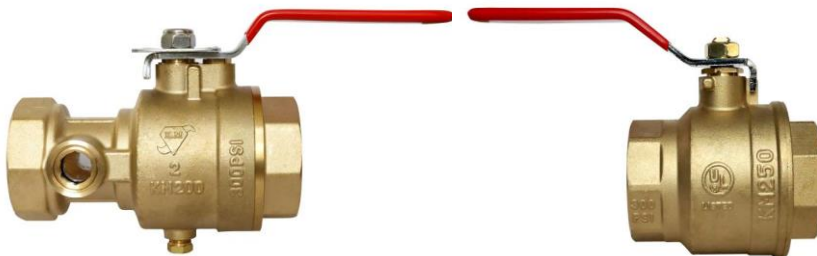


KIR

KIRMARY PRODUCTS



KIRMARY International L.L.C.

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KIRMARY BRAND PRODUCTS



KIRMARY Brand Products



Flanged OS&Y Gate Valve KM800 	Grooved OS&Y Gate Valve KM850 	Flanged Check Valve KM900 
Grooved Check Valve KM950 	NRS Gate Valve 	Grooved Butterfly Valve with Tamper Switch 
Wafer Butterfly Valve with Tamper Switch 	Hose Valve KM300 	Fire Department Connection KM100 
Test & Drain Valve KM200 	Ball Valve KM250 	3- Way Valve KM150 
Gate Valve KM10 	Check Valve KM700 	Balancing Valve 
Y Strainer Valve KM20 	Accessories KM650 KM500 KM400 	FIRE HOSE KM350 

E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com

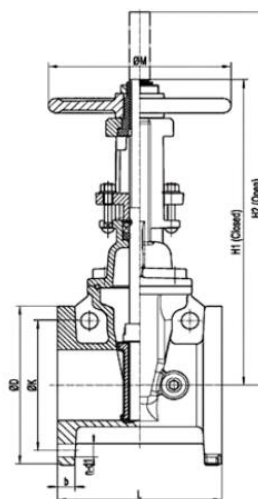
1	Technical data sheets
2	UL/FM/WRAS Certificates
3	Test Certificates
4	Civil Defence Approval
5	Consultants Approvals

Technical data sheets

Flanged Resilient Seated OS&Y Gate Valve

KIRMARY BRAND

Model No. KM800



Technical data

- Size: 2"~12"
- Working pressure: 300psi
- Design standard: AWWA C515
- Face to face: ASME B16.10
- Flange standard: ASME-B16.1 CLASS125
- Tests: AWWA C515
- Temperature range: 0~80°C

SIZE Inch	OUTLINE (Inch)				END FLANGE CLASS125 (Inch)			
	L	H 1	H2	M	D	K	n-d1	b
2	7	13.46	15.67	7	6.00	4.75	4-0.75	0.62
2 1/2	7.5	13.11	15.79	7	7.00	5.50	4-0.75	0.69
3	8	14.89	18.23	7	7.50	6.00	4-0.75	0.75
4	9	17.46	21.63	10	9.00	7.50	8-0.75	0.94
5	10	20.39	25.63	10	10.00	8.50	8-0.88	0.94
6	10.5	23.29	29.59	12	11.00	9.50	8-0.88	1.00
8	11.5	28.78	37.01	14	13.50	11.75	8-0.88	1.12
10	13	35.04	45.28	16	16.00	14.25	12-1.00	1.19
12	14	40.61	52.78	16	19.00	17.00	12-1.00	1.25

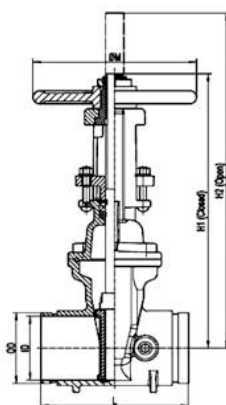
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info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com

Grooved Resilient Seated OS&Y Gate Valve

KIRMARY BRAND

Model No. KM850



Name of parts	Material
Body	Ductile iron
Wedge	Ductile iron+EPDM
Stem nut	Bronze
Stem	SS431 or SS304,SS316,bronze
Bonnet	Ductile iron
Bonnet Gasket	EPDM
Sealing Ring	EPDM
Yoke	Ductile iron
Sliding disc	Bronze
Screw	Carbon steel with hot galvanization
O-rings	EPDM
Handwheel	Ductile iron

Technical data

- Size: 2"~12"
- Working pressure: 362psi
- Valve standard: AWWA C515
- Grooved standard: AWWA C606
- Temperature range: 0~80°C

SIZE Inch	OUTLINE (Inch)				END GROOVED (Inch)	
	L	H 1	H2	M	OD	ID
2	7	13.46	15.67	7	2.37	2.09
2.5	7.5	13.11	15.79	7	2.87	2.48
3	8	14.89	18.23	7	3.50	3.07
4	9	17.46	21.63	10	4.50	4.06
5	10	20.39	25.63	10	5.56	5.04
6	10.5	23.29	29.59	12	6.63	6.10
8	11.5	28.78	37.01	14	8.63	8.03
10	13	35.04	45.28	16	10.75	10.04
12	14	40.61	52.78	16	12.75	11.97

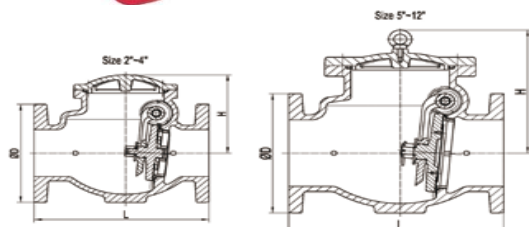
E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com

Flanged Swing Check Valve

KIRMARY BRAND

Model No. KM900



Name of parts	Material
Body	Ductile iron
Seat Ring	Bronze
Disc Sealing Ring	EPDM
Disc plate	SS304
Disc	Ductile iron
Clapper Arm	Ductile iron
Bonnet Gasket	EPDM
Bonnet	Ductile iron
Hinge Pin	SS304
Hinge Bushing	Bronze
Hinge Plug	SS304

Technical data

- Size: 2" ~ 12"
- Working pressure: 300psi
- Valve standard: AWWA C508
- Flange standard: ASME-B16.1 Class125
- Temperature range: 0~80°C

Dimensions		Pressure rating	Size (mm)		
DN	inch	psi	ΦD	L	H
50	2	300	152	203	125
65	2.5	300	178	254	139
80	3	300	191	279	153
100	4	300	229	330	184
125	5	300	254	356	275
150	6	300	279	406	289
200	8	300	343	496	352
250	10	300	406	559	411
300	12	300	483	660	480

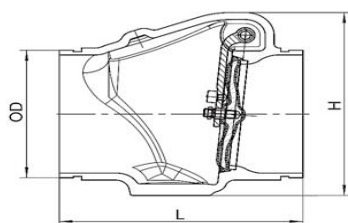
E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com

Grooved Swing Check Valve

KIRMARY BRAND

Model No. KM950



Name of parts	Material
Body	Ductile iron
Seat Ring	Bronze
Disc Sealing Ring	EPDM
Disc plate	SS304
Disc	Ductile iron
Clapper Arm	Ductile iron
Bonnet Gasket	EPDM
Bonnet	Ductile iron
Hinge Pin	SS304
Hinge Bushing	Bronze
Hinge Plug	SS304

Technical data

- Size: 2" ~ 12"
- Working pressure: 365psi
- Grooved standard: AWWA C606
- Temperature range: 0~80°C

Dimensions		Pressure rating	Size(mm)		
DN	inch	psi	OD	L	H
50	2	365	60.3	167	122.5
65	2.5	365	73	180	136.5
			76.1		
80	3	365	88.9	198	165.5
100	4	365	114.3	229	193.5
125	5	365	139.7	254	235.5
			141.3		
150	6	365	165.1	272	252
			168.3		
200	8	365	219.1	330	314.5
250	10	362	273.1	435	395
300	12	362	323.9	510	460

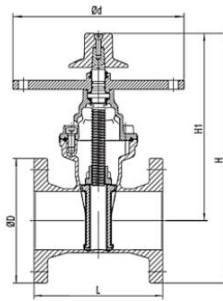
E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com

Flanged Resilient Seated NRS Gate Valve with Indicator Post

KIRMARY BRAND

Model No. KM104



Name of parts	Material
Body	Ductile iron
Wedge	Ductile iron+EPDM
Stem Nut	Bronze
Stem	SS431 or SS304, SS316, bronze
Bonnet	Ductile iron
Bonnet Gasket	EPDM
Sealing Ring	EPDM
Indicator Post Flange	Ductile iron
Sliding disc	Bronze
Screw	Carbon steel with hot galvanization
O-rings	EPDM
Wrench Nut	Ductile iron

Technical data >

- Size: 2" ~ 12"
- Working pressure: 175psi, 300psi
- Flange standard: ASME-B16.1 Class125
- Temperature range: 0 ~ 80°C

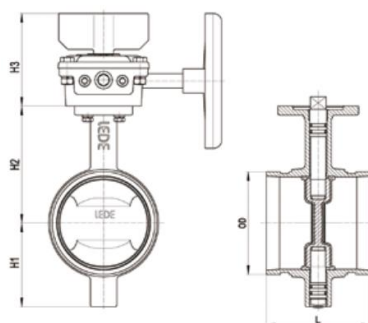
Dimensions		Pressure rating	Size(mm)				
DN	inch		Φ D	L	H1	H	Φ d
100	4	175	229	229	332.5	449	305
		300					
125	5	175	254	254	385	512	305
		300					
150	6	175	279	267	432.5	572	305
		300					
200	8	175	343	292	527	698.5	305
		300					
250	10	175	406	330	645	848	305
		300					
300	12	175	483	356	722	963.5	305
		300					

E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com

Grooved Butterfly Valve with Tamper Switch

KIRMARY BRAND



Name of parts	Material
Body	Ductile iron
Plug	EPDM
Driven shaft	1Cr17Ni2
Disc	Ductile iron and EPDM
Actuating shaft	1Cr17Ni2
Bearing bush	Bronze
O-rings	EPDM
Gear operator	Ductile iron and steel

Technical data

- Size: DN50~DN200
- Working pressure: DN50~DN150 362psi, DN200 232psi
- Valve standard: MSS SP-67
- Grooved standard: AWWA C606
- Top Flange standard: EN ISO 5211
- Temperature range: 0~80°C
- Suitable for indoor and outdoor use

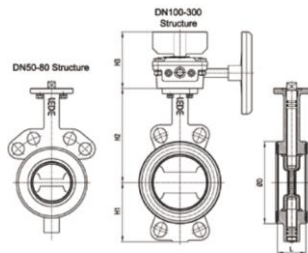
Dimensions		Pressure rating	Size(mm)					
DN	inch		OD	L	H1	H2	H3	Top Flange
50	2	362	60.3	81	56	91	103	F05
65	2.5	362	73	96.8	68	104	103	F05
			76.1					
80	3	362	88.9	96.8	75	111	103	F07
100	4	362	114.3	115.8	93	130	103	F07
125	5	362	139.7	147.6	111	153	103	F07
			141.3		111	153		
150	6	362	165.1	147.6	123	165	103	F07
			168.3		123	165		
200	8	232	219.1	133.4	160	194	109	F07

E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com

Wafer Butterfly Valve with Tamper Switch

KIRMARY BRAND



Name of parts	Material
Body	Ductile iron
Plug	EPDM
Driven shaft	1Cr17Ni2
Disc	Ductile iron and EPDM
Actuating shaft	1Cr17Ni2
Bearing bush	Bronze
O-rings	EPDM
Gear operator	Ductile iron and steel

Technical data

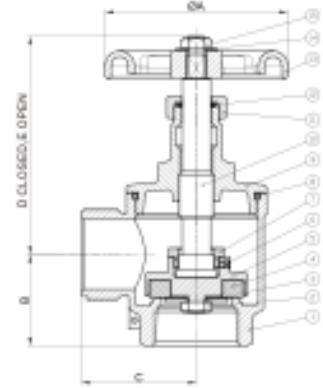
- Size: DN50~DN300
- Working pressure: PN16/PN25
- Valve standard: EN593
- Flange standard: ASME-B16.1 Class 125 and EN1092-2
- Top Flange standard: EN ISO 5211
- Temperature range: 0~80 °C
- Suitable for indoor and outdoor use

Dimensions		Pressure rating	Size(mm)					
DN	inch	psi	ΦD	L	H1	H2	H3	Top Flange
50	2	362	91	43	70	125	103	F05
65	2.5	362	108	46	76	143.5	103	F05
80	3	362	124	46	94	151	103	F05
100	4	362	150	52	108	172	103	F07
125	5	362	178	56	127	190	103	F07
150	6	362	205	56	139	202	103	F07
200	8	232	260	60	175	235	103	F07
250	10	232	313	68	210	265	109	F10
300	12	232	364	78	238	285	109	F10

E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com

HOSE VALVE



KIRMARY

Model No. KM300

ANGLE HOSE VALVE

300lb. RATED

Used with a Fire Hose Rack Assembly

Or as a Fire Dept. outlet connection

FEMALE x MALE

Standard equipment:

Female NPT inlet x male hose thread

Outlet forge brass valve

Red hand wheel.

Optional Finishes:

PB-Polished Brass

RC-Rough Chrome Plated

PC-Polished Chrome Plated



Thread :

2 ½" FNPT x MNST

MBCT

MONT

MPHX

MQST

MCLV

MTEM

NYFD

1 ½" FNPT x MNST

MNPSH

	A	B	C	D	E
1 ½ X 1 ½	100	50	63	119	145
1 ½ X 2 ½	127	68	79	157	200

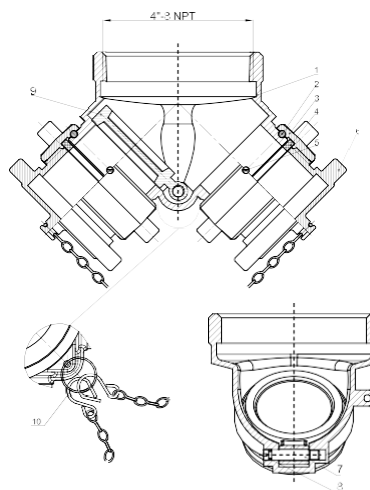
NO	DESCRIPTION	MATERIALS	NO	DESCRIPTION	MATERIALS
1	BODY	ASTM B283 C37700	9	BONNET	ASTM B283 C37700
2	NUT	ASTM B283 C37700	10	STEM	ASTM B283 C37700
3	WASHER	304	11	LOCK NUT	ASTM B283 C37700
4	SEAT SEAL	EPDM (A70)	12	O-RING	EPDM (A70)
5	HOLDER	ASTM B283 C37700	13	HANDLE WHEEL	ZL 102
6	SET SCREW	304	14	WHEEL WASHER	304
7	LOCK NUT	ASTM B283 C37700	15	WHEEL NUT	ASTM B283 C37700
8	O-RING	EPDM (A70)			

E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com



FIRE DEPARTMENT CONNECTION



KIRMARY

Model No. KM100

Fire Department Connection

Straight Body, with caps & chain and plate

Rated to 300PSI

Size: 4"x2-1/2"x2-1/2"

UL listed and FM approved

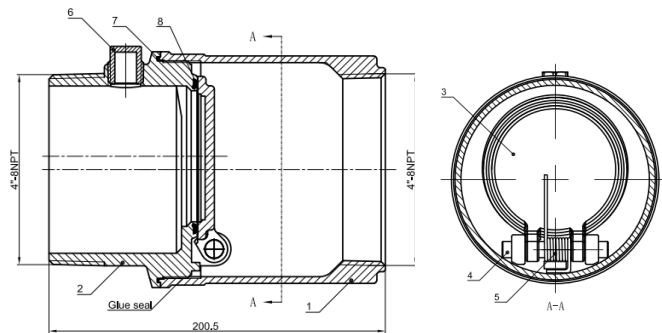


NO	DESCRIPTION	MATERIALS	NO	DESCRIPTION	MATERIALS
1	BODY	C37700	8	O-RING	EPDM (A70±5)
2	BALL BEARING	SST304	9	CLAPPER	C37700
3	COUPLING	C37700	10	KEY-RING	SST304/(copper coating)
4	WASHER	EPDM (A70+5)			
5	SCREWN	C46500/SST304			
6	BRASS CAP+CHAIN	C37700+BRASS/Q235A (copper coating)			
7	HINGE PIN	C37700			

E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com

BRASS CHECK VALVE



KIRMARY

KM600

BRASS CHECK VALVE 4"

WORKING PRESSURE 250 PSI

ITEM	NAME	MATERIAL
1	Body	037700
2	Bonnet	037700
3	Baffle	037700
4	Pin	037700
5	Spring	S304
6	Plug	C37700
7	O-RING	NBR
8	O-RING	NBR

E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com

TEST AND DRAIN VALVE



KIRMARY

Model No. KM200

TEST AND DRAIN VALVE

Features

Working Pressure: 300 PSI

Size: 1", 1-1/4", 1-1/2", 2"

K-Factor: 5.6

Certificated Size: Positive positioning of handle for OFF, TEST, or DRAIN.

Large, integral sight glass on both sides.

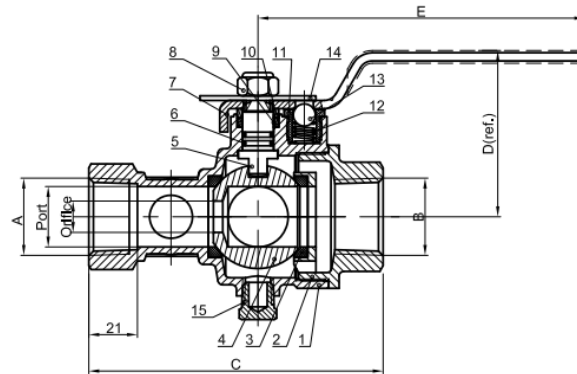
UL listed and FM approved

Dimension Table

A/B	Orifice	Port	C	D(ref.)	E	H
NPT 1"	1/2(0.512)	1.024	5	2.76	5.16	1.65
NPT 1-1/4"	1/2(0.528)	1.024	5	2.76	5.16	1.65
NPT 1-1/2"	1/2(0.524)	1.575	6.57	3.5	6.34	2.28
NPT 2"	1/2(0.524)	1.575	6.57	3.5	6.34	2.28

Material Description

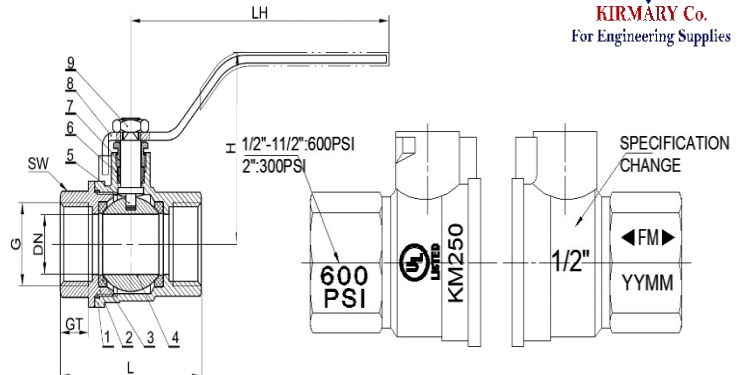
Item	Name	Material	Item	Name	Material
1.	Body	C37700	2.	Cap	C37700
3.	Seal	PTFE	4.	Ball	C37700
5.	Stem	C37700	6.	O-Ring	NBR
7.	Lever	Steel	8.	Nut	Steel
9.	Gland Packing	PTFE	10.	Gland Ring	C37700
11.	Gland Nut	C37700	12.	Spring	304
13.	Steel Ball	304	14.	Indicator Plate	Steel
15.	Plug	C37700	16.	Washer	NBR
17.	Sight Glass	Lexan	18.	Retaining Ring	C37700



E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com

BALL VALVE



KIRMARY

Model No. KM250

BALL VALVE

Sizes: 1/2" 3/4" 1" 1 1/4" 1 1/2" 2"

Working pressure

1/2"-1 1/2" 600PSI

2" 300PSI

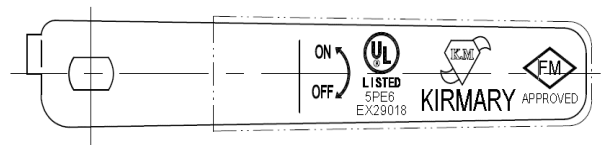
UL listed and FM approved

1.Dimension

G	DN	L	H	SW	Gt	LH
NPT 1/2"-14	14.5	57	51.5	25	15.5	89
NPT 3/4"-14	19.5	63	61	31	16	104
NPT 1"-11.5	24.5	75.5	63.5	38	19	117.5
NPT 1 1/4"-11.5	32	86.5	70	47	19.5	117.5
NPT 1 1/2"-11.5	40	94.2	94	53	19.5	145
NPT 2"-11.5	50	108	102	65	20	145

2.Material

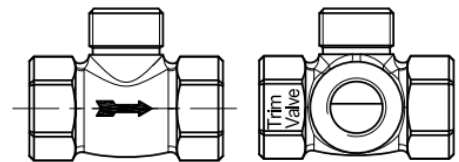
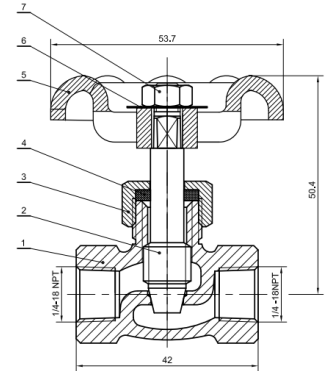
NO	Part	Material	NO	Part	Material
1	Body	C37700	2	Bonnet	C37700
3	Seal	PTFE	4	Ball	C37700
5	Stem	HPb59-1	6	Stem Packing	PTFE
7	Gland Nut	C37700	8	Handle	Steel
9	Handle Nut	Steel			



E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com

BRONZE 3-WAY GLOBAL VALVE



KIRMARY

Model No. KM150

Bronze 3-way Global valve

Female NPT x Female NPT

Rated to 600 PSI

Size: 1/4

UL listed



E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com



ACCESSORIES



KIRMARY

KM650

BRASS COUPLING MALE FOR
ANGLE HOSE VALE
SIZE: 2 ½"



KIRMARY

KM500

PLATE FOR FIRE DEPARTMENT
CONNECTION



KIRMARY

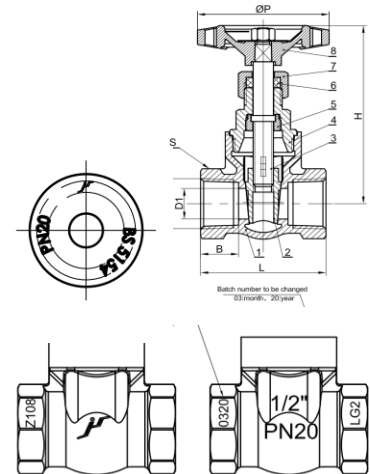
KM400

BRASS COUPLING FOR
FIRE DEPARTMENT CONNECTION
SIZE: 2 ½"

E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com

GATE VALVE



KIRMARY

Model No. KM10

GATE VALVE

WRAS APPROVED

CODE	DESCRIPTION	MATERIAL
1	BODY	C83600
2	WEDGE	C83600
3	STEM	CW602N
4	BONNET	C83600
5	STEM NUT	C37700
6	PACKING GLAND	PTFE
7	COMPRESSION NUT	C37700
8	HANDWHEEL	ALL

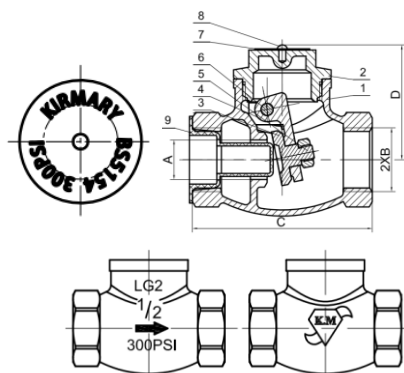
DN	L	H	D1 (Ø)	Ø P	A	B	S	WT
½	49.5	73.9	12.7	56	RC ½	15	27	271
¾	53.5	88.3	19.1	68.5	RC ¾	16.5	34	398
1	62	111.3	25.4	75	RC1	18	40	563
1 ¼	70	117.9	31.8	80	RC 1 ¼	20	50	856
1 ½	77	136.5	38.2	93	RC 1 ½	21.5	58	1260
2	87	166.5	50.9	100	RC 2	26	70	1886

E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com



BRONZE CHECK VALVE



KIRMARY

KM700

BRONZE CHECK VALVE

Sizes: 1/2"- 3/4"- 1"- 1 1/4"- 1 1/2"- 2"

Designed to BS 5154

Pressure Rating: 300Psi

Working Medium: Water, Oil, Steam

Horizontal Swing Pattern • Threaded Cover

Suitable for mounting in horizontal and vertical pipe
(with vertical flow upwards)

NPT Thread

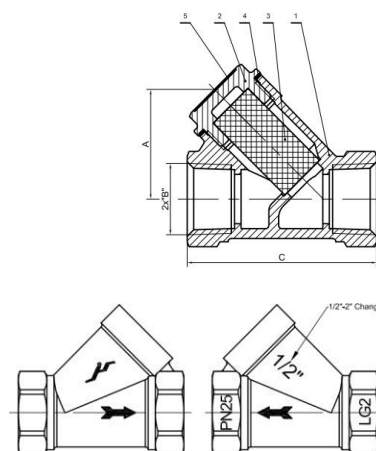
CODE	DESCRIPTION	MATERIAL
1	BODY	C83600
2	CAP	C83600
3	SWING CHECK	C83600
4	STEM	C37700
5	SCREW	HPb59-1
6	STOP PEN	S304
7	NAME PLATE	AL
8	BOLT	S304
9	PROTECTIVE COVER	PP

BRONZE CHECK VALVE				
DN	A	B	C	D
Y2	13	1/2-14NPT	59	37
%	18	3/4-NPT	66	44
1	25	1-11.5NPT	76	50
1X4	32	1 1/4-1.1.5NPT	88	58
1M	42	1 1/2-11.5NPT	92	63
2	40	2.11.5NPT	112	72

E-mail: sales@kirmar.com
info@kirmar.com
kirmar@kirmar.com

website: www.kirmar.com

STRAINER



Model No.KM20

STRAINER

PN20

Size: ½ - ¾ - 1 – 1 ¼ - 1 ½ - 2

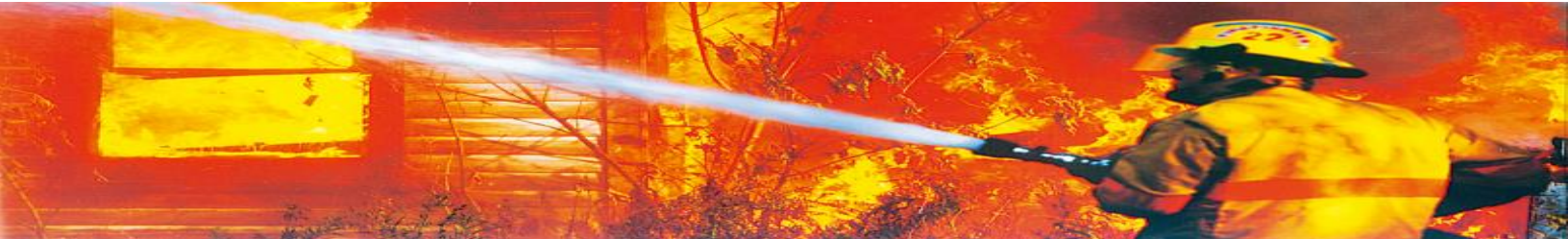
WRAS APPROVED

CODE	DESCRIPTION	MATERIAL
1	BODY	CC491K
2	BONNET	CC491K
3	FILTER SCREEN	304
4	SHIM	PTFE
5	FAMOUS BRAND	ALUMINUM

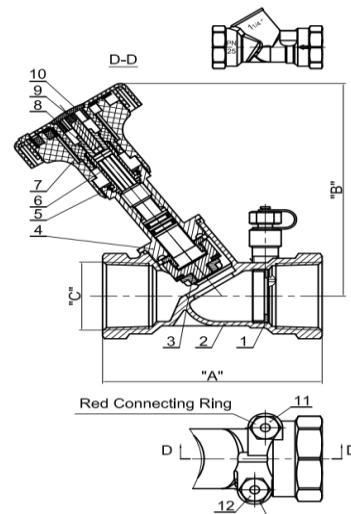
DN	A	B	C	WEIGHT(g)
½	33	Rc ½	58	200
¾	41	Rc ¾	70	295
1	49	Rc 1	88	419
1 ¼	56	Rc 1 ¼	96	679
1 ½	62	Rc 1 ½	107	979
2	80	Rc 2	126	1503

E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com



BALANCING VALVE



KIRMARY

BALANCING VALVE

PN25

Size: ½ - ¾ - 1 - 1 ¼ - 1 ½ - 2

WRAS APPROVED

CODE	DESCRIPTION	MATERIAL
1	BODY	C83600
2	Retaining Ring	CW602N
3	Stem Assembly	/
4	Bonnet	CW602N
5	Circlip	304
6	Connecting Rod	CW602N
7	Handwheel Assembly	PA66+30GF
8	Connecting Screw	CW602N
9	Internal Hexagonal Screw	304
10	Stuffy Cover	ABS
11	Exhaust Nozzle	/
12	Exhaust Nozzle	/

DN	A	B	C	WEIGHT(g)	Working Pressure	Working Temperature	Design Standard
½	87.0	108.4	Rc ½	559	PN25	-10° C to 85°C	BS 7350:1990
¾	96.0	110.4	Rc ¾	630			
1	100	113	Rc 1	875			
1 ¼	114	133.5	Rc 1 ¼	1049			
1 ½	125	146.7	Rc 1 ½	1455			
2	146	149	Rc 2	2083			

E-mail: sales@kirmar.com
info@kirmar.com
kirmar@kirmar.com

website: www.kirmar.com



OSYSU-1, -2

OUTSIDE SCREW AND YOKE VALVE SUPERVISORY SWITCH

Potter Electric Signal Company
2081 Craig Road • St. Louis, MO 63146-4161
(314) 878-4321 • (800) 325-3936
www.pottersignal.com

Potter Electric Signal & Mfg., LTD.
55 Glen Cameron Road
Thornhill, Ontario, Canada L3T 1P2
(905) 882-1833



OSYSU-1 Stock No. 1010106
OSYSU-2 Stock No. 1010206

UL and CSFM LISTED, FM APPROVED and NYMEA ACCEPTED

Dimensions: 6.19"L X 2.25"W X 5.88"H
15.7cm L X 5.7cm W X 14.6cm H

Weight: 2 lbs (.9 kg)

Enclosure: Cover - Die-Cast
Finish - Red Spatter Enamel
Base - Die Cast Zinc
All parts have corrosion resistant finishes

Cover Tamper: Tamper resistant screws,
Optional cover tamper kit available.

Contact Ratings:

OSYSU-1: One set of SPDT (Form C)
OSYSU-2: Two sets of SPDT (Form C)
15.00 Amps at 125/250VAC
2.50 Amps at 30VDC resistive

Environmental Limitations:

-40°F to 140°F (-40°C to 60°C)
NEMA 4 and NEMA 6P Enclosure (IP67)
Indoor or outdoor use (Not for use in hazardous
locations. See Bulletin No. 5400705 OSYS-U-EX
for hazardous locations).

Conduit Entrances:

2 knockouts for 1/2" conduit provided

Service Use:

Automatic Sprinkler	NFPA-13
One or two family dwelling	NFPA-13D
Residential occupancy up to four stories	NFPA-13R
National Fire Alarm Code	NFPA-72

GENERAL INFORMATION

The OSYSU is used to monitor the open position of an OS & Y (outside screw and yoke) type gate valve. This device is available in two models; the OSYSU-1, containing one set of SPDT (Form C) contacts and the OSYSU-2, containing two sets of SPDT (Form C) contacts. These switches mount conveniently to most OS & Y valves ranging in size from 2" to 12". They will mount on some valves as small as 1/2".

The cover is held in place by two tamper resistant screws that require a special tool to remove. The tool is furnished with each device and should be left with the building owner or responsible party. Replacement or

additional cover screws and hex keys are available. See ordering information on page 4.

OPTIONAL COVER TAMPER SWITCH

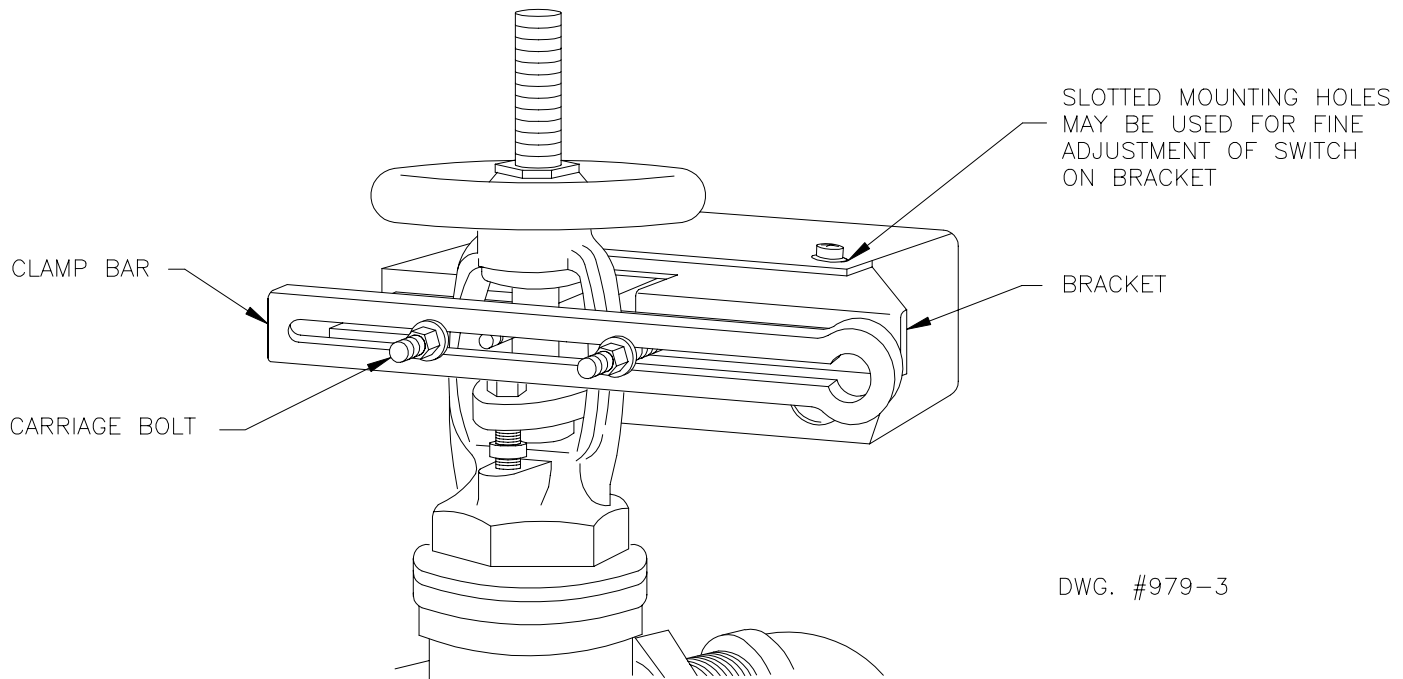
A field installable cover tamper switch is available as an option which may be used to indicate removal of the cover. See ordering information on page 4.

TESTING

The OSYSU and its associated protective monitoring system should be inspected and tested in accordance with applicable NFPA codes and standards and/or the authority having jurisdiction (manufacturer recommends quarterly or more frequently).

FIG. 1 SMALL VALVE INSTALLATION - 1/2" THRU 2 1/2" SIZES

THESE SWITCHES MOUNT CONVENIENTLY TO MOST 2" TO 12" OS & Y VALVES. THEY WILL MOUNT ON SOME VALVES AS SMALL AS 1/2". J-HOOKS MAY BE REQUIRED ON VALVES WITH LIMITED CLEARANCE.



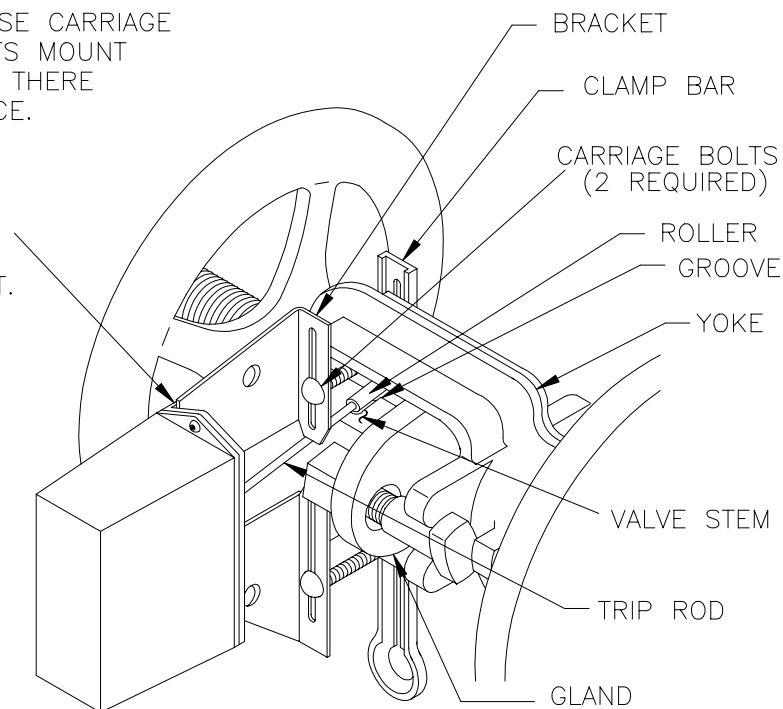
SMALL VALVE INSTALLATION

1. Remove and discard "C" washer and roller from the trip rod.
 2. With the valve in the FULL OPEN position, locate the OSYSU across the valve yoke as far as possible from the valve gland, so that the trip rod lays against the non-threaded portion of the valve stem.
 3. Loosen the locking screw that holds the trip rod in place and adjust the rod length (see Fig. 4). When adjusted properly, the rod should extend past the valve screw, but not so far that it contacts the clamp bar. Tighten the locking screw to hold the trip rod in place.
NOTE: If trip rod length is excessive, loosen the locking screw and remove the trip rod from the trip lever. Using pliers, break off the one (1) inch long notched section (see Fig. 5). Reinstall trip rod and repeat Step 3 procedure.
 4. Mount the OSYSU loosely with the carriage bolts and clamp bar supplied. On valves with limited clearance use J-hooks supplied instead of the carriage bolts and clamp bar to mount the OSYSU.
 5. Mark the valve stem at the center of the trip rod.
 6. Remove the OSYSU. File a 1/8" deep groove centered on the mark on the valve stem utilizing a 3/16" diameter straight file. Round and smooth the edges of the groove to prevent damage to the valve packing and to allow the trip rod to move easily in and out of the groove as the valve is operated.
 7. Mount the OSYSU with the trip rod centered in groove.
 8. Final adjustment is made by loosening 2 screws (see Fig. 1) and sliding the OSYSU on the bracket. Adjustment is correct when switches are not activated with the trip rod seated in the valve stem groove and that the switches activate when the trip rod moves out of the groove.
 9. Tighten the adjustment screws and all mounting hardware. Check to insure that the rod moves out of the groove easily and that the switches activate within one turn when the valve is operated from the FULL OPEN towards the CLOSED position.
- NOTE:** CLOSE THE VALVE FULLY TO DETERMINE THAT THE STEM THREADS DO NOT ACTIVATE THE SWITCH. THE SWITCH BEING ACTIVATED BY THE STEM THREADS COULD RESULT IN A **FALSE VALVE OPEN** INDICATION.

FIG. 2 LARGE VALVE INSTALLATION - 3" THRU 12" SIZES

3" THRU 12" VALVES USE CARRIAGE BOLTS. CARRIAGE BOLTS MOUNT ON INSIDE OF YOKE, IF THERE IS SUFFICIENT CLEARANCE.

SLOTTED MOUNTING HOLES. MAY BE USED FOR FINE ADJUSTMENT OF SWITCH ON BRACKET.



DWG. #979-4

LARGE VALVE INSTALLATION

1. With the valve in the FULL OPEN position, locate the OSYSU across the valve yoke as far as possible from the valve gland, so that the trip rod lays against the non-threaded portion of the valve stem.
 2. Mount the OSYSU loosely with the carriage bolts and clamp bar supplied.
 3. Loosen the locking screw that holds the trip rod in place and adjust the rod length (see Fig. 4). When adjusted properly, the rod should extend past the valve screw, but not so far that it contacts the clamp bar. Tighten the locking screw to hold the trip rod in place.
- NOTE:** If trip rod length is excessive, loosen the locking screw and remove the trip rod from the trip lever. Using pliers, break off the one (1) inch long notched section (see Fig. 5). Reinstall trip rod and repeat Step 3 procedure.
4. Mark the valve stem at the center of the trip rod.
 5. Remove the OSYSU. File a 1/8" deep groove centered on the mark of the valve stem utilizing a 3/8" diameter straight file. Round and smooth the edges of the groove to prevent

damage to the valve packing and to allow the trip rod to move easily in and out of the groove as the valve is operated.

6. Mount the OSYSU loosely with the trip rod centered in groove.
7. Final adjustment is made by loosening 2 screws (see Fig. 2) and sliding the OSYSU on the bracket. Adjustment is correct when switches are not activated with the trip rod seated in the valve stem groove and that the switches activate within one turn when the valve is operated from the FULL OPEN towards the CLOSED position.
8. Tighten the adjustment screws and mounting hardware. Check to insure that the rod moves out of the groove easily and that the switches activate within one turn when the valve is operated from the FULL OPEN towards the CLOSED position.

NOTE: CLOSE THE VALVE FULLY TO DETERMINE THAT THE STEM THREADS DO NOT ACTIVATE THE SWITCH. THE SWITCH BEING ACTIVATED BY THE STEM THREADS COULD RESULT IN A **FALSE VALVE OPEN** INDICATION.

FIG. 3 DIMENSIONS

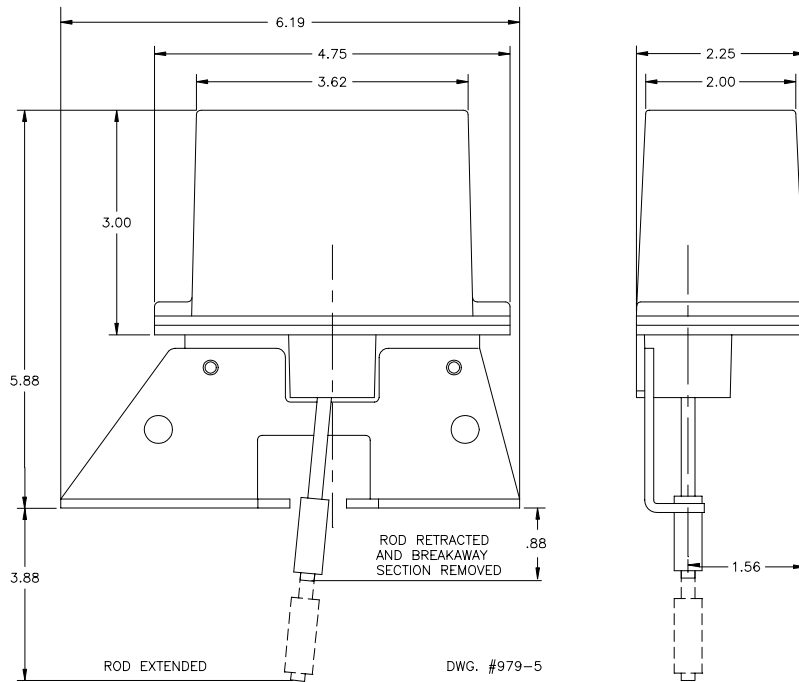
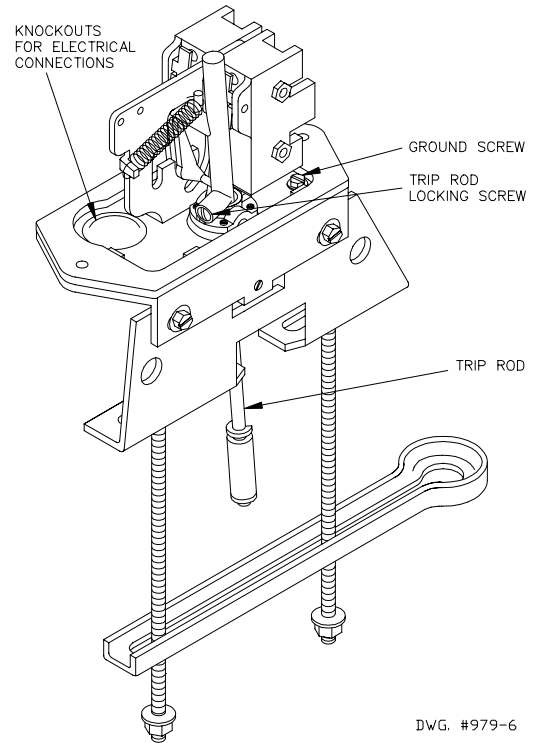
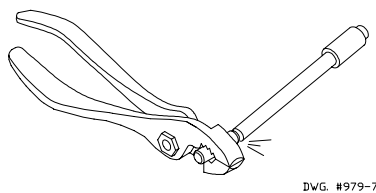


FIG. 4 PARTS

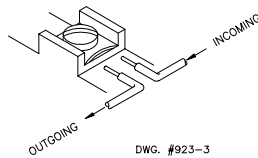


BREAKING EXCESSIVE ROD LENGTH

FIG. 5

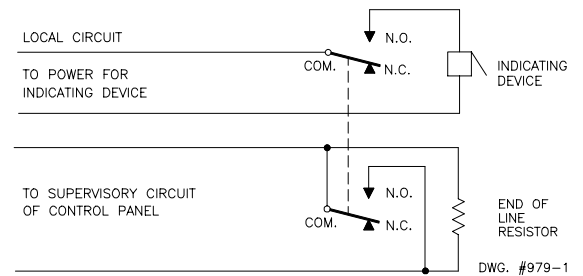


SWITCH TERMINAL CONNECTIONS CLAMPING PLATE TERMINAL



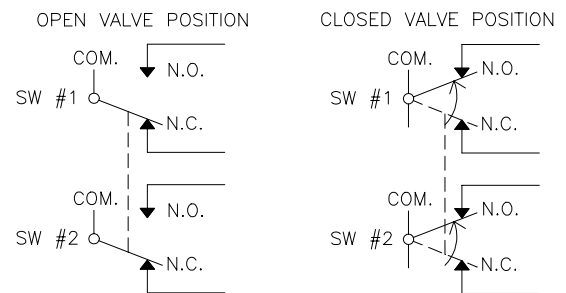
CAUTION:
An uninsulated section of a single conductor should not be looped around the terminal and serve as two separate connections. The wire must be severed, thereby providing supervision of the connection in the event that the wire becomes dislodged from under the terminal.

TYPICAL ELECTRICAL CONNECTIONS



Contacts shown in normal (valve open) condition.

TYPICAL SWITCH ACTION



DWG. #979-2

ORDERING INFORMATION

MODEL	DESCRIPTION	STOCK NO.
OSYSU-1	Outside Screw & Yoke-Supervisory Switch (Single switch)	1010106
OSYSU-2	Outside Screw & Yoke-Supervisory Switch (Double switch)	1010206
--	Cover Screw	5490293
--	Hex Key for Cover Screws and Installation Adjustments	5250062
--	Optional Cover Tamper Switch Kit	0090131

For pressure reducer type valve installation kits (if required) contact valve manufacturer.



Specifications subject to change without notice.

Ordering Information			
Nominal Pipe Size		Model	Part Number
2"	DN50	VSR-2	1144402
2 1/2"	DN65	VSR-2 1/2	1144425
3"	DN80	VSR-3	1144403
3 1/2"	-	VSR-3 1/2	1144435
4"	DN100	VSR-4	1144404
5"	-	VSR-5	1144405
6"	DN150	VSR-6	1144406
8"	DN200	VSR-8	1144408

Optional: Cover Tamper Switch Kit, stock no. 0090148

Replaceable Components: Retard/Switch Assembly, stock no. 1029030

UL, CUL and CSFM Listed, FM Approved, LPCB Approved, For CE Marked (EN12259-5) / VdS Approved model use VSR-EU

Service Pressure: 450 PSI (31 BAR) - UL

Flow Sensitivity Range for Signal:

4-10 GPM (15-38 LPM) - UL

Maximum Surge: 18 FPS (5.5 m/s)

Contact Ratings: Two sets of SPDT (Form C)
10.0 Amps at 125/250VAC
2.0 Amps at 30VDC Resistive
10 mAmps min. at 24VDC

Conduit Entrances: Two knockouts provided for 1/2" conduit.
Individual switch compartments suitable for dissimilar voltages.

Environmental Specifications:

- NEMA 4/IP54 Rated Enclosure suitable for indoor or outdoor use with factory installed gasket and die-cast housing when used with appropriate conduit fitting.
- Temperature Range: 40°F - 120°F, (4.5°C - 49°C) - UL
- Non-corrosive sleeve factory installed in saddle.

Service Use:

Automatic Sprinkler	NFPA-13
One or two family dwelling	NFPA-13D
Residential occupancy up to four stories	NFPA-13R
National Fire Alarm Code	NFPA-72

WARNING

- Installation must be performed by qualified personnel and in accordance with all national and local codes and ordinances.
- Shock hazard. Disconnect power source before servicing. Serious injury or death could result.
- Risk of explosion. Not for use in hazardous locations. Serious injury or death could result.

CAUTION

Waterflow switches that are monitoring wet pipe sprinkler systems shall not be used as the sole initiating device to discharge AFFF, deluge, or chemical suppression systems. Waterflow switches used for this application may result in unintended discharges caused by surges, trapped air, or short retard times.

Important: This document contains important information on the installation and operation of the VSR waterflow switches. Please read all instructions carefully before beginning installation. A copy of this document is required by NFPA 72 to be maintained on site.

General Information

The Model VSR is a vane type waterflow switch for use on wet sprinkler systems. It is UL Listed for use on a steel pipe; schedules 5 through 40, sizes 2" - 6" and is UL Listed and FM Approved for use on steel pipe; schedules 10 through 40, sizes 2" thru 8" (50 mm thru 200 mm). LPC approved sizes are 2" thru 8" (50 mm thru 200 mm). See Ordering Information chart.

The VSR may also be used as a sectional waterflow detector on large systems. The VSR contains two single pole, double throw, snap action switches and an adjustable, instantly recycling pneumatic retard. The switches are actuated when a flow of 10 GPM (38 LPM) or more occurs downstream of the device. The flow condition must exist for a period of time necessary to overcome the selected retard period.

Enclosure

The VSR switches and retard device are enclosed in a general purpose, die-cast housing. The cover is held in place with two tamper resistant screws which require a special key for removal. A field installable cover tamper switch is available as an option which may be used to indicate unauthorized removal of the cover. See bulletin number 5401103 for installation instructions of this switch.

Potter Electric Signal Company, LLC • St. Louis, MO • Phone: 866-956-1211/Canada 888-882-1833 • www.pottersignal.com

Installation (see Fig. 1)

These devices may be mounted on horizontal or vertical pipe. On horizontal pipe they shall be installed on the top side of the pipe where they will be accessible. The device should not be installed within 6" (15 cm) of a fitting which changes the direction of the waterflow or within 24" (60 cm) of a valve or drain.

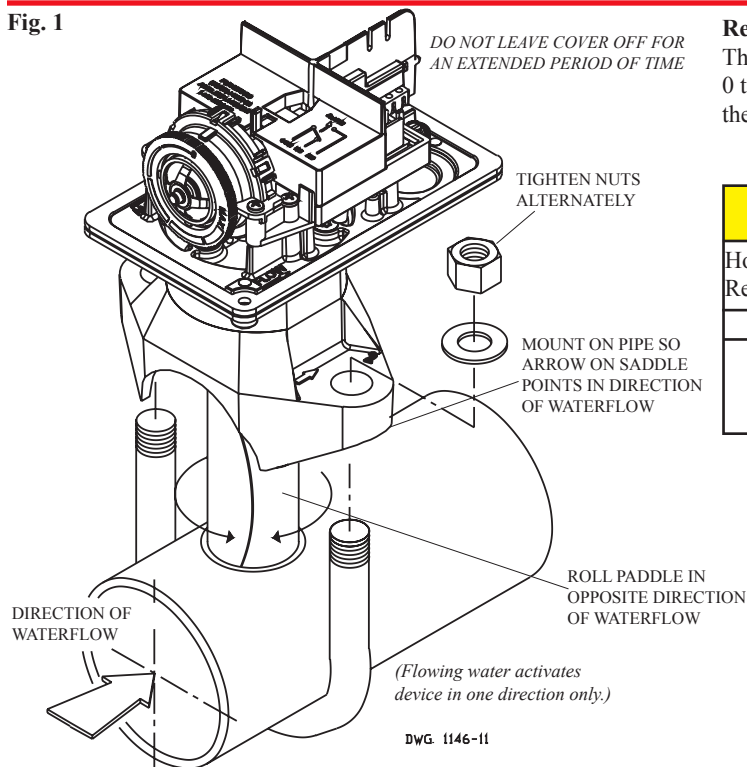
NOTE: Do not leave cover off for an extended period of time.

Drain the system and drill a hole in the pipe using a hole saw in a slow speed drill (see Fig. 1). Clean the inside pipe of all growth or other material for a distance equal to the pipe diameter on either side of the hole. Roll the vane so that it may be inserted into the hole; do not bend or crease it. Insert the vane so that the arrow on the saddle points in the direction of the waterflow. Take care not to damage the non-corrosive bushing in the saddle. The bushing should fit inside the hole in the pipe. Install the saddle strap and tighten nuts alternately to required torque (see the chart in Fig. 1). The vane must not rub the inside of the pipe or bind in any way.

CAUTION

Do not trim the paddle. Failure to follow these instructions may prevent the device from operating and will void the warranty. Do not obstruct or otherwise prevent the trip stem of the flow switch from moving when water flows as this could damage the flow switch and prevent an alarm. If an alarm is not desired, a qualified technician should disable the alarm system.

Fig. 1

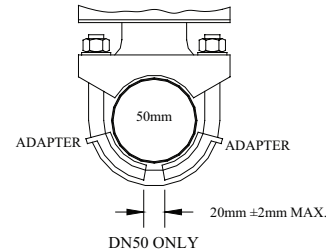
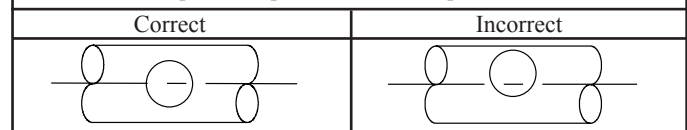


Retard Adjustment

The delay can be adjusted by rotating the retard adjustment knob from 0 to the max setting (60-90 seconds). The time delay should be set at the minimum required to prevent false alarms

CAUTION

Hole must be drilled perpendicular to the pipe and vertically centered. Refer to the Compatible Pipe/Installation Requirements chart for size.



USE (2) 5180162 ADAPTERS AS SHOWN ABOVE

DWG# 1146-1F

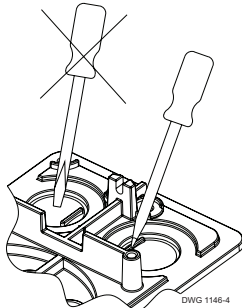
Compatible Pipe/ Installation Requirements

Compatible Pipe/ Installation Requirements																		
Model	Nominal Pipe Size		Nominal Pipe O.D.		Pipe Wall Thickness										Hole Size		U-Bolt Nuts Torque	
					Lightwall		Schedule 10 (UL)		Schedule 40 (UL)		BS-1387 (LPC)		DN (VDS)					
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	ft-lb	n-m
VSR-2	2	DN50	2.375	60.3	.065	1.651	0.109	2.77	0.154	3.91	0.142	3.6	0.091	2.3	1.25 ± .125/- .062	33.0 ± 2.0	20	27
VSR-2 1/2	2.5	-	2.875	73.0	.084	2.134	0.120	3.05	0.203	5.16	-	-	-	-				
VSR-2 1/2	-	DN65	3.000	76.1	-	-	-	-	-	-	0.142	3.6	0.102	2.6				
VSR-3	3	DN80	3.500	88.9	.083	2.108	0.120	3.05	0.216	5.49	0.157	4.0	0.114	2.9	2.00 ± .125	50.8 ± 2.0		
VSR-3 1/2	3.5	-	4.000	101.6	-	-	0.120	3.05	0.226	5.74	-	-	-	-				
VSR-4	4	DN100	4.500	114.3	.084	2.134	0.120	3.05	0.237	6.02	0.177	4.5	0.126	3.2				
VSR-5	5	-	5.563	141.3	-	-	0.134	3.40	0.258	6.55	-	-	-	-				
VSR-6	6	DN150	6.625	168.3	.115	2.921	0.134	3.40	0.280	7.11	0.197	5.0	0.157	4.0				
VSR-8	8	DN200	8.625	219.1	-	-	0.148	3.76	0.322	8.18	0.248	6.3	0.177	4.5				

NOTE: For copper or plastic pipe use Model VSR-CF.

Fig. 2

To remove knockouts: Place screwdriver at inside edge of knockouts, not in the center.



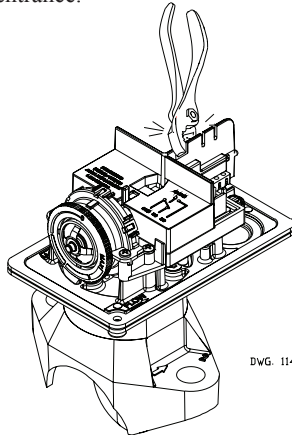
DWG. 1146-4

NOTICE

Do not drill into the base as this creates metal shavings which can create electrical hazards and damage the device. Drilling voids the warranty.

Fig. 3

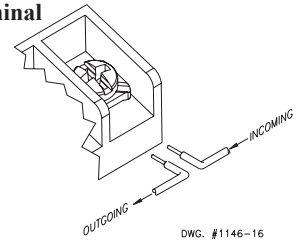
Break out thin section of cover when wiring both switches from one conduit entrance.



DWG. 1146-13

Fig. 4

Switch Terminal Connections Clamping Plate Terminal



DWG. #1146-16

WARNING

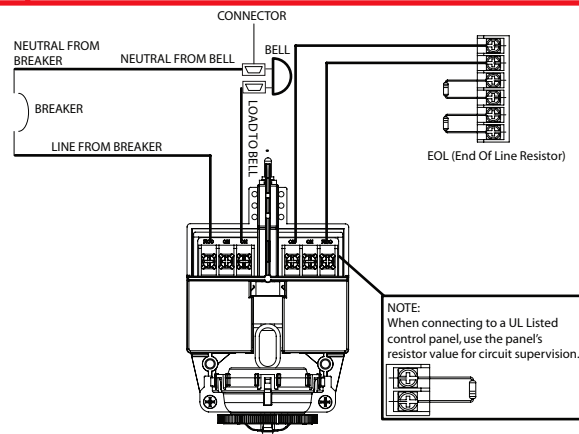
An uninsulated section of a single conductor should not be looped around the terminal and serve as two separate connections. The wire must be severed, thereby providing supervision of the connection in the event that the wire become dislodged from under the terminal. Failure to sever the wire may render the device inoperable risking severe property damage and loss of life.

Do not strip wire beyond 3/8" of length or expose an uninsulated conductor beyond the edge of the terminal block. When using stranded wire, capture all strands under the clamping plate.

Fig. 5 Typical Electrical Connections

Notes:

1. The Model VSR has two switches, one can be used to operate a central station, proprietary or remote signaling unit, while the other contact is used to operate a local audible or visual annunciator.
2. For supervised circuits, see "Switch Terminal Connections" drawing and warning note (Fig. 4).



NOTE:
When connecting to a UL Listed control panel, use the panel's resistor value for circuit supervision.

Testing

The frequency of inspection and testing for the Model VSR and its associated protective monitoring system shall be in accordance with applicable NFPA Codes and Standards and/or the authority having jurisdiction (manufacturer recommends quarterly or more frequently).

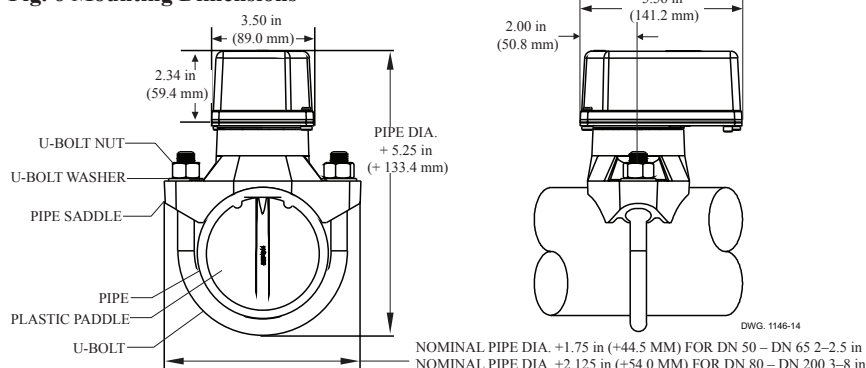
If provided, the inspector's test valve shall always be used for test purposes. If there are no provisions for testing the operation of the flow detection device on the system, application of the VSR is not recommended or advisable.

A minimum flow of 10 GPM (38 LPM) is required to activate this device.

NOTICE

Advise the person responsible for testing of the fire protection system that this system must be tested in accordance with the testing instructions.

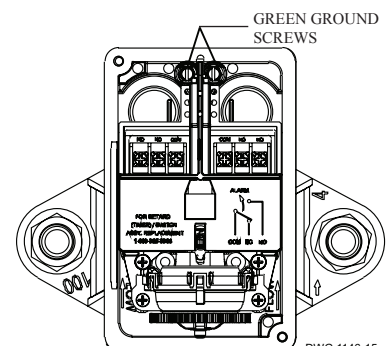
Fig. 6 Mounting Dimensions



DWG. 1146-14

NOMINAL PIPE DIA. +1.75 in (+44.5 mm) FOR DN 50 - DN 65 2-2.5 in
NOMINAL PIPE DIA. +2.125 in (+54.0 mm) FOR DN 80 - DN 200 3-8 in

Fig. 7



DWG. 1146-15

Maintenance

Inspect detectors monthly. If leaks are found, replace the detector. The VSR waterflow switch should provide years of trouble-free service. The retard and switch assembly are easily field replaceable. In the unlikely event that either component does not perform properly, please order replacement retard switch assembly stock #1029030 (see Fig. 8). There is no maintenance required, only periodic testing and inspection.

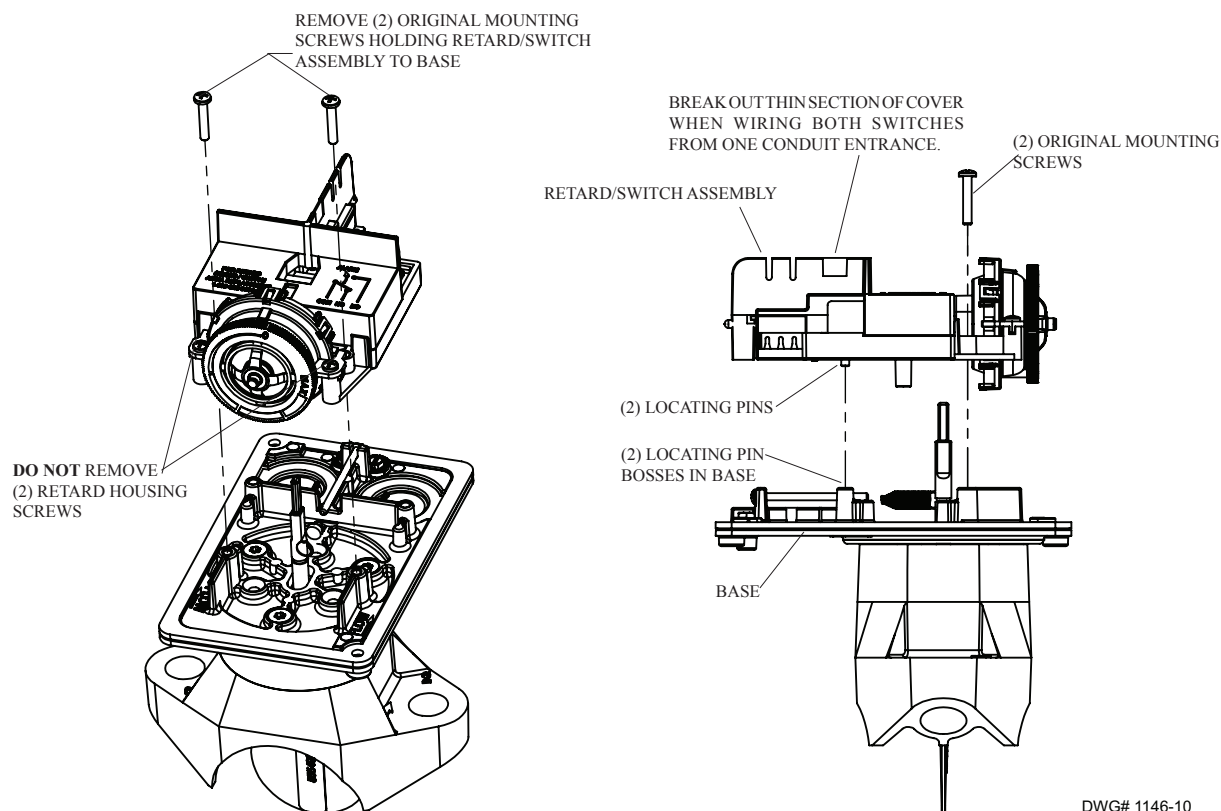
Retard/Switch Assembly Replacement (See Fig. 8)

NOTICE

The Retard/Switch Assembly is field-replaceable without draining the system or removing the waterflow switch from the pipe.

1. Make sure the fire alarm zone or circuit connected to the waterflow switch is bypassed or otherwise taken out of service.
2. Disconnect the power source for local bell (if applicable).
3. Identify and remove all wires from the waterflow switch.
4. Remove the (2) mounting screws holding retard/switch assembly to the base. **Do not** remove the (2) retard housing screws.
5. Remove the retard assembly by lifting it straight up over the tripstem.
6. Install the new retard assembly. Make sure the locating pins on the retard/switch assembly fit into the locating pin bosses on the base.
7. Re-install the (2) original mounting screws.
8. Reconnect all wires. Perform a flow test and place the system back in service.

Fig. 8



Removal of Waterflow Switch

- To prevent accidental water damage, all control valves should be shut tight and the system completely drained before waterflow detectors are removed or replaced.
- Turn off electrical power to the detector, then disconnect wiring.
- Loosen nuts and remove U-bolts.
- Gently lift the saddle far enough to get your fingers under it. With your fingers, roll the vane so it will fit through the hole while continuing to lift the waterflow detector saddle.
- Lift detector clear of pipe.

UL Listed, FM Approved

SWITCH CONTACTS: SPDT (Form C)

CONTACT RATING:

3 Amps at 250VAC

5 Amps at 125VAC

1 mA at 5 VDC min

TERMINATIONS: 8" (20 cm) N.O. 22 AWG wire leads

STOCK NO: 0090148

The VSRCTSK Cover Tamper Switch Kit provides a SPDT (single pole, double throw) contact that is used to detect the removal of the cover from the VSR Series Vane Type Waterflow Switch, and can be field installed.

CAUTION

Carefully read and follow the instructions provided. Failure to read and follow the instructions provided could result in improper operation.

WARNING

- Installation must be performed by qualified personnel and in accordance with all national and local codes and ordinances.
- Shock hazard. Disconnect power source before servicing. Serious injury or death could result.
- Risk of explosion. Not for use in hazardous locations. Serious injury or death could result.

INSTALLATION:

1. The VSRCTSK must be installed on the switch housing cover on the same side of the conduit entrance being used.
2. Insert the leads from the switch into the strain relief slot located in the switch housing as shown in Fig. 1.
3. Mount the tamper switch in the notches provided in the switch housing cover using the screws, washers, and nuts provided, as shown in Figure 2. For proper operation the mounting screws must be bottomed in the notches on the cover.
4. Pull up on the wires to lock them in the strain relief notches in the switch housing.

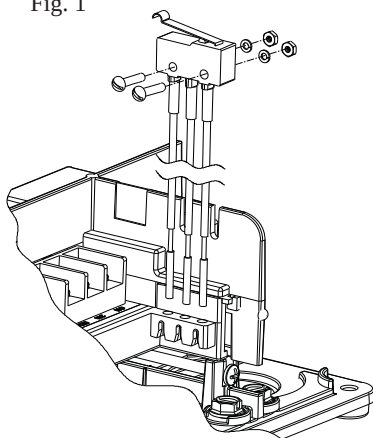
WIRING INFORMATION, CIRCUIT CONDITION WITH COVER AFFIXED:

N.O. - For normally open circuit with cover attached use Common (white) and Normally Open (black) Leads.

N.C. - For normally closed circuit with cover attached use Common (white) and Normally Closed (red) Leads.

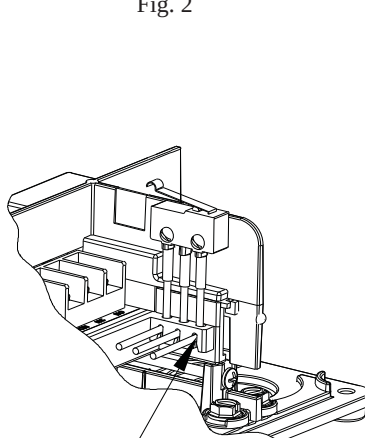
Adjustment - Some adjustment may be necessary to correctly position the blade of the switch. This can be accomplished by carefully bending the blade of the switch upward toward the cover to ensure engagement. Be careful to bend the switch-blade at the center to avoid damage to the switch.

Fig. 1



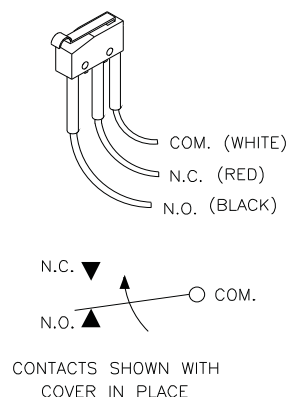
DWG. #1103-1

Fig. 2



BEND WIRE 90° TO
LOCK IN PLACE

Fig. 3



Vane type waterflow switches should be tested using the inspectors test valve to indicate water flow equivalent to that of a single sprinkler.

In some instances the waterflow switch will “cycle” on and off during this test. This is usually an indication of excessive air trapped in the sprinkler system.

This phenomenon has increased with the use of backflow preventors and inspector test valves in close proximity to the flowswitch instead of at the hydraulically remote locations.

Without a valve at the far end of the sprinkler system being open when the system is being filled, the air in the piping cannot vent as the water enters. All of this air compresses and can result in sprinkler pipes being partially filled with water.

In addition to excessive amounts of oxygen leading to increased corrosion, it can also cause the waterflow switch to cycle on and off, delayed operation of the flowswitch or false alarms. When the inspectors test valve is opened, the trapped compressed air expands pushing system water out of the test valve. When the system pressure drops enough, the backflow or check valve opens allowing fresh supply water to enter the system. The supply water flows past the waterflow switch, moves the paddle and starts the retard action. The incoming supply water also compresses the air in the system causing pressure to build up. When the system pressure equals the supply pressure the backflow will close and the flowswitch resets. Then the entire cycling process starts all over. While there may be as a steady stream of water flowing out of the test valve, there is not a steady stream of water flowing past the flowswitch.

The delayed flowswitch operation occurs because the cycling keeps going until eventually it takes long enough for the backflow to close that the flowswitch finally goes into alarm or in the event of a real fire, another sprinkler opens and now it flows enough water that the backflow stays open.

False alarms can occur because when you open the ITV you bleed off any pressure that may have built up in the system. Now when the city turns on their pumps late at night to build up pressure for the morning water demand of the city, this water flows into the system and trips the flowswitch because the pipes are only partially full and the system pressure is lower than the supply pressure because the system pressure was vented through the ITV the day before.

Potter makes an automatic air vent, model [PAAR-B](#) or [PAV](#), that can be used to automatically vent air from the system or remote valves can be installed for venting the system as it is being filled

Regards,



Mike Henke CET
Product Manager
Sprinkler Products Division

February 28, 2017

NFPA 13, 2016, 23.4.4.8.1 (I) requires that the friction loss across [vane-type water flow switches](#) 2 inches and smaller be included in the fire sprinkler hydraulic calculations. As each community, County, State or local AHJ adopts this standard, Potter can expect to receive telephone calls related to this topic. Potter Flow Switches products are manufactured and tested to [UL Standard 346](#).

[UL Standard 346](#) allows a maximum pressure drop of 3 psig (20.7 kPa) for flowswitches up to and including 4" and 1 psi in flowswitches 5" and larger. Potter's flow switches meet or improve upon that requirement.

The actual friction loss may be substantially less than the UL requirement. Field testing may be used to verify this. However, in the absence of field testing, using the 3 psig (20.7 kPa) figure is a conservative approach.

This response is consistent with the requirements of [NFPA 13](#), 24.4.4.7 "Table 24.4.2.7 shall be used to determine the equivalent length of pipe for fittings and devices unless manufacturer's test data indicate that other factors are appropriate."

This memorandum is not confidential and may be distributed as needed.

Regards,



Mike Henke CET
Product Manager
Sprinkler Products Division

Vane-Type Waterflow Switch

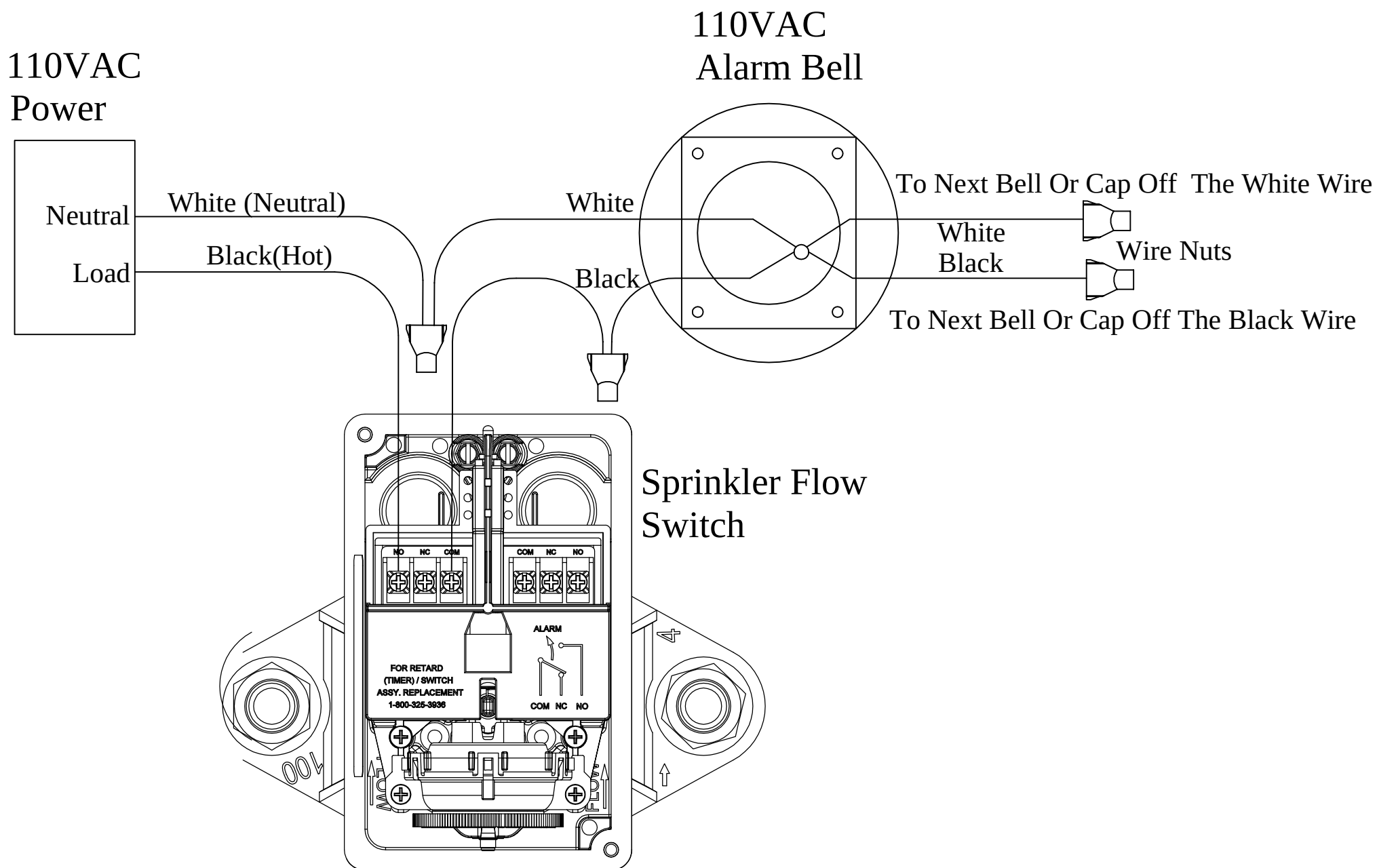
UL, CUL Listed / FM, LPCB, VdS Approved and CE Marked vane type waterflow switches shall be furnished and installed at each sprinkler system connection to the wet pipe main where indicated on the drawings and plans and as required by applicable local and national codes and standards.

The device shall consist of a saddle with factory installed non-corrosive insert, gasket and non-corrosive vane and trip stem assembly as well as a field replaceable adjustable time delay / switch mechanism to prevent false alarms from water surges. All wetted parts of the waterflow switch shall be non-metallic to resist being affected by or contributing to corrosion. The waterflow switch enclosures shall be NEMA 4 rated and the cover shall be held captive by tamper resistant screws. It shall be possible to install an optional cover tamper switch to detect removal of the enclosure.

The field replaceable instantly recycling adjustable pneumatic retard shall provide a 0-90 second time delay and visual indication of activation. Expiration of the retard time shall result in the simultaneous operation of two sets of single pole double throw (SPDT) switch contacts rated at 10A, 125VAC and 2A, 30VDC. Each switch contact shall have a separate wiring chamber and separate conduit entrance to comply with the NEC requirements for separation of power limited and non power limited conductors without the need for special wire or wire methods.

The device shall be listed for pressures up to 450 psi, maximum water surges of 18 fps and alarm activation by a continuous flow of 10gpm. The device shall be Listed for installation on pipe schedules from 5-40 for 2" – 6" and schedule 10-40 for 8" through 10" size.

The waterflow switch shall be a model VSR manufactured by Potter Electric Signal Company LLC.





Description & Features:

- Specially designed for fire sprinkler systems
- Suitable for air and water media
- Corrosion resistant case
- Dual scales (psi/kpa, psi/bar, psi/kg/cm²) and single scale (psi) pressure ratings
- Approved by Factory Mutual (FM) and listed by Underwriter Laboratory (UL-393), USA and Canada
- Internal pointer over-travel stop
- ASME B40.100 compliant
- CRN registered
- 5 year warranty

Applications:

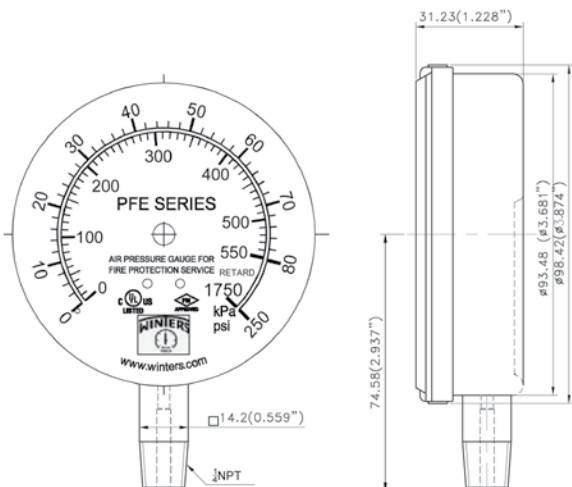
- Ideally suited for fire sprinkler systems and fire fighting equipment
- Suitable for non-clogging and non-corrosive media

Specifications

Dial	3.5" (90mm), white aluminum with black and red markings
Case	Black plastic
Lens	Polycarbonate, threaded
Socket	Brass
Connection	1/4" NPT standard, bottom
Bourdon Tube	Phosphor bronze
Movement	Brass
Pointer	Aluminum, black
Welding	Silver Alloy
Working Pressure	Maximum 75% of full scale value
Ambient/Process Temperature	-40°F to 150°F (-40°C to 65°C)
Accuracy	±3-2-3% ASME Grade B
Enclosure Rating	IP52
Warning	 WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov .

Order Codes (products in bold are normally stock in North America)

Product	Air	Water	Air/Water
0/80/retard/250 psi	PFE3932R1	-	-
0/300 psi	-	PFE3933R1	PFE3935R1
0/80/retard/250 psi/kPa	PFE3932	-	-
0/300 psi/kPa	-	PFE3933	PFE3935
0/80/retard/250 psi/bar	PFE3932R1R11	-	-
0/300 psi/bar	-	PFE3933R1R11	PFE3935R1R11
0/80/retard/250 psi/kg/cm ²	PFE3932R1R3	-	-
0/300 psi/kg/cm ²	-	PFE3933R1R3	PFE3935R1R3





ISO9001:2000

HOSE VALVE

FIRE PROTECTION PRODUCTS

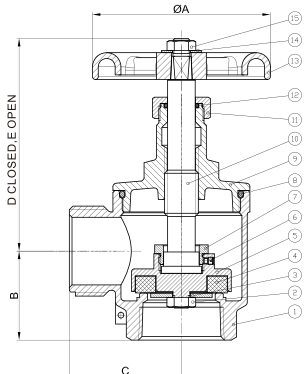


Thread:
2 1/2" FNPT x MNST
MBCT
MONT
MPHX
MQST
MCLV
MTEM
NYFD
1 1/2" FNPT x MNST
MNPSH

HC-101(DWG.J281)
ANGLE HOSE VALVE
300lb. RATED
Used with a Fire Hose Rack Assembly
Or as a Fire Dept. outlet connection
FEMALE x MALE

Standard equipment:
Female NPT inlet x male hose thread
Outlet forge brass valve
Red hand wheel.

Optional Finishes:
PB-Polished Brass
RC-Rough Chrome Plated
PC-Polished Chrome Plated



	A	B	C	D	E
1 1/2"x1 1/2"	100	50	63	119	145
2 1/2"x2 1/2"	127	68	79	157	200

NO	DESCRIPTION	MATERIALS	NO	DESCRIPTION	MATERIALS
1	BODY	ASTM B283 C37700	9	BONNET	ASTM B283 C37700
2	NUT	ASTM B283 C37700	10	STEM	ASTM B283 C37700
3	WASHER	304	11	LOCK NUT	ASTM B283 C37700
4	SEAT SEAL	EPDM(A70)	12	O-RING	EPDM(A70)
5	HOLDER	ASTM B283 C37700	13	HANDLE WHEEL	ZL102
6	SET SCREW	304	14	WHEEL WASHER	304
7	LOCK NUT	ASTM B283 C37700	15	WHEEL NUT	ASTM B283 C37700
8	O-RING	EPDM(A70)			

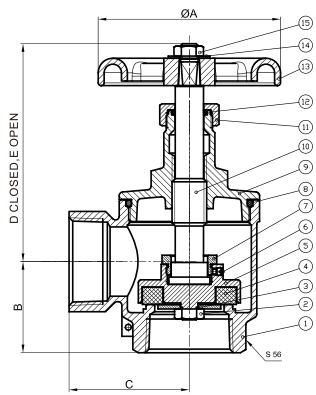


2 1/2" FNPT x FNPT
1 1/2" FNPT x FNPT

HC-102(DWG.J281)
ANGLE HOSE VALVE
300lb. RATED
Used with a Fire Hose Rack Assembly
Or as a Fire Dept. outlet connection
DOUBLE FEMALE

Standard equipment:
Female NPT inlet and outlet forge brass valve
Red hand wheel.

Optional Finishes:
PB-Polished Brass
RC-Rough Chrome Plated
PC-Polished Chrome Plated



	A	B	C	D	E
1 1/2"x1 1/2"	100	50	66	119	145
2 1/2"x2 1/2"	127	68	84	157	200

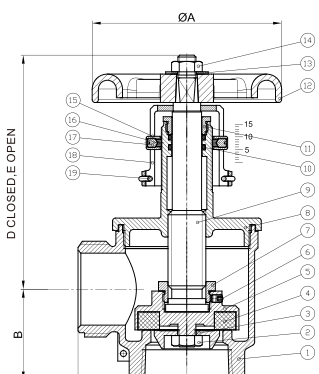
NO	DESCRIPTION	MATERIALS	NO	DESCRIPTION	MATERIALS
1	BODY	ASTM B283 C37700	9	BONNET	ASTM B283 C37700
2	NUT	ASTM B283 C37700	10	STEM	ASTM B283 C37700
3	WASHER	304	11	LOCK NUT	ASTM B283 C37700
4	SEAT SEAL	EPDM(A70)	12	O-RING	EPDM(A70)
5	HOLDER	C37700	13	HANDLE WHEEL	ZL102
6	SET SCREW	304	14	WHEEL WASHER	304
7	LOCK NUT	ASTM B283 C37700	15	WHEEL NUT	ASTM B283 C37700
8	O-RING	EPDM(A70)			



HC-103(DWG.J282)
Pressure Reducing Device Angle Valve
175 Lb. Rated Adjustable restriction of
residual pressure up to 175 lb. Locking
pin device restricts full opening of valve
by untrained personnel, pin may be
removed by firefighters to allow full
opening of valve.
FEMALE x MALE

Standard equipment:
Female NPT inlet x male hose thread
outlet forged brass valve Red hand wheel

Optional Finishes:
PB-Polished Brass
RC-Rough Chrome Plated
PC-Polished Chrome Plated



	A	B	C	D	E
1 1/2"x1 1/2"	100	48	58	123	145
2 1/2"x2 1/2"	127	67	77	165	206

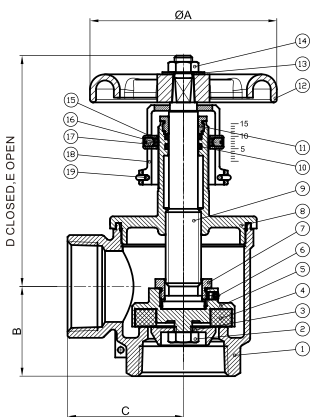
NO	DESCRIPTION	MATERIALS	NO	DESCRIPTION	MATERIALS
1	BODY	ASTM B283 C37700	11	LOCK NUT	ASTM B283 C37700
2	NUT	ASTM B283 C37700	12	HANDLE WHEEL	ZL102
3	WASHER	304	13	WHEEL WASHER	304
4	SEAT SEAL	EPDM(A70)	14	WHEEL NUT	ASTM B283 C37700
5	HOLDER	ASTM B283 C37700	15	COLLAR	ASTM B283 C37700
6	SET SCREW	304	16	WASHER	PA6
7	LOCK NUT	ASTM B283 C37700	17	SET SCREW	304
8	BONNET	ASTM B283 C37700	18	SET NUMBERS	ASTM B283 C37700
9	STEM	ASTM B283 C37700	19	WIRE	304
10	ORING	EPDM(A70)			



HC-104(DWG.J282)
Pressure Reducing Device Angle Valve 175 Lb.
Rated Adjustable restriction of residual pressure
up to 175 lb. Locking pin device restricts full
opening of valve by untrained personnel, pin may
be removed by firefighters to allow full opening
of valve.
DOUBLE FEMALE

Standard equipment:
Female NPT inlet and outlet forged brass valve
Red hand wheel

Optional Finishes:
PB-Polished Brass
RC-Rough Chrome Plated
PC-Polished Chrome Plated



	A	B	C	D	E
1 1/2"x1 1/2"	100	48	62	123	145
2 1/2"x2 1/2"	127	67	83	165	206

NO	DESCRIPTION	MATERIALS	NO	DESCRIPTION	MATERIALS
1	BODY	ASTM B283 C37700	11	LOCK NUT	ASTM B283 C37700
2	NUT	ASTM B283 C37700	12	HANDLE WHEEL	ZL102
3	WASHER	304	13	WHEEL WASHER	304
4	SEAT SEAL	EPDM(A70)	14	WHEEL NUT	ASTM B283 C37700
5	HOLDER	ASTM B283 C37700	15	COLLAR	ASTM B283 C37700
6	SET SCREW	304	16	WASHER	PA6
7	LOCK NUT	ASTM B283 C37700	17	SET SCREW	304
8	BONNET	ASTM B283 C37700	18	SET NUMBERS	ASTM B283 C37700
9	STEM	ASTM B283 C37700	19	WIRE	304
10	ORING	EPDM(A70)			



Certificate of Compliance

This certificate is issued for the following:

Pressure Restricting Angle Hose Valves

Model J282 in sizes 1-1/2 and 2-1/2 inch NPS

Prepared for:

Ningbo Huacheng Valve Co., Ltd.
Chengguan, Ninghai, Ningbo
Zhejiang 315600
China

Manufactured at:

Ningbo Huacheng Valve Co., Ltd.
Chengguan, Ninghai, Ningbo
Zhejiang 315600
China

FM Approvals Class: 1521/1522

Approval Identification: 3055898

Approval Granted: April 7, 2016

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in dark ink, reading "Cynthia E. Frank".

Cynthia E. Frank
AVP, Manager of Building
Materials

FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062



Member of the FM Global Group

CERTIFICATE OF COMPLIANCE

Certificate Number 20151217-EX26977
Report Reference EX26977-20151215
Issue Date 2015-DECEMBER-17

Issued to: NINGBO HUACHENG VALVE CO LTD
CHENGGUAN NINGHAI, NINGBO,
ZHEJIANG 315600 CHINA

This is to certify that
representative samples of PRESSURE-REDUCING AND -RESTRICTING DEVICES
See next page for Models

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 1468 - Standard for Direct Acting Pressure Reducing
and Pressure Restricting Valves for Fire Protection Service
ULC/ORD C668-75 - Standard for Hose Valves for Fire
Protection Service

Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please
contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20151217-EX26977
Report Reference EX26977-20151215
Issue Date 2015-DECEMBER-17

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Pressure Restricting Valves of the following models, types, sizes and rated pressures:

Listing	Model	End Configuration	Type	NPS	Rated Pressure, psig(kPa)
USL	J282-121	Female/Male Treaded	Angle (90°)	1.5	175
USL	J282-221	Female/Male Threaded	Angle (90°)	2.5	175



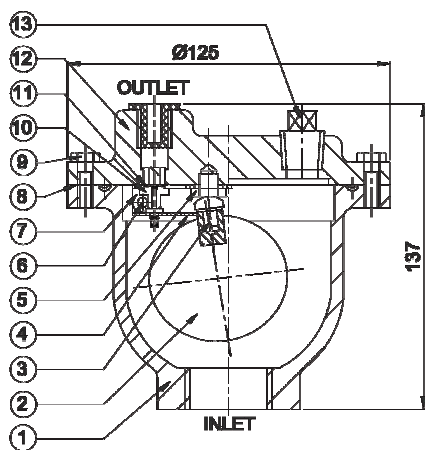
Bruce Mahrenholz, Director North American Certification Program
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>





FIG 1



DESCRIPTION

VALMATIC® Automatic Air Vent is designed to release accumulated air from the piping system during the normal operating conditions. It also ensures to allow large quantity of air to flow through when the pipelines are being filled or emptied.

VALMATIC® Automatic Air Vent is featured with Fusion Bonded Epoxy Powder Coating to prevent the valve body from environmental attack. This Air Vent is applicable for Building Services, Plumbing, Waterworks, Air-Conditioning System, Hot Water System and General Industries.

SPECIFICATION

End Connection	- Screwed End BSPT
Pressure Rating	- PN16
Working Temperature	- up to 120°C

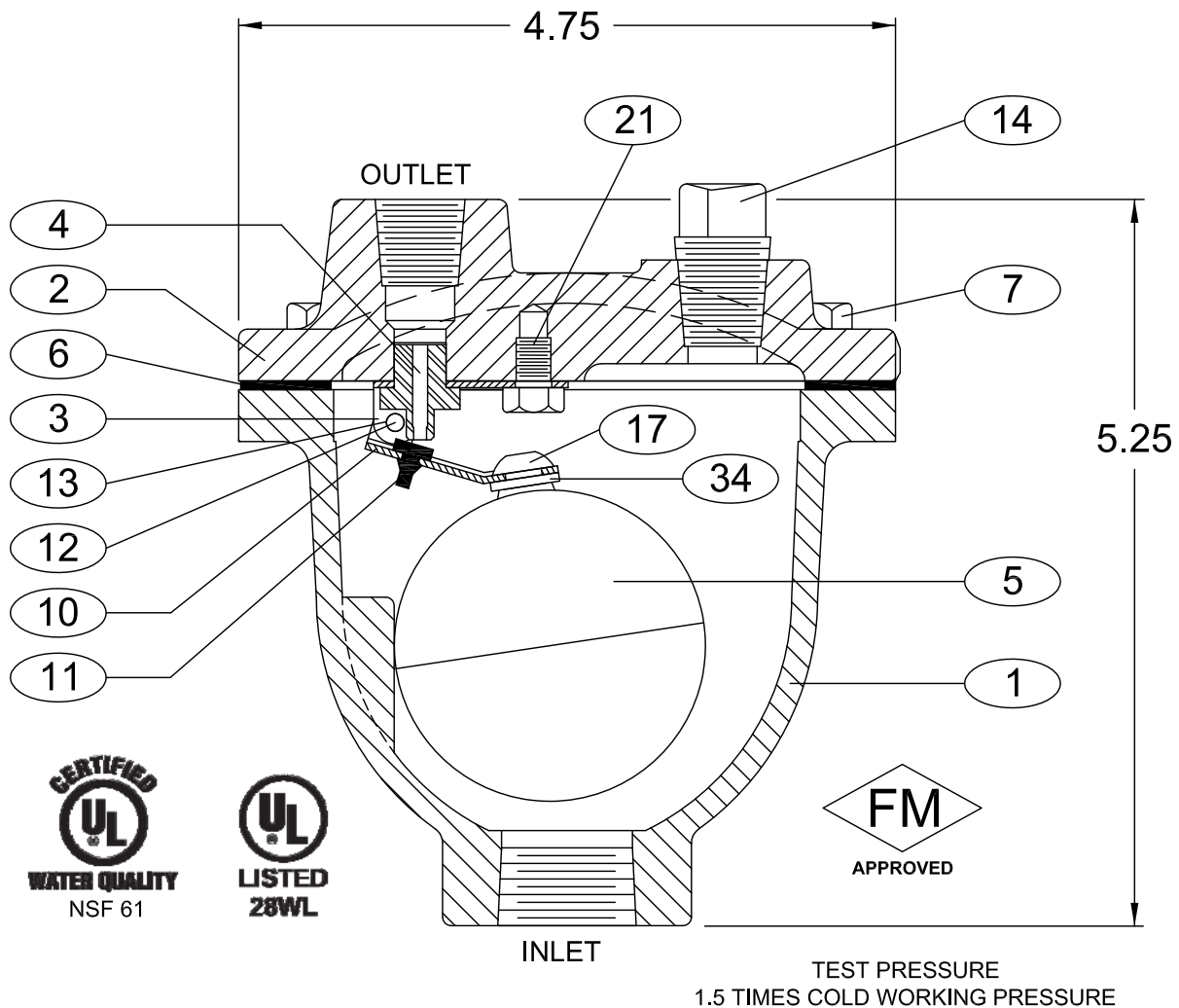
MATERIALS

NO.	PARTS	MATERIAL
1.	Body	Cast Iron A126 CLASS B (EN-JL1040)
2.	Float Ball	Stainless Steel AISI 304 (BS970 304S15)
3.	Lever Frame	Stainless Steel AISI 304 (BS970 304S15)
4.	Float Arm	Stainless Steel AISI 304 (BS970 304S15)
5.	Locator	Stainless Steel AISI 304 (BS970 304S15)
6.	Pivot Pin	Stainless Steel AISI 304 (BS970 304S15)
7.	Pin Retainer	Stainless Steel AISI 304 (BS970 304S15)
8.	Gasket	EPDM Rubber
9.	Cover Bolt	Carbon Steel A307B
10.	Orifice Button	VITON Rubber
11.	Seat	Stainless Steel AISI 304 (BS970 304S15)
12.	Cover	Cast Iron A126 CLASS B (EN-JL1040)
13.	Plug	BRASS B16 (CuZn39Pb3)

DIMENSIONS (INCH)

SIZE	INLET SIZE	OUTLET SIZE	ORIFICE SIZE
½ INCH	1/2" BSP	1/2" BSP	1/16"
¾ INCH	3/4" BSP	1/2" BSP	1/16"
1 INCH	1" BSP	1/2" BSP	1/16"

The specification is subject to change without further notice



SEE DRAWING NO. VM-15A-M FOR STANDARD MATERIALS OF CONSTRUCTION

VALVE SIZE	MODEL NUMBER	INLET SIZE	OUTLET SIZE	MAX. W.P. P.S.I.	ORIFICE SIZE
1/2"	15A	1/2" NPT	1/2" NPT	175	1/16"
3/4"	15A.2	3/4" NPT	1/2" NPT	175	1/16"
1"	15A.3	1" NPT	1/2" NPT	175	1/16"

- | | | | |
|----|-------------|----|----------------------------|
| 1 | BODY | 11 | ORIFICE BUTTON |
| 2 | COVER | 12 | PIVOT PIN |
| 3 | LEVER FRAME | 13 | RETAINING RING (NOT SHOWN) |
| 4 | SEAT | 14 | PIPE PLUG |
| 5 | FLOAT | 17 | FLOAT RETAINER |
| 6 | GASKET | 21 | LOCATOR |
| 7 | COVER BOLT | 34 | LOCK WASHER |
| 10 | FLOAT ARM | | |

AIR RELEASE VALVE

DATE 4-15-11

VAL-MATIC

VALVE AND MANUFACTURING CORP.

DRWG. NO.

VMC-15A



FDNP.MH27835 Drinking Water System Components

[Page Bottom](#)

Drinking Water System Components

[See General Information for Drinking Water System Components](#)
VAL-MATIC VALVE & MFG CORP

MH27835

905 S RIVERSIDE DR
ELMHURST, IL 60126-4941 USA

NSF/ANSI 61

Plant at: Elmhurst, IL or Addison, IL (b)

Mechanical Devices

Trade Dsg	Water Contact Temp (°C)	Water Contact Mtl	Surface Area to Volume Ratio
Air Release Valves			
Air Release Valve Model 15A (1/2 to 1 in.)	23	Multiple	-
Air Release Valve Model 22 (1/2 to 1 in.)	23	Multiple	-
Air Release Valve Model 25 (1 in.)	23	Multiple	-
Air Release Valve Model 38 (1 to 2 in.)	23	Multiple	-
Air Release Valve Model 45 (1 to 2 in.)	23	Multiple	-
Air Release Valve Model 50 (1 to 2 in.)	23	Multiple	-
Air Release Valve Model 61 (6 in.)	23	Multiple	-
Air Vacuum Valves			
Air Vacuum Valve Model 100S (1/2 in.)	23	Multiple	-
Air Vacuum Valve Model 101S (1 in.)	23	Multiple	-
Air Vacuum Valve Model 102S (2 in.)	23	Multiple	-
Air Vacuum Valve Model 103S (3 in.)	23	Multiple	-
Air Vacuum Valve Model 104S (4 in.)	23	Multiple	-
Air Vacuum Valve Model 106S (6 in.)	23	Multiple	-
Air Vacuum Valve Model 108S (8 in.)	23	Multiple	-
Air Vacuum Valve Model 110F (10 in.)	23	Multiple	-
Air Vacuum Valve Model 112F (12in.)	23	Multiple	-
Air Vacuum Valve Model 114F (14 in.)	23	Multiple	-
Air Vacuum Valve Model 116F (16 in.)	23	Multiple	-
Air Vacuum Valve Model 120F (20 in.)	23	Multiple	-
Air Vacuum Valve Model 154S (4 in.)	23	Multiple	-
Air Vacuum Valve Model 156S (6 in.)	23	Multiple	-
Air Vacuum Valve Model 158S (8 in.)	23	Multiple	-

Air Vacuum Valve Model 160F (10 in.)	23	Multiple	-
Air Vacuum Valve Model 162F (12 in.)	23	Multiple	-
Air Vacuum Valve Model 164F (14 in.)	23	Multiple	-
Air Vacuum Valve Model 166F (16 in.)	23	Multiple	-
Air Vacuum Valve Model 170F (20 in.)	23	Multiple	-
Ball Valves			
Ener-G Rubber-Seated Ball Valve, Series 4000 (4 to 48 in)	23	Multiple	-
Butterfly Valves			
2000RL Flanged or Mechanical Joint Rubber Line Butterfly Valve (24 inches and greater)	23	Multiple	-
Series 2000 Flanged or Mechanical Joint Butterfly Valve (4"-144")	23	Multiple	-
Series 2500 Wafer Butterfly Valve (4"-24")	23	Multiple	-
Series 2600 Flange by Mechanical Joint Butterfly Valve (6"-16")	23	Multiple	-
Combination Air Valves			
Combination Air Valve Model 201C (1 in.)	23	Multiple	-
Combination Air Valve Model 202C (2 in.)	23	Multiple	-
Combination Air Valve Model 203C (3 in.)	23	Multiple	-
Combination Air Valve Model 204C (4 in.)	23	Multiple	-
Combination Air Valve Model 206C (6 in.)	23	Multiple	-
Combination Air Valve Model 208C (8 in.)	23	Multiple	-
Combination Air Valve Model 256C (6 in.)	23	Multiple	-
Combination Air Valve Model 258C (8 in.)	23	Multiple	-
Dual Disc Check Valves			
Class 125 Lug Wafer Dual Disc Check Valve, Series 8800L, (14 to 60 in)	23	Multiple	-
Class 125 Wafer Dual Disc Check Valve, Series 8800, (14 to 66 in)	23	Multiple	-
Class 125 Wafer End Dual Disc Check Valve, Series 8800W.1, (2 to 12 in)	23	Multiple	-
Class 150 Ductile Iron Wafer Dual Disc Check Valve, Series 8600 (14 to 48 in)	23	Multiple	-
Class 250 Gray Iron Wafer Dual Disc Check Valve, Series 8700, (14 to 48 in)	23	Multiple	-
Grooved End Dual Disc Check Valve, Series 8800G.1 and 8800GHP.1, (2 to 12 in)	23	Multiple	-
Regulated Exhaust Device			
Regulated Exhaust Device Lead Free Model 1203AS.1 (3in.)	23	Multiple	-
Regulated Exhaust Device Lead Free Model 1203S.1 (3in.)	23	Multiple	-
Regulated Exhaust Device Lead Free Model 1204AS.1 (4 in.)	23	Multiple	-
Regulated Exhaust Device Lead Free Model 1204S.1 (4 in.)	23	Multiple	-
Regulated Exhaust Device Lead Free Model 1206AS.1 (6 in.)	23	Multiple	-
Regulated Exhaust Device Lead Free Model 1206S.1 (6 in.)	23	Multiple	-
Regulated Exhaust Device Lead Free Model 1208AS.1 (8 in.)	23	Multiple	-
Regulated Exhaust Device Lead Free Model 1208S.1 (8 in.)	23	Multiple	-
Regulated Exhaust Device Lead Free Model 1210AS.1 (10 in.)	23	Multiple	-
Regulated Exhaust Device Lead Free Model 1210S.1 (10 in.)	23	Multiple	-
Regulated Exhaust Device Lead Free Model 1212AS.1 (12 in.)	23	Multiple	-

Regulated Exhaust Device Lead Free Model 1212S.1 (12 in.)	23	Multiple	-
Regulated Exhaust Device Lead Free Model 1214S.1 (14 in.)	23	Multiple	-
Regulated Exhaust Device Lead Free Model 1216S.1 (16 in.)	23	Multiple	-
Regulated Exhaust Device Lead Free Model 1218S.1 (18 in.)	23	Multiple	-
Regulated Exhaust Device Lead Free Model 1220S.1 (20 in.)	23	Multiple	-
Regulated Exhaust Device Stainless Steel Model 1203AS.3 (3in.)	23	Multiple	-
Regulated Exhaust Device Stainless Steel Model 1204AS.3 (4 in.)	23	Multiple	-
Regulated Exhaust Device Stainless Steel Model 1206AS.3 (6 in.)	23	Multiple	-
Regulated Exhaust Device Stainless Steel Model 1208AS.3 (8 in.)	23	Multiple	-
Regulated Exhaust Device Stainless Steel Model 1210AS.3 (10 in.)	23	Multiple	-
Regulated Exhaust Device Stainless Steel Model 1212AS.3 (12 in.)	23	Multiple	-
Silent Check Valves			
Globe Style Silent Check Valves, Series 1800.1 (2.5 to 42 in.) Lead-Free Bronze Trim	23	Multiple	-
Globe Style Silent Check Valves, Series 1800.3 (2.5 to 42 in.) Stainless Steel Trim	23	Multiple	-
Globe Style Silent Check Valves, Series 1800A.1 (2.5 to 42in.) Lead Free Bronze Trim	23	-	-
Globe Style Silent Check Valves, Series 1800A.1 (2.5 to 42in.) Stainless Steel Trim	23	-	-
Sure Seal Foot Valves, Series 1900.1 (2 to 36 in.) Lead-Free Bronze Trim (a)	23	Multiple	-
Sure Seal Foot Valves, Series 1900.3 (2 to 36 in) Stainless Steel Trim (a)	23	Multiple	-
Sure Seal Foot Valves, Series 1900A.1 (2 to 36in.) Lead-Free Bronze Trim (a)	23	Multiple	-
Sure Seal Foot Valves, Series 1900A.3 (2 to 36in.) Stainless Steel Trim (a)	23	Multiple	-
Wafer Style Silent Check Valves, Series 1400A.1, (2 to 10 in.) Lead-Free Bronze Trim	23	Multiple	-
Wafer Style Silent Check Valves, Series 1400A.3, (2 to 10 in.) Stainless Steel Trim	23	Multiple	-
Tilted Disc Check Valves			
Tilted Disc Check Valve Series 9600 (4 to 72 in.)	23	Multiple	-
Tilted Disc Check Valve Series 9700 (4 to 72 in.)	23	Multiple	-
Tilted Disc Check Valve Series 9800 (4 to 72 in.)	23	Multiple	-
Vacuum Breaker Valves			
Vacuum Breaker Valve Model 100VB (1/2 in.)	23	Multiple	-
Vacuum Breaker Valve Model 101VB (1 in.)	23	Multiple	-
Vacuum Breaker Valve Model 102VB (2 in.)	23	Multiple	-
Vacuum Breaker Valve Model 103VB (3 in.)	23	Multiple	-

a - For use in reservoirs greater than 171 L.

b - Not all products are certified at both locations.

Last Updated on 2015-03-02

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Air Release Valves

Air release valves permit trapped air to be released from sprinkler piping without losing water pressure. They are used on wet pipe sprinkler systems and on casings of horizontal split case pumps. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.

Air Release Valves

Product Specification

Model No	Size		Orifice Diameter		Rated Working Pressure	
	in	(mm)	in	(mm)	psi	(kPa)
15A	1/2	(12.7)	1/16	(1.6)	175	(1205)
15A.2	3/4	(19)	1/16	(1.6)	175	(1205)
15A.3	1	(25.4)	1/16	(1.6)	175	(1205)
22.4	1/2, 3/4	(12.7, 19)	3/32	(2.4)	175	(1205)
22.3	1	(25.4)	3/32	(2.4)	175	(1205)
22.7	1/2	(12.7)	1/16	(1.6)	300	(2065)
22.9	1/2, 3/4, 1	(12.7, 19, 25.4)	1/16	(1.6)	300	(2065)

Company Name:	Val-Matic Valve & Mfg Corp
Company Address:	905 Riverside Dr, Elmhurst, Illinois 60126, USA
Company Website:	http://valmatic.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Certification Type:	FM Approved
Class of Work:	1344-Air Release Valves

UL/FM/WRAS Certificates



Valves | Water Control Valves (OS&Y and NRS Gate Valves) | [Gate Valves, Outside Screw and Yoke](#)

Model KM800

Product Description

Resilient Seated Gate Valves. 2 through 12 inch NPS. Available with the following end connections and rated working pressure:

Product Specification

Model No	Valve Size		Rated Working Pressure		End Connection
	in	(mm)	psi	(kPa)	
KM800	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12	(50, 65, 80, 100, 125, 150, 200, 250, 300)	300	(2065)	Flange x Flange (ANSI)

Details

Category	Gate Valves, Outside Screw and Yoke
Class of Work	1120 - OS&Y and NRS Gate Valves
Approval Standard	FM 1120, 1130 - Fire Service Water Control Valves (OS&Y and NRS Type Gate Valves)
Certification Type	FM Approved
Listing Country	United States of America

Company

Kirmarby International LLC
91 Linden Ave, Irvington
Township , New Jersey 07111
United States of America
<http://kirmarby.com>

Additional Info

Automatic Sprinkler Systems

Valves

Gate Valves

Gate Valves, Outside Screw and Yoke

Outside screw and yoke gate valves are recommended for service indoors and in pits outdoors. They are not recommended for throttling service. The stem indicates at a glance whether or not the valve is open. Smaller sizes, ¾ through 2 in. NPS inclusive, are of bronze. Large sizes, 2 ½ through 14 in. NPS inclusive, are of iron, bronze mounted. One manufacturer makes valves of bronze up through the 3 in. size. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.



Valves | Water Control Valves (OS&Y and NRS Gate Valves) | [Gate Valves, Outside Screw and Yoke](#)

Model KM850

Product Description

Resilient Seated Gate Valves. 3 through 12 inch NPS. Available with the following end connections and rated working pressure:

Product Specification

Model No	Valve Size		Rated Working Pressure		End Connection
	in	(mm)	psi	(kPa)	
KM850	3, 4, 5, 6, 8, 10, 12	(80, 100, 125, 150, 200, 250, 300)	362	(2495)	Groove x Groove (AWWA)

Details

Category	Gate Valves, Outside Screw and Yoke
Class of Work	1120 - OS&Y and NRS Gate Valves
Approval Standard	FM 1120, 1130 - Fire Service Water Control Valves (OS&Y and NRS Type Gate Valves)
Certification Type	FM Approved
Listing Country	United States of America

Company

Kirmary International LLC
91 Linden Ave, Irvington
Township , New Jersey 07111
United States of America
<http://kirmary.com>

Additional Info

Automatic Sprinkler Systems

Valves

Gate Valves

Gate Valves, Outside Screw and Yoke

Outside screw and yoke gate valves are recommended for service indoors and in pits outdoors. They are not recommended for throttling service. The stem indicates at a glance whether or not the valve is open. Smaller sizes, ¾ through 2 in. NPS inclusive, are of bronze. Large sizes, 2 ½ through 14 in. NPS inclusive, are of iron, bronze mounted. One manufacturer makes valves of bronze up through the 3 in. size. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.

Gate Valves

COMPANY

Kirmary International LLC

91 Linden Ave

Irvington Township, NJ 07111 United States

EX29165

Trademark and/or Tradename: ""KIRMARY"" , 

Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Model(s): [KM101-1.6](#), [KM101-2.5](#), [KM102-1.6](#), [KM102-2.5](#), [KM103-175](#), [KM103-300](#), [KM104-175](#), [KM104-300](#), [KM105](#), [KM106-1.6](#), [KM106-2.5](#), [KM107-1.6](#), [KM107-2.5](#), [KM108-175](#), [KM108-300](#), [KM109](#), [KM110](#), [KM111](#), [KM112](#), [KM113](#), [KM800](#), [KM850](#)

Last Updated on 2024-12-06

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Model KM800

File Number: EX29165

COMPANY

Kirmary International LLC
91 Linden Ave
Irvington Township, NJ 07111 United States

MODEL INFO

KM800

GENERAL			
Pattern	Size, in.	End Configuration	Rated Pressure, psig (kPa)
NRS	2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	F by F	300 (2068)



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Model KM850

File Number: EX29165

COMPANY

Kirmary International LLC
91 Linden Ave
Irvington Township, NJ 07111 United States

MODEL INFO

KM850

GENERAL			
Pattern	Size, in.	End Configuration	Rated Pressure, psig (kPa)
NRS	2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	G by G	365 (2516)



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Valves | Single Check Valves | **Check Valves, Single**

Models KM950, KM900, KM900-01, KM114

Product Description

Model No	Description	Valve Size		Rated Working Pressure		Remarks
		in	(mm)	psi	(kPa)	
KM950	Swing Check Valve, Grooved Ends	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12	(50, 65, 80, 100, 125, 150, 200, 250, 300, 76.1, 139.7, 165.1)	365	(2515)	a, b
KM900	Swing Check Valve, Flanged Ends	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12	(50, 65, 80, 100, 125, 150, 200, 250, 300)	300	(2065)	a, b
KM900-01	Swing Check Valve, Flanged Ends	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12	(50, 65, 80, 100, 125, 150, 200, 250, 300)	300	(2065)	a, b
KM114	Swing Check Valve, Flanged Ends	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12	(50, 65, 80, 100, 125, 150, 200, 250, 300)	300	(2065)	a, b, c

- Remarks:**
- a. For use in horizontal and vertical installations.
 - b. Resilient seat.
 - c. Flanged end connections conform to EN1092-2.

Details

Category	Check Valves, Single
Class of Work	1210 - Single Check Valves
Approval Standard	FM 1210 - Swing Check Valves
Certification Type	FM Approved
Listing Country	United States of America

Company

Kirmary International LLC
91 Linden Ave, Irvington
Township , New Jersey 07111
United States of America
<http://kirmary.com>

Approvals

Additional Info

Automatic Sprinkler Systems

Valves

Check Valves

Check Valves, Single

Single check valves are used in fire protection systems to allow waterflow in one direction only. Typical applications are at connections between public water supplies and private fire service systems, at the discharge from fire pumps, at gravity tank connections and at fire service pumper connections.

Valves identified in the listing by a single asterisk (*) have side covers; valves identified by a double asterisk (**) have no removable covers; others have top covers. Clearance must be provided for side-cover valves to permit clapper removal. Valves without covers must be removed from the system for clapper replacement or repair. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.

Check Valves

COMPANY

Kirmary International LLC

91 Linden Ave

Irvington Township, NJ 07111 United States

EX29166

Trademark and/or Tradename: ""KIRMARY"" , 

Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Swing, Model(s): [KM114](#), [KM900](#), [KM900-01](#), [KM950](#)

Last Updated on 2024-12-06

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Model KM900

File Number: EX29166

COMPANY

Kirmary International LLC
91 Linden Ave
Irvington Township, NJ 07111 United States

MODEL INFO

KM900
Swing

ATTRIBUTES AND RATINGS				
Valve Seat Facing	Nom Pipe Size, NPS	End Configuration	Rated Pressure, psig (kPa)	Installation Position
Elastomeric	2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	Flange by Flange	300 (2068)	Horizontal, Vertical



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Model KM950

File Number: EX29166

COMPANY

Kirmary International LLC
91 Linden Ave
Irvington Township, NJ 07111 United States

MODEL INFO

KM950
Swing

ATTRIBUTES AND RATINGS				
Valve Seat Facing	Nom Pipe Size, NPS	End Configuration	Rated Pressure, psig (kPa)	Installation Position
Elastomeric	2, 2-1/2, 76.1 mm, 3, 4, 5, 139.7 mm, 6, 165.1 mm, 8, 10, 12	Groove by Groove	365 (2516)	Horizontal, Vertical



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Valves | Water Control Valves (OS&Y and NRS Gate Valves) | Gate Valves, Inside Screw

Model KM103-300, KM104-300

Product Description

Resilient Seated Gate Valves. 2 through 12 inch NPS. Model KM104-300 is available with indicator post flange. Available with the following end connections and rated working pressure:

Product Specification

Model No	Valve Size		Rated Working Pressure		End Connection
	in	(mm)	psi	(kPa)	
KM103-300	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12	(50, 65, 80, 100, 125, 150, 200, 250, 300)	300	(2065)	Flange x Flange (ANSI)
KM104-300	4, 5, 6, 8, 10, 12	(100, 125, 150, 200, 250, 300)	300	(2065)	Flange x Flange (ANSI)

Details

Category	Gate Valves, Inside Screw
Class of Work	1120 - OS&Y and NRS Gate Valves
Approval Standard	FM 1120, 1130 - Fire Service Water Control Valves (OS&Y and NRS Type Gate Valves)
Certification Type	FM Approved
Listing Country	United States of America

Company

Kirmary International LLC
91 Linden Ave, Irvington
Township , New Jersey 07111
United States of America
<http://kirmary.com>

Approvals

Additional Info

Automatic Sprinkler Systems

Valves

Gate Valves

Gate Valves, Inside Screw

Inside screw gate valves are used underground with indicator posts attached or as roadway box valves (curb box installation). FM Approved valves are available with a variety of end connections as indicated in the listings.

Valves having Ring-Tite, Fluid-Tite or Tyton-Joint connections should be anchored in place during installation. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.

Gate Valves

COMPANY

Kirmary International LLC

91 Linden Ave

Irvington Township, NJ 07111 United States

EX29165

Trademark and/or Tradename: ""KIRMARY"" , 

Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Model(s): [KM101-1.6](#), [KM101-2.5](#), [KM102-1.6](#), [KM102-2.5](#), [KM103-175](#), [KM103-300](#), [KM104-175](#), [KM104-300](#), [KM105](#), [KM106-1.6](#), [KM106-2.5](#), [KM107-1.6](#), [KM107-2.5](#), [KM108-175](#), [KM108-300](#), [KM109](#), [KM110](#), [KM111](#), [KM112](#), [KM113](#), [KM800](#), [KM850](#)

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Model KM104-300

File Number: EX29165

COMPANY

Kirmary International LLC
91 Linden Ave
Irvington Township, NJ 07111 United States

MODEL INFO

KM104-300

GENERAL			
Pattern	Size, in.	End Configuration	Rated Pressure, psig (kPa)
NRS	4, 5, 6, 8, 10, 12	F by F	300 (2068)



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Valves | Angle Hose Valves | **Hose Valves, Angle**

KM300

Product Description

Model No	Description	Valve Size		Rated Working Pressure	
		in	(mm)	psi	(kPa)
KM300	Standard Hose Valve Female NPT x Male NH, Female NPT x Female NPT	1 1/2	(38)	300	(2065)
KM300	Standard Hose Valve Female NPT x Male NH, Female NPT x Female NPT	2 1/2	(64)	300	(2065)

Details

Category	Hose Valves, Angle
Class of Work	1521 - Angle Hose Valves
Approval Standard	FM 1521, 1522 - Angle and Straightaway Hose Valves
Certification Type	FM Approved
Listing Country	United States of America

Company

Kirmary International LLC
91 Linden Ave, Irvington
Township , New Jersey 07111
United States of America
<http://kirmary.com>

Approvals

Additional Info

Hydrants & Hoses

Hose Valves

Hose valves of 1 ½ in. (38 mm) may be used on connections from sprinkler systems; 2 ½ in. (64 mm) valves are used on hose standpipes and fire pump headers. For pressures above 175 psi (1205 kPa), an appropriate pressure reducing device shall be used.

Hose Valves, Angle

Hose Valves

COMPANY

Kirmary International LLC

91 Linden Ave

Irvington Township, NJ 07111 United States

EX29020

Trademark and/or Tradename: "KIRMARY" , 

Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Angle Type - 90°, Model(s): [KM300](#)

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Model KM300
File Number: EX29020

COMPANY

Kirmary International LLC
91 Linden Ave
Irvington Township, NJ 07111 United States

MODEL INFO

KM300
Angle Type - 90°

PRODUCT RATINGS

For use on

Fire hose rack assembly, Fire department outlet connection

GENERAL

Inlet, NPS w/ End Configuration+	Outlet, NPS w/ End Configuration+	Max Rated Inlet Pressure, psig (kPa)
1-1/2 FNPSH	1-1/2 MNPSH	300 (2068)
1-1/2 FNPT	1-1/2 FNPT	300 (2068)
1-1/2 FNPSH	1-1/2 FNPSH	300 (2068)
2-1/2 FNPSH	2-1/2 MNPSH	300 (2068)
2-1/2 FNPT	2-1/2 FNPT	300 (2068)
2-1/2 FNPSH	2-1/2 FNPSH	300 (2068)
2-1/2 FNPT	2-1/2 MNYC	300 (2068)
2-1/2 GRV	2-1/2 MNH	300 (2068)
2-1/2 GRV	2-1/2 MNYC	300 (2068)
2-1/2 MNH	2-1/2 MNYC	300 (2068)

+END CONNECTION ABBREVIATIONS**Code**

NPSH - National Pipe Straight Hose, NPT - National Pipe Thread, NST (NH, NHT) - National Straight/Hose Thread, GRV-
Grooved, NYC - New York City Fire Department, F - Female, M - Male

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Other Fire Protection Products | Fire Department Connections | **Fire Service Connections**

KM100

Product Description

Model No	Description	Nominal Size, Inlets x Outlet, in	Rated Working Pressure	
			psi	(kPa)
KM100	Straightway Single Clapper	2 1/2 x 2 1/2 x 4	300	(2065)

Details

Category	Fire Service Connections
Class of Work	1530 - Fire Department Connections
Approval Standard	FM 1530 - Fire Department Connections
Certification Type	FM Approved
Listing Country	United States of America

Company

Kirmary International LLC
91 Linden Ave, Irvington
Township , New Jersey 07111
United States of America
<http://kirmary.com>

Approvals

Additional Info

Automatic Sprinkler Systems

Fire Service Connections

A fire service pumper connection, located outside buildings, permits the fire service to pump water into a sprinkler system from a nearby public hydrant or reservoir. Water supplied at high pressure will aid automatic sprinklers to control a fire. The connection may also be used to supply building standpipes.

FM Approved connections are made of bronze and consist of two inlet couplings threaded for standard fire hose and siamesed into an outlet pipe connection. A check valve is provided in each inlet so that either connection may be used separately. The connections are available in straight, 45° or 90° patterns. Unless otherwise noted in the listing, these connections have 175 psi (1205 kPa) rated working pressure.

Fire Department Connections

COMPANY

Kirmary International LLC

91 Linden Ave

Irvington Township, NJ 07111 United States

EX29019

Trademark and/or Tradename: "KIRMARY" , 

Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Exposed Type, Model(s): KM100

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Model KM100

File Number: EX29019

COMPANY

Kirmary International LLC
91 Linden Ave
Irvington Township, NJ 07111 United States

MODEL INFO

KM100
Exposed Type

PRODUCT INFORMATION				
Pattern	Size, in.	Inlet End Type	Outlet End Type	Rated Pressure, psig (kPa)
Straightway	2-1/2 x 2-1/2 x 4	NST	NPT	300 (2070)



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KM200

Product Description

Model No	Nominal Pipe Size		K-Factor	Rated Working Pressure		Remarks
	in	(mm)		psi	(kPa)	
Model KM200	1	(25)	5.6	300	(2065)	a, b, c
Model KM200	1 1/4	(32)	5.6	300	(2065)	a, c
Model KM200	1 1/2	(40)	5.6	300	(2065)	a, c
Model KM200	2	(50)	5.6	300	(2065)	a, b, c

- Remarks:**
- a. Available with female NPT connections.
 - b. Available with grooved connections.
 - c. Available with female threaded BSP connections.

Details

Category	Sprinkler System Alarm Testers
Class of Work	1625 - Branch Line Testers
Approval Standard	FM 1625 - Sprinkler System Alarm Test Devices
Certification Type	FM Approved
Listing Country	United States of America

Company

Kirmory International LLC
91 Linden Ave, Irvington
Township , New Jersey 07111
United States of America
<http://kirmory.com>

Approvals

Additional Info

Automatic Sprinkler Systems

Sprinkler System Alarm Testers

Each separate sprinkler system must be equipped with a separate waterflow alarm. In a high rise building, the system for each floor must be separately alarmed. Where pressure reducing valves are used, a dual alarm and drain piping arrangement is required. The alarm testers listed below combine test and drain valves, a waterflow sight glass, and a calibrated flow orifice in a single assembly to simplify the piping required for such arrangements.

Drain Fittings, Special Type

COMPANY

Kirmary International LLC

91 Linden Ave

Irvington Township, NJ 07111 United States

EX29017

Trademark and/or Tradename: "KIRMARY" , 

Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Model(s): [KM200](#)

Last Updated on 2025-04-27

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Model KM200

File Number: EX29017

COMPANY

Kirmary International LLC
91 Linden Ave
Irvington Township, NJ 07111 United States

MODEL INFO

KM200

PRODUCT INFORMATION		
Size, in.	Nominal K-Factor, gpm/v(psi) [L/min/v(kPa)]	Rated Pressure, psi (kPa)
1	5.6 (8)	300 (2070)
1-1/4	5.6 (8)	300 (2070)
1-1/2	5.6 (8)	300 (2070)
2	5.6 (8)	300 (2070)

Report Date: 2023-04-10

Revision Date: 2025-04-25



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Valves | Quick Opening Ball Valves | Quick Opening Valves

KM250

Product Description

Model No	Description	Valve Size		Rated Working Pressure		Remarks
		in	(mm)	psi	(kPa)	
KM250	Brass Ball Valve	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	(15, 20, 25, 32, 40, 50)	300	(2065)	a

Remarks:
a. Valve supplied with female NPT end connections .
b. Valve supplied with soldered end connections.

Details

Category	Quick Opening Valves
Class of Work	1140 - Valves (QOT), Ball
Approval Standard	FM 1140 - Quick Opening Valves 1/4 Inch Through 2 Inch Nominal Size
Certification Type	FM Approved
Listing Country	United States of America

Company

Kirmary International LLC
91 Linden Ave, Irvington
Township , New Jersey 07111
United States of America
<http://kirmary.com>



Additional Info

Automatic Sprinkler Systems

Valves

Miscellaneous Valves

Quick Opening Valves

Manually operated ball valves are used to control water to small open-head extinguishing systems or in the trim on waterflow alarm valves, dry pipe valves or automatic water control valves.

The friction loss through these valves should be considered when they are used in hydraulically calculated extinguishing systems. Consult the manufacturer for details. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.

Valves, Trim and Drain

COMPANY

Kirmary International LLC

91 Linden Ave

Irvington Township, NJ 07111 United States

EX29018

Trademark and/or Tradename: "KIRMARY" , 

Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

3-Way Globe, Model(s): [KM150](#)

Ball, Model(s): [KM250](#)

Last Updated on 2025-04-27

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Model KM250

File Number: EX29018

COMPANY

Kirmary International LLC
91 Linden Ave
Irvington Township, NJ 07111 United States

MODEL INFO

KM250
Ball

ATTRIBUTES AND RATINGS	
Size, in. (mm)	Rated Pressure, psig (kPa)
1/4 (6.4), 3/8 (9.5), 1/2 (12.7), 3/4 (19.1), 1 (25.4), 1-1/4 (31.8), 1-1/2 (38.1)	600 (4136)
2 (50.8)	300 (2068)

Report Date: 2023-04-04

Revision Date: 2025-04-25



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Model KM150

File Number: EX29018

COMPANY

Kirmary International LLC
91 Linden Ave
Irvington Township, NJ 07111 United States

MODEL INFO

KM150
3-Way Globe

ATTRIBUTES AND RATINGS	
Size, in. (mm)	Rated Pressure, psig (kPa)
1/4 (6.4)	600 (4136)

Report Date: 2023-04-04

Revision Date: 2025-04-25



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This certifies that

KIRMARY INTERNATIONAL LLC

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

KM10 RANGE OF GATE VALVES

(FOR MODELS AND SIZES COVERED BY THE SCOPE OF THIS APPROVAL PLEASE CONSULT THE WRAS ONLINE DIRECTORY AND/OR ACCOMPANYING WRAS APPROVAL LETTER)

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

July 2025

Certificate No.

2007401

A handwritten signature in blue ink, appearing to read 'Ian Hughes', with a long horizontal flourish extending to the right.

Ian Hughes,
WRAS Approvals Manager





17th January 2024

KIRMARY INTERNATIONAL LLC
91 LINDEN AVE IRVINGTON
TOWNSHIP, NEW JERSEY 07111,
United States

Water Regulations Approval Scheme
Ltd.
Unit 13, Willow Road,
Pen y Fan Industrial Estate,
Crumlin,
Gwent,
NP11 4EG

Approval Number 2007401

Dear Sir/Madam

Production samples of the products described in the **Approval Information** section below ("Products"), have been subjected to the relevant mechanical and water quality tests as defined in Regulation 4 (2) and Schedule 2 to demonstrate a product is of an **appropriate quality or standard** for the purposes of a WRAS Approval application.

1. After considering the test reports and examining the Product/s, The Water Regulations Approval Scheme Ltd. ("WRAS Ltd" / "WRAS") finds that:

The product is of an appropriate quality and standard as defined in The Water Supply (Water Fittings) Regulations 1999, The Water Supply (Water Fittings) (Scotland) Byelaws 2014, The Water Supply (Water Fittings) Regulations (Northern Ireland) 2009 and all other applicable WRAS requirements,

The non-metallic materials of construction, in contact with the water, are suitable for contact with wholesome water intended for domestic purposes having met the requirements of BS 6920-1: 2014 'Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water'.

2. WRAS Approvals are granted subject to, and in accordance with, the Standard Terms and Conditions of WRAS Approvals Schemes (WRAS.Cust-401) as amended from time to time ("Standard Terms of Approval").

You have confirmed your acceptance of the Standard Terms of Approval by submitting your application for WRAS Approval. A copy of the current Standard Terms of Approval are available from the [WRAS website](#).

Terms defined in the Standard Terms of Approval shall have the same meaning in this letter unless the context otherwise requires.

3. Installation Requirements & Notes (IRNs) are set out in Appendix A. A Product only qualifies for Approval if WRAS is satisfied that the relevant Product complies with Regulation 4(1)(a) and the requirements of the Scheme when installed in accordance with the manufacturer's instructions and any applicable Approval Scheme Installation Requirements and Notes.

Since the incorrect installation of Products will not be within the scope of an approval and may result in contravention of the Regulations or Byelaws requirements, **the attention of your customers should be drawn to any IRNs applied.**

4. Please note that the use of the Products described in any particular area of supply is at the discretion of the Water Company (water undertaker) in that area.
5. Approval Holders may quote in their sales literature that their product is WRAS approved. A WRAS product approval demonstrates that a water fitting is of a suitable quality and standard, provided that it meets the requirements of the Scheme when installed in accordance with the manufacturer's instructions and any applicable Approval Scheme Installation Requirements and Notes
6. The "WRAS Approved Product" logos are certification marks registered under the Trade Marks Act 1994 ("Certification Marks"). Approval Holders may use the Certification Marks in accordance with the Standard Terms of Approval.
7. Please verify the details of your Product as set out in the approval information and advise us of any discrepancies by no later than **17th February 2024**.

Yours Faithfully

Ian Hughes
WRAS Approvals Manager



This certifies that

KIRMARY INTERNATIONAL LLC

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

KM700 VALVES

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

December 2028

Certificate No.

2312078

A handwritten signature in blue ink, appearing to read 'Ian Hughes', with a long horizontal flourish extending to the right.

Ian Hughes,
WRAS Approvals Manager





17th January 2024

KIRMARY INTERNATIONAL LLC
91 LINDEN AVE IRVINGTON
TOWNSHIP, NEW JERSEY 07111,
United States

Water Regulations Approval Scheme
Ltd.
Unit 13, Willow Road,
Pen y Fan Industrial Estate,
Crumlin,
Gwent,
NP11 4EG

Approval Number 2312078

Dear Sir/Madam

Production samples of the products described in the **Approval Information** section below ("Products"), have been subjected to the relevant mechanical and water quality tests as defined in Regulation 4 (2) and Schedule 2 to demonstrate a product is of an **appropriate quality or standard** for the purposes of a WRAS Approval application.

1. After considering the test reports and examining the Product/s, The Water Regulations Approval Scheme Ltd. ("WRAS Ltd" / "WRAS") finds that:

The product is of an appropriate quality and standard as defined in The Water Supply (Water Fittings) Regulations 1999, The Water Supply (Water Fittings) (Scotland) Byelaws 2014, The Water Supply (Water Fittings) Regulations (Northern Ireland) 2009 and all other applicable WRAS requirements,

The non-metallic materials of construction, in contact with the water, are suitable for contact with wholesome water intended for domestic purposes having met the requirements of BS 6920-1: 2014 'Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water'.

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Since the incorrect installation of Products will not be within the scope of an approval and may result in contravention of the Regulations or Byelaws requirements, **the attention of your customers should be drawn to any IRNs applied.**

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6. The "WRAS Approved Product" logos are certification marks registered under the Trade Marks Act 1994 ("Certification Marks"). Approval Holders may use the Certification Marks in accordance with the Standard Terms of Approval.
7. Please verify the details of your Product as set out in the approval information and advise us of any discrepancies by no later than **17th February 2024**.

Yours Faithfully

Ian Hughes
WRAS Approvals Manager



This certifies that

KIRMARY INTERNATIONAL LLC

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

KM20 RANGE OF STRAINERS

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

October 2025

Certificate No.

2010115

A handwritten signature in blue ink, appearing to read 'Ian Hughes', with a long horizontal flourish extending to the right.

Ian Hughes,
WRAS Approvals Manager





17th January 2024

KIRMARY INTERNATIONAL LLC
91 LINDEN AVE IRVINGTON
TOWNSHIP, NEW JERSEY 07111,
United States

Water Regulations Approval Scheme
Ltd.
Unit 13, Willow Road,
Pen y Fan Industrial Estate,
Crumlin,
Gwent,
NP11 4EG

Approval Number 2010115

Dear Sir/Madam

Production samples of the products described in the **Approval Information** section below ("Products"), have been subjected to the relevant mechanical and water quality tests as defined in Regulation 4 (2) and Schedule 2 to demonstrate a product is of an **appropriate quality or standard** for the purposes of a WRAS Approval application.

1. After considering the test reports and examining the Product/s, The Water Regulations Approval Scheme Ltd. ("WRAS Ltd" / "WRAS") finds that:

The product is of an appropriate quality and standard as defined in The Water Supply (Water Fittings) Regulations 1999, The Water Supply (Water Fittings) (Scotland) Byelaws 2014, The Water Supply (Water Fittings) Regulations (Northern Ireland) 2009 and all other applicable WRAS requirements,

The non-metallic materials of construction, in contact with the water, are suitable for contact with wholesome water intended for domestic purposes having met the requirements of BS 6920-1: 2014 'Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water'.

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4. Please note that the use of the Products described in any particular area of supply is at the discretion of the Water Company (water undertaker) in that area.
5. Approval Holders may quote in their sales literature that their product is WRAS approved. A WRAS product approval demonstrates that a water fitting is of a suitable quality and standard, provided that it meets the requirements of the Scheme when installed in accordance with the manufacturer's instructions and any applicable Approval Scheme Installation Requirements and Notes
6. The "WRAS Approved Product" logos are certification marks registered under the Trade Marks Act 1994 ("Certification Marks"). Approval Holders may use the Certification Marks in accordance with the Standard Terms of Approval.
7. Please verify the details of your Product as set out in the approval information and advise us of any discrepancies by no later than **17th February 2024**.

Yours Faithfully

Ian Hughes
WRAS Approvals Manager

Electrical Signaling

Electrical protective signaling systems are configurations of components used to produce alarm signals indicative of fire, smoke, sprinkler waterflow or other emergency and to produce supervisory signals indicative of conditions needing attention with respect to protection equipment or watch service. System configurations are classified according to where and how the signals are received. The categories are commonly designated as local, municipal, remote station, proprietary, emergency voice/alarm communication, emergency communication, and central station. Auxiliary systems are either local or proprietary systems interconnected with a municipal system.

This category presents the major system component categories and the integrated system configurations. The selection of components to form a hybrid system should be made only by those skilled in system design. Also, the suitability of any system application should be judged on the basis of the hazard(s) being protected.

Supervisory Signal Initiating Devices

Supervisory signals indicate non-alarm conditions affecting important parts of a protection system or timed watchman tours. Normal/abnormal functions are monitored by these switches and switch-actuated transmitters.

Sprinkler System Supervision – Standard Security

Examples of sprinkler supervisory functions are control valve position, tank pressure, tank level, tank temperature, air pressure, fire pump power and fire pump operation.

Models OSYS-B, OSYSU-1, OSYSU-2

Gate Valve Switch. Models OSYS-B, OSYSU-1, OSYSU-2. For supervising open position of an OS&Y type gate valve. Contacts are rated for 15 A at 125/250 V ac and 2.5 A at 0-30 V dc. For indoor or outdoor (NEMA 4) use in ambient temperatures of -40° to 140°F (-40° to 60°C).

Company Name:	Potter Electric Signal Company
Company Address:	1609 Park 370 Place, Hazelwood, Missouri 63042, USA
Company Website:	http://pottersignal.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Certification Type:	FM Approved

USQT7.S309 - Extinguishing System Attachments Certified for Canada

Extinguishing System Attachments Certified for Canada

POTTER ELECTRIC SIGNAL CO L L C

1609 PARK 370 PL

HAZELWOOD, MO 63042-4417 United States

S309

Supervisory signal initiating devices, valve supervisory switches, Models PTS-B, PTS-C plug type switches-special applications. Models BVS-1", -3/4", -1/2" Supervised trim valves..

Model RBVS Retro-fit Ball Valve Supervisory Switch.

Supervisory Water Temperature devices, Models TTS-W, TTS-W for steel or wood tanks, indoor or outdoor use.

Supervisory Air Temperature devices, Models RTS-C, RTS-O, for indoor use.

Water supply valve position signals, Models PCVS-1 and PCVS-2, Contact rating: 10.0A at 125/250 V ac, 2.0 A at 30VDC Resistive, 10 mA minimum at 24 VDC 15 A; **Models OSYSU-1 and OSYSU-2,** Contact rating: 10.0A at 125/250 V ac, 2.0 A at 30VDC Resistive, 10 mA minimum at 24 VDC; Model PTS-B, Contact rating: 28 V ac-dc, 0.25 A; Model PMS, Contact rating: 24 V ac-dc, 0.15 A; 120 V dc, 0.1 A.

Wet-pipe sprinkler system attachments, Waterflow indicators (vane type), Models VS-SP, VS-SPB, VSR-F, Contact rating: 125/250 V ac, 15 A; 125 V dc, 0.5 A; 250 V dc, 0.25 A; Model VSR-SF, Contact rating: 125/250 V ac, 10 A, 0-30 V dc, 2 A.

SPRINKLER SYSTEM ALARM INITIATING DEVICES DRY-PIPE & WET-PIPE, PRESSURE TYPE

Model	Oper Pressure psig	Max System Pressure psig
PS-10	0-20	300
PS-10A	4-8	300
PS10-1	4-15	300
PS10-1A	4-20	250
PS10-2	4-15	300
PS10-2A	4-20	250
PS10-1 w/Brass Bushing	4-15	300
PS10-2 w/Brass Bushing	4-15	300
PS-100	20-225	300
PS-100A	20-175	300
PS100-2	25-175	300
PS100-2A	20-225	300
WFS-B	10	250
WFSPDB	100	250

WFSR-F	4-8	175
QRS	10-65	175

**SUPERVISORY SIGNAL INITIATING DEVICES
PRESSURE DEVICES**

Model	Oper Pressure psig	Max System Pressure psig
PS-40	20-225	300
PS15-2	5-30	300
PS-40A	20-175	300
PS40-1	10-60	300
PS40-1A	20-175	300
PS40-2A	20-175	300
PS25-2	10-60	300
PS40-2	10-60	300
PS40-1 w/Brass Bushing	10-60	300
PS40-2 w/Brass Bushing	10-60	300
HLS-B	40	250
PS-120	20-225	300
PS-120A	20-175	300
PS120-1	25-175	300
PS120-1A	20-175	300
PS120-2	25-175	300
PS120-2A	20-175	300
PS120-1 w/Brass Bushing	35-225	300
PS120-2 w/Brass Bushing	35-225	300
EPS10EXP	4-20	250
EPS40EXP	10-100	250
EPS120EXP	10-200	250
EPS10-1	4-20	300
EPS10-2	4-20	300
EPS120-1	10-200	300
EPS120-2	10-200	300

Sprinkler System Alarm initiating Devices Wet pipe, Paddle Type

Model	Size In.	Pipe Schedule	Max System Pressure psig
--------------	---------------------	--------------------------	-------------------------------------

VSR-SFG, VSR-SFT, VSR-ST, VSR-SG	1, 1-1/4, 1-1/2, 2	Listed Plastic	250
VSR-F, VSR-FE, VSR-FE-2, VS-F	2, 2-1/2, 3,	10-40	450
	3-1/2, 4, 5,	Steel	
VSR-S, VSR-S (EU)	1, 1-1/4, 1-1/2, 2	10-40 Steel	300
		Listed Plastic	
		K, L, M Copper	
VSR-SF, VS-SP, VS-SPB	1, 1-1/4, 1-1/2, 2	10-40 Steel	250
		Listed Plastic	
		K, L, M Copper	
VSR-CF, VSR-C	2, 2-1/2, 3,	Listed Plastic	175
	2, 2-1/2, 3, 4	K, L, M Copper	
VSR, VSR-CR	2, 2-1/2, 3, 3-1/2,	10-40 Steel	450
	4, 5, 6, 8, 10		
VSR-AT	2, 2-1/2, 3, 3-1/2,	10-40 Steel	450
	4, 5, 6, 8		
VSR-EU	2, 2-1/2, 3, 4, 5, 6, 8	10-40 Steel	450
VSG	2, 2-1/2, 3, 4	Water Mist	450
WFD20EXP	2	10-40 Steel	450
WFD25EXP	2.5	10-40 Steel	450
WFD30-2EXP	3	10-40 Steel	450
WFD35EXP	3.5	10-40 Steel	450
WFD40EXP	4	10-40 Steel	450
WFD50EXP	5	10-40 Steel	450
WFD60EXP	6	10-40 Steel	450
WFD80EXP	8	10-40 Steel	450

Wet-pipe sprinkler system attachments: Water-flow indicators (paddle type), suitable for indoor and outdoor installation shipped without "U" bolts and nuts to Victaulic customer. Models may be single or bulk-packaged. The packing cartons will also include the assigned Victaulic Part Code on the exterior.

Model WFD20VN with Victaulic Part Code CXS020747020.

Model WFD25VN with Victaulic Part Code CXS024747022.

Model WFD30VN with Victaulic Part Code CSX030747N23.

Model WFD40VN with Victaulic Part Code CXS040747025.

Model WFD60VN with Victaulic Part Code CXS060747027.

Wet-pipe sprinkler system attachments: Water-flow indicators (paddle type):

Model	Size In.	Pipe Schedule	Max Working Pressure psig
WFD20VN	2	Victaulic Risers	450
WFD25VN	2-1/2	Victaulic Risers	450
WFD30VN	3	Victaulic Risers	450
WFD40VN	4	Victaulic Risers	450
WFD60VN	6	Victaulic Risers	450
WFD20N, WFD20NA	2	7, 10, 40	450
WFD25N, WFD25NA	2-1/2	7, 10, 40	450
WFD30N, WFD30NA	3	7, 10, 40	450
WFD40N, WFD40NA	4	7, 10, 40	450
WFD50N, WFD50NA	5	10, 40	450
WFD60N, WFD60NA	6	10, 40	450
WFD80N, WFD80NA	8	10, 40	450
WFDTN, WFDTNA, WFDTVN, WFDTNRN, RFDTHN	Threaded Brass or steel: 1, 1-1/4, 1-1/2, 2 Copper Sweat Tees: 1, 1-1/4, 1-1/2, 2 Tyco, Spears, Victaulic and NIBCO brand Chlorinated Polyvinyl Chloride: 1		375
WFDNFS, WFDNFSA	SPEARS brand Chlorinated Polyvinyl Chloride: 1, 1-1/4, 1-1/2, 2 NIBCO brand Chlorinated Polyvinyl Chloride: 1, 1-1/4, 1-1/2, 2 TYCO brand Chlorinated Polyvinyl Chloride: 1, 1-1/4, 1-1/2, 2 IPEX brand Chlorinated Polyvinyl Chloride: 1, 1-1/4, 1-1/2, 2		175
WFDNFT, WFDNFTA	Steel/Brass Threaded: 1, 1-1/4, 1-1/2, 2 Copper Sweat Tees: 1, 1-1/4, 1-1/2, 2 NIBCO brand Chlorinated Polyvinyl Chloride: 1 "CPVC SPEARS w/Metal Band": 1, 1-1/2 "CPVC SPEARS w/Brass Insert": 1 TYCO brand Chlorinated Polyvinyl Chloride: 1		175

The WFD Series waterflow indicators employ an enclosure that was evaluated for Type NEMA 4/IP 54 rating.

Model VS-SP, VS-SPB for outdoor use with Kit No. 1940037. Models VS-F, VSR-F, VSR-CF, VSR-C, VSR-FE, VSR-FE-2 for outdoor use with Kit No. 1940036.

Accessory, Cover Tamper Switch Kit, Model PSCTSK for use with the PS Series Pressure Switches.

Trademark and/or Tradename:  **Safe Signal™**

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Waterflow Detectors, Vane Type

Waterflow detectors installed in sprinkler systems provide an electrical alarm when a flow of water from the system equals or exceeds that of a single sprinkler. They can be used with either open or closed signaling circuits.

They may consist of a flexible vane which projects into the waterway or a pressure-sensing device. For the flexible vane type, water movement deflects the vane, and the motion is transmitted to an alarm-actuating switch after a predetermined time delay. The time delay is accomplished by the use of an instantly recycling retard.

Unless otherwise noted in the listing, the flexible vane type is to be used with pipe having an inside diameter which corresponds to Schedule 40 pipe for sizes up to and including 6 in. (152 mm) or Schedule 30 pipe for sizes 8 and 10 in. (203 and 254 mm).

Waterflow detectors should not be specified for those systems where the time duration of a pressure fluctuation is greater than the retard time. Instantly recycling retards will not transmit an electrical alarm until the time duration of the pressure fluctuation or waterflow past the vane of the flow detector has exceeded the predetermined time setting of 30-60 seconds. Unless otherwise noted in the listing, these detectors have 175 psi (1205 kPa) rated working pressure.

Models VS-F, VSR, VSR-F, VSR-FE, VSR-FEX, VSR-TSK

Model VSR, VSR-TSK, VSR-F, VS-F, VSR-FE-2, VSR-FEX, VSR-EU Certificate 3022784

Model VSR. 2 through 8 in. NPS. Furnished with two snap switches and pneumatic retard. 450 psi (3100 kPa) rated working pressure.

Model VSR-TSK. 2 through 6 in. NPS. Furnished with two snap switches and pneumatic retard, and a tamper switch to indicate that the cover was removed. 450 psi (3100 kPa) rated working pressure.

Model VSR-F. 2 through 8 in. NPS. Furnished with one or two snap switches and pneumatic retard. 450 psi (3105 kPa) rated working pressure.

Models VS-F, VSR-F. 2 through 5 in. NPS, for use with Schedule 10 pipe; 6 in. NPS, for use with pipe having a wall thickness of 0.134 in. (3 mm); 8 in. NPS (203 mm), for use with pipe having a wall thickness of 0.188 in. (5 mm), or Schedule 40 pipe. Model VSR-F. 2 through 8 in. NPS furnished with one or two snap switches and pneumatic retard. 450 psi (3105 kPa) rated working pressure.

Model VSR-FE-2. 2 through 5 in. NPS, for use with Schedule 10 pipe; 6 in. NPS, for use with pipe having a wall thickness of 0.134 in. (3 mm); 8 in. NPS, for use with pipe having a wall thickness of 0.188 in. (5 mm). All sizes also for use in Schedule 40 pipe. 450 psi (3105 kPa) rated working pressure. Furnished with electronic retard.

Model VSR-FEX. 2 through 8 in. NPS. For simultaneous usage as explosionproof for Class I, Division 1, Groups C and D; dust-ignitionproof for Class II/III, Division 1, Groups E, F and G hazardous (classified) locations indoors and outdoors (NEMA Type 4); 2 through 5 in. NPS, for use with Schedule 10 pipe; 6 in. NPS, for use with pipe having a wall thickness of 0.134 in. (3 mm); 8 in. NPS, for use with pipe having a wall thickness of 0.188 in. (5 mm). All sizes also for use in Schedule 40 pipe. 450 psi (3105 kPa) rated working pressure. Furnished with pneumatic retard.

Model VSR-EU. Sizes 2 through 8 in. NPS. Furnished with two snap switches and pneumatic retard. 450 psi (3100 kPa) rated working pressure.

Company Name:	Potter Electric Signal Company
Company Address:	1609 Park 370 Place, Hazelwood, Missouri 63042, USA
Company Website:	http://pottersignal.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Certification Type:	FM Approved
Class of Work:	1042-Waterflow Detectors(vane type)

USQT7.S309 - Extinguishing System Attachments Certified for Canada

Extinguishing System Attachments Certified for Canada

POTTER ELECTRIC SIGNAL CO L L C
1609 PARK 370 PL
HAZELWOOD, MO 63042-4417 United States

S309

Supervisory signal initiating devices, valve supervisory switches, Models PTS-B, PTS-C plug type switches-special applications. Models BVS-1", -3/4", -1/2" Supervised trim valves..

Model RBVS Retro-fit Ball Valve Supervisory Switch.

Supervisory Water Temperature devices, Models TTS-W, TTS-W for steel or wood tanks, indoor or outdoor use.

Supervisory Air Temperature devices, Models RTS-C, RTS-O, for indoor use.

Water supply valve position signals, Models PCVS-1 and PCVS-2, Contact rating: 10.0A at 125/250 V ac, 2.0 A at 30VDC Resistive, 10 mA minimum at 24 VDC 15 A; Models OSYSU-1 and OSYSU-2, Contact rating: 10.0A at 125/250 V ac, 2.0 A at 30VDC Resistive, 10 mA minimum at 24 VDC; Model PTS-B, Contact rating: 28 V ac-dc, 0.25 A; Model PMS, Contact rating: 24 V ac-dc, 0.15 A; 120 V dc, 0.1 A.

Wet-pipe sprinkler system attachments, Waterflow indicators (vane type), Models VS-SP, VS-SPB, VSR-F, Contact rating: 125/250 V ac, 15 A; 125 V dc, 0.5 A; 250 V dc, 0.25 A; Model VSR-SF, Contact rating: 125/250 V ac, 10 A, 0-30 V dc, 2 A.

SPRINKLER SYSTEM ALARM INITIATING DEVICES DRY-PIPE & WET-PIPE, PRESSURE TYPE

Model	Oper Pressure psig	Max System Pressure psig
PS-10	0-20	300
PS-10A	4-8	300
PS10-1	4-15	300
PS10-1A	4-20	250
PS10-2	4-15	300
PS10-2A	4-20	250
PS10-1 w/Brass Bushing	4-15	300
PS10-2 w/Brass Bushing	4-15	300
PS-100	20-225	300
PS-100A	20-175	300
PS100-2	25-175	300
PS100-2A	20-225	300

WFS-B	10	250
WFSPDB	100	250
WFSR-F	4-8	175
QRS	10-65	175

**SUPERVISORY SIGNAL INITIATING DEVICES
PRESSURE DEVICES**

Model	Oper Pressure psig	Max System Pressure psig
PS-40	20-225	300
PS15-2	5-30	300
PS-40A	20-175	300
PS40-1	10-60	300
PS40-1A	20-175	300
PS40-2A	20-175	300
PS25-2	10-60	300
PS40-2	10-60	300
PS40-1 w/Brass Bushing	10-60	300
PS40-2 w/Brass Bushing	10-60	300
HLS-B	40	250
PS-120	20-225	300
PS-120A	20-175	300
PS120-1	25-175	300
PS120-1A	20-175	300
PS120-2	25-175	300
PS120-2A	20-175	300
PS120-1 w/Brass Bushing	35-225	300
PS120-2 w/Brass Bushing	35-225	300
EPS10EXP	4-20	250
EPS40EXP	10-100	250
EPS120EXP	10-200	250
EPS10-1	4-20	300
EPS10-2	4-20	300

EPS120-1	10-200	300
EPS120-2	10-200	300

Sprinkler System Alarm initiating Devices Wet pipe, Paddle Type

Model	Size In.	Pipe Schedule	Max System Pressure psig
VSR-SFG, VSR-SFT, VSR-ST, VSR-SG	1, 1-1/4, 1-1/2, 2	Listed Plastic	250
VSR-F, VSR-FE, VSR-FE-2, VS-F	2, 2-1/2, 3,	10-40	450
	3-1/2, 4, 5,	Steel	
VSR-S, VSR-S (EU)	1, 1-1/4, 1-1/2, 2	10-40 Steel	300
		Listed Plastic	
		K, L, M Copper	
VSR-SF, VS-SP, VS-SPB	1, 1-1/4, 1-1/2, 2	10-40 Steel	250
		Listed Plastic	
		K, L, M Copper	
VSR-CF, VSR-C	2, 2-1/2, 3,	Listed Plastic	175
	2, 2-1/2, 3, 4	K, L, M Copper	
VSR, VSR-CR	2, 2-1/2, 3, 3-1/2,	10-40 Steel	450
	4, 5, 6, 8, 10		
VSR-AT	2, 2-1/2, 3, 3-1/2,	10-40 Steel	450
	4, 5, 6, 8		
VSR-EU	2, 2-1/2, 3, 4, 5, 6, 8	10-40 Steel	450
VSG	2, 2-1/2, 3, 4	Water Mist	450
WFD20EXP	2	10-40 Steel	450
WFD25EXP	2.5	10-40 Steel	450
WFD30-2EXP	3	10-40 Steel	450
WFD35EXP	3.5	10-40 Steel	450
WFD40EXP	4	10-40 Steel	450
WFD50EXP	5	10-40 Steel	450
WFD60EXP	6	10-40 Steel	450
WFD80EXP	8	10-40 Steel	450

Wet-pipe sprinkler system attachments: Water-flow indicators (paddle type), suitable for indoor and outdoor installation shipped without "U" bolts and nuts to Victaulic customer. Models may be single or bulk-packaged. The packing cartons will also include the assigned Victaulic Part Code on the exterior.

Model WFD20VN with Victaulic Part Code CXS020747020.

Model WFD25VN with Victaulic Part Code CXS024747022.

Model WFD30VN with Victaulic Part Code CSX030747N23.

Model WFD40VN with Victaulic Part Code CXS040747025.

Model WFD60VN with Victaulic Part Code CXS060747027.

Wet-pipe sprinkler system attachments: Water-flow indicators (paddle type):

Model	Size In.	Pipe Schedule	Max Working Pressure psig
WFD20VN	2	Victaulic Risers	450
WFD25VN	2-1/2	Victaulic Risers	450
WFD30VN	3	Victaulic Risers	450
WFD40VN	4	Victaulic Risers	450
WFD60VN	6	Victaulic Risers	450
WFD20N, WFD20NA	2	7, 10, 40	450
WFD25N, WFD25NA	2-1/2	7, 10, 40	450
WFD30N, WFD30NA	3	7, 10, 40	450
WFD40N, WFD40NA	4	7, 10, 40	450
WFD50N, WFD50NA	5	10, 40	450
WFD60N, WFD60NA	6	10, 40	450
WFD80N, WFD80NA	8	10, 40	450
WFDTN, WFDTNA, WFDTVN, WFDNTRN, RFDTHN	Threaded Brass or steel: 1, 1-1/4, 1-1/2, 2 Copper Sweat Tees: 1, 1-1/4, 1-1/2, 2 Tyco, Spears, Victaulic and NIBCO brand Chlorinated Polyvinyl Chloride: 1		375
WFDNFS, WFDNFSA	SPEARS brand Chlorinated Polyvinyl Chloride: 1, 1-1/4, 1-1/2, 2 NIBCO brand Chlorinated Polyvinyl Chloride: 1, 1-1/4, 1-1/2, 2 TYCO brand Chlorinated Polyvinyl Chloride: 1, 1-1/4, 1-1/2, 2 IPEX brand Chlorinated Polyvinyl Chloride: 1, 1-1/4, 1-1/2, 2		175
WFDNFT, WFDNFTA	Steel/Brass Threaded: 1, 1-1/4, 1-1/2, 2 Copper Sweat Tees: 1, 1-1/4, 1-1/2, 2 NIBCO brand Chlorinated Polyvinyl Chloride: 1 "CPVC SPEARS w/Metal Band": 1, 1-1/2 "CPVC SPEARS w/Brass Insert": 1 TYCO brand Chlorinated Polyvinyl Chloride: 1		175

The WFD Series waterflow indicators employ an enclosure that was evaluated for Type NEMA 4/IP 54 rating.

Model VS-SP, VS-SPB for outdoor use with Kit No. 1940037. Models VS-F, VSR-F, VSR-CF, VSR-C, VSR-FE, VSR-FE-2 for outdoor use with Kit No. 1940036.

Accessory, Cover Tamper Switch Kit, Model PSCTSK for use with the PS Series Pressure Switches.

Trademark and/or Tradename:  **Safe Signal™**

Last Updated on 2021-07-01

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Pressure Gauges

Gauges for sprinkler systems and fire pumps are designed for use with air or water. These gauges are usually of the Bourdon tube type. The moving parts are fabricated of appropriate corrosion-resistant materials.

When installed on the air side of a dry pipe system, a retard type gauge may be used. This gauge is assembled with a tube appropriate to the unretarded pressure range of the gauge and is provided with a spring to resist the full scale load.

The two common sizes are 4 1/2 and 3 1/2 in. diameter. These gauges can be calibrated with a hydraulic testing unit by adjusting the dial pointer to read correctly at known pressures. Accuracy requirements are that the gauge be correct within 2% over the center third of its scale and within 3% over the remaining two-thirds. Dial marking subdivisions correspond to the maximum accuracy of the gauge.

For service on fire pumps where the suction may be taken under a lift, compound pressure vacuum gauges are available graduated in pressure units over both the pressure and vacuum scales, and are designed not to be injured by vacuum.

To minimize possible damage and provide maximum accuracy, gauges should be selected with scales of about twice the maximum system pressure.

Model PFE pressure gauge

Air or Water Pressure Gauge - Model PFE Series, 3-1/2 in. (89 mm) size, Plastic Case

- 0 to 80 to 250 psi (0 to 550 to 1750 kPa) Retard Pressure Gauge
- 0 to 300 psi (0 to 2000 kPa)

This gauge has a 1/4 in. male NPT bottom connection.

Company Name:	WINTERS INSTRUMENTS
Company Address:	121 Railside Rd , Toronto, Ontario M3A 1B2, CAN
Company Website:	http://winters.com
New/Updated Product Listing:	No
Listing Country:	Canada
Certification Type:	FM Approved
Class of Work:	

VEVX7.EX16217 - Gauges, Pressure Certified for Canada

Gauges, Pressure Certified for Canada

See General Information for Gauges, Pressure Certified for Canada

WINTERS INSTRUMENTS

EX16217

121 RAILSIDE RD

TORONTO, ON M3A 1B2 CANADA

Bourdon spring (tube) type, Models PFE3935, PFE3935R1, PFE3932, PFE3932R1, PFE3933, PFE3933R1, PFE3932R1R3, PFE3932R1R11, PFE3933R1R3, PFE3933R1R11, PFE3935R1R3, PFE3935R1R11, PFE3933R1R11T2-LIFECO, PFE3935R1R11T2-LIFECO, bourdon tube type gauge in 90 mm size with dial graduations of 0-2000 kpa (0-300 psi.) Models PFE3935, PFE3935R1, PFE3932, PFE3932R1, PFE3933, PFE3933R1, PFE3932R1R3, PFE3932R1R11, PFE3933R1R3, PFE3933R1R11, PFE3935R1R3, PFE3935R1R11, PFE3933R1R11T2-LIFECO, PFE3935R1R11T2-LIFECO, bourdon tube type gauge in 90 mm size with dial graduations of 0-550 kpa (0-80 psi) retarded to 1700 kpa (250 psi.).

Trademark and/or Tradename:



Last Updated on 2019-08-28

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Test Certificates

نتائج اختبار الضغط طبقاً للمواصفة المصرية رقم ٩٧١
على عينة محبس حريق ٤ بوصة

OS&Y Gate Valve- Flanged End (Model / KM 800) – KIRMARY brand- UL/FM

OS&Y Gate Valve- Grooved End (Model / KM 850) – KIRMARY brand- UL/FM

والوارد من شركة كيرماري للتوريدات الهندسية والاستيراد والتصدير والتوكيلات التجارية



المحبس المختبر (قطر ٤ بوصة)	الضغط المطلوب	ضغط الاختبار	زمن الاختبار (ثانية)	ملاحظات
المحبس مغلق	25 bar	28 bar	60	اجتازت
المحبس مفتوح		32 bar	60	اجتازت

الاختبار الهيدروليكي (وفقاً للمواصفات القياسية EN 12266) في درجة حرارة الغرفة ٢٢ درجة مئوية لمدة ساعة

واحدة:

تم تعريض المحبس لضغط ٢٨ بار (خلال مدة الاختبار لمدة ساعة واحدة، لم يلاحظ أي شقوق أو تسريب أو أي ضرر بشكل كامل).

ملحوظة:

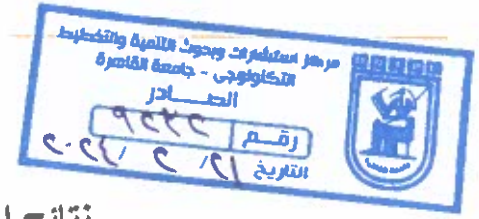
هذه النتائج لا تمثل إلا العينات التي تم اختبارها وتوريدها بمعرفة العميل وأي تمثيل لعينات أخرى مسؤولية العميل

الباحث الرئيسي

محمد زكي عبده

١٠٠ محمد زكي عبده





نتائج اختبار الضغط طبقاً للمواصفة المصرية رقم ٩٧١
على عينة محبس حريق ٤ بوصة

Check Valve- Flanged End (Model / KM 900) – KIRMARY brand- UL/FM

Check Valve- Grooved End (Model / KM 950) – KIRMARY brand- UL/FM

والوارد من شركة كيرمارى للتوريدات الهندسية والاستيراد والتصدير والتوكيلات التجارية



الاختبار الهيدروليكي (وفقاً للمواصفات القياسية EN 12266) في درجة حرارة الغرفة ٢٢ درجة مئوية لمدة ساعة

واحدة:

تم تعريض المحبس لضغط ٢٨ بار (خلال مدة الاختبار لمدة ساعة واحدة، لم يلاحظ أي شقوق أو تسريب أو أي ضرر بشكل كامل).

ملحوظة:

هذه النتائج لا تمثل إلا العينات التي تم اختبارها وتوريدها بمعرفة العميل وأى تمثيل لعينات أخرى مسئولية العميل



Civil Defense Approval



عينة مبدئية

للتتركيب بمشروع

شهادة فحص : محابس شبكة حريق



0000760

الجهة الطالبة : شركة كبر ماري للتوريدات الخاصة بأعمال الحريق بناء على تقرير اللجنة الفنية المنعقدة بديوان الإدارة رقم : () المحرر بتاريخ : / /

م	اسم المُعدة TYPE OF PRODUCTS	الاسم التجاري Brand Name	الطراز Model	بلد الصنع Place of Origin	اسم المعمل الصادر منه الشهادة Name of Certification Body	رقم الشهادة Certification Number	ملاحظات Remarks
١	محابس بوابة os&y GATE VALVE	kirmary	KM 800 KM 850	الولايات المتحدة الأمريكية	UL/FM	EX 29165	
٢	محابس اختبار CHECK VALVE	kirmary	KM 900	الولايات المتحدة الأمريكية	UL/FM	EX 29166	
٣	محابس NRS	kirmary	KM 950	الولايات المتحدة الأمريكية	UL / FM	EX 29165	
٤	حنفية حريق قطر ٢,٥ بوصة Angle Hose valve	kirmary	KM 104	الولايات المتحدة الأمريكية	UL/FM	EX 29020	
٥	الوصلة السيامية fire connection	kirmary	KM 300	الولايات المتحدة الأمريكية	UL/FM	EX 29019	
٦	محابس الصيانة اختبار وتصريف	kirmary	KM 100	الولايات المتحدة الأمريكية	UL/FM	EX 29017	
٧	Test and Drain valve محابس Ball Valve	kirmary	KM 200 KM 250	الولايات المتحدة الأمريكية	UL/FM	EX 29018	
٨	محابس ذات تاره	kirmary	KM 150	الولايات المتحدة الأمريكية	UL/EM	EX 29018	

ملاحظات خاصة بالمشروع : قبول الاصناف المشار اليها بحالة "عينة مبدئية فقط لكون التركيب باى مشروع" على ان يتم تقديم الكاتالوجات الفنية وشهادات الاعتماد والعينات وشهادة المنشأ لكل محبس على ان يكون موضع على كل عينة بلد المنشأ والاعتمادات الحاصلة عليها

- أى كشط أو تعديل فى هذا المحرر يفقد صلاحيته ويعرض صاحبه للمسؤولية الجنائية والقانونية ولا يعتمد بالشهادة بدون التقرير المرفق وهو سارية للمشروع الموضح باعلاه فقط ويكتم إعادة المحرر لى مشروع آخر.
- صدرت هذه الشهادة بناء على التقارير والشهادات المقدمة وفى حالة وجود أى تلاعب بتلك الأوراق أو انتهاء فترة سريانها تصبح فى حكم اللاغية.

يعد مد

محرر الشهادة

مدير الإدارة العامة للحماية المدنية

المواءم

التميز

تحريرا فى : / /

السادة/ شركة كير ماري للتوريدات الهندسية

تحية طيبة ... وبعد،،،

تهدى الإدارة العامة للحماية المدنية أطيب تحياتها لسيادتكم مقرونة بأسمى آيات التقدير
إيماء لكتاب سيادتكم الوارد للإدارة بتاريخ ٢٠٢٤/٨/٢٩ بشأن طلب فحص وإعتماد معدات
شبكة الحريق (محابس) كعينة فحص مبدئية والمقدمة من شركة KIRMARY
نتشرف بأن نرسل لسيادتكم تقرير اللجنة الفنية المشكلة فى هذا الشأن.
وتفضلوا بقبول وافر الإحترام والتقدير،،،،



٢٠٢٤/٩/١
توقيع: [Signature]

هازم فاروق عبدالكريم

مدير الإدارة العامة للحماية المدنية

تقرير

إيماء لكتاب شركة كيرمارى للتوريدات الهندسية الوارد للإدارة بتاريخ ٢٠٢٤/٨/٢٩ بشأن طلب فحص وإعتماد معدات شبكة الحريق (محابس) كعينة فحص مبدئية والمقدمة من شركة KIRMARY.

وبناء على تعليمات السيد اللواء / وكيل الادارة العامة للحماية المدنية للإطفاء بتشكيل لجنة فنية من إدارة هندسة الوقاية من أخطار الحريق لفحص المعدات المشار إليها بعالية ، برئاسة السيد العميد مهندس /أحمد حسن خطاب – مدير إدارة هندسة الوقاية من أخطار الحريق وعضوية كلا من :-

- مقدم مهندس/ أحمد مجدى عبدالرؤوف
 - راند مهندس/ مينا رضا فهيم
 - نقيب كيميائى/ منار دياب
 - نقيب مهندس/ عبد الشكور غريب
 - إدارة هندسة الوقاية
 - إدارة هندسة الوقاية
 - إدارة هندسة الوقاية
 - إدارة هندسة الوقاية
- وذلك لفحص المعدات المشار إليها بعالية

الفحص :-

١. بالنسبة لمحابس البوابة (Gate Valve OS&Y)

- مقدم كتالوجات لمحابس بوابة Gate Valve OS&Y ماركة كيرمارى أنواع Flanged (End – Grooved End) طرازات KM800 – KM850 قطر ٢,٥ بوصة وتعمل تحت ضغط 300 PSI .

- مقدم شهادة من معمل UL برقم EX29165 تفيد مطابقة المحابس بالطرازات والأقطار المشار إليها بعالية للمواصفات الأمريكية.

- مقدم شهادة من معمل FM برقم PR467295 تفيد بإعتماد المحابس بالطرازات والأقطار المشار إليها بعالية.

***الصنف مقبول من الناحية الفنية.

٢. بالنسبة لمحابس الاختبار (Check Valve)

- مقدم كتالوجات لمحابس (Check Valve) ماركة كيرمارى أنواع (– Flanged End Grooved End) طرازات KM900-KM950 قطر ٢,٥ بوصة وكذا تعمل تحت ضغط 300PSI .

- مقدم شهادة من معمل UL برقم EX29166 تفيد مطابقة المحابس بالطرازات والأقطار المشار إليها بعالية للمواصفات الأمريكية.

- مقدم شهادة من معمل FM برقم PR467295 تفيد بإعتماد المحابس بالطرازات والأقطار المشار إليها بعالية.

***الصنف مقبول من الناحية الفنية.



٣. بالنسبة لمحبس (NRS)

- مقدم كتالوج لمحبس (NRS) ماركة كيرماري طراز KM104-300 قطر ٦ بوصة وكذا يعمل تحت ضغط 300PSI .
 - مقدم شهادة من معمل UL برقم EX29165 تفيد مطابقة المحبس بالطرازات والأقطار المشار إليها بعلية للمواصفات الأمريكية.
 - مقدم شهادة من معمل FM برقم PR467295 تفيد بإعتماد المحبس بالطرازات والأقطار المشار إليها بعلية.
- ***الصنف مقبول من الناحية الفنية.**

٤. بالنسبة لحنفية حريق قطر ٢,٥ بوصة (Angle Hose Valve)

- مقدم كتالوج لحنفية حريق قطر ٢,٥ بوصة Angle Valve ماركة كيرماري طراز KM300 قطر ٢,٥ بوصة وكذا يعمل تحت ضغط 300PSI .
 - مقدم شهادة من معمل UL برقم EX29020 تفيد مطابقة الحنفية بالطرازات والأقطار المشار إليها بعلية للمواصفات الأمريكية.
 - مقدم شهادة من معمل FM برقم PR465870 تفيد بإعتماد المحبس بالطرازات والأقطار المشار إليها بعلية.
- ***الصنف مقبول من الناحية الفنية.**

٥. بالنسبة للوصلة السيامية (Fire Connection)

- مقدم كتالوج للوصلة السيامية ماركة كيرماري طراز KM100 أقطار (٤" - ٢,٥X٢") وكذا تعمل تحت ضغط 300PSI .
 - مقدم شهادة من معمل UL برقم EX29019 تفيد مطابقة الوصلة بالطرازات والأقطار المشار إليها بعلية للمواصفات الأمريكية.
 - مقدم شهادة من معمل FM برقم PR465870 تفيد بإعتماد الوصلة بالطرازات والأقطار المشار إليها بعلية.
- ***الصنف مقبول من الناحية الفنية.**



٦. بالنسبة لمحبس الصيانة (Test&Drain Valve)

- مقدم كتالوج لمحبس الإختبار (Test and Drain) ماركة كيرماري طراز KM200 قطر ١ بوصة وكذا يعمل تحت ضغط 300PSI .
 - مقدم شهادة من معمل UL برقم EX29017 تفيد مطابقة المحبس بالطرازات والأقطار المشار إليها بعلية للمواصفات الأمريكية.
 - مقدم شهادة من معمل FM برقم PR465870 تفيد بإعتماد المحبس بالطرازات والأقطار المشار إليها بعلية.
- ***الصنف مقبول من الناحية الفنية.**

٧. بالنسبة لمحبس (Ball Valve)

- مقدم كتالوج للمحبس (Ball Valve) ماركة كيرماري طراز KM250 قطر ١ بوصة وكذا يعمل تحت ضغط 600PSI.
- مقدم شهادة من معمل UL برقم EX29018 تفيد مطابقة المحبس بالطرازات والأقطار المشار إليها بعالية للمواصفات الأمريكية.
- مقدم شهادة من معمل FM برقم PR465870 تفيد بإعتماد المحابس بالطرازات والأقطار المشار إليها بعالية.

***الصنف مقبول من الناحية الفنية.

٨. بالنسبة لمحبس ذات تاره

- مقدم كتالوج للمحبس ذات تارة ماركة كيرماري طراز KM150 قطر ٤/١ بوصة وكذا يعمل تحت ضغط 600PSI.
- مقدم شهادة من معمل UL برقم EX29018 تفيد بمطابقة المحبس بالطرازات والأقطار المشار إليها بعالية للمواصفات الأمريكية.

***الصنف مقبول من الناحية الفنية.

**الرأى :

- ترى اللجنة قبول الأصناف الآتية ، وذلك كعينة فحص مبدئية دون التركيب بأى مشروع :-

١. محابس بوابة Gate Valve OS&Y ماركة كيرماري أنواع (- Flanged End

Grooved End) طرازات KM800 - KM850 قطر ٢,٥ بوصة

٢. محابس إختبار (Check Valve) ماركة كيرماري أنواع (- Flanged End

Grooved End) طرازات KM900-KM950 قطر ٢,٥ بوصة

٣. محبس (NRS) ماركة كيرماري طراز KM104-300 قطر ٦ بوصة

٤. حنفية حريق قطر ٢,٥ بوصة Angle Valve ماركة كيرماري طراز KM300

٥. وصلة سيامية ماركة كيرماري طراز KM100 قطر (٤" - ٢,٥X٢")

٦. محبس الصيانة (Test and Drain) ماركة كيرماري طراز KM200 قطر ١ بوصة

٧. محبس (Ball Valve) ماركة كيرماري طراز KM250 قطر ١ بوصة

٨. محبس ذات تارة ماركة كيرماري طراز KM150 قطر ٤/١ بوصة

حيث انها حاصلة على شهادة اعتماد من معمل UL لمطابقتها للمواصفات الأمريكية ، وذلك كعينة فحص مبدئية فقط . على الا يتم التركيب او التوريد بأى مشروع إلا عقب الفحص بالإدارة العامة للحماية المدنية ، على ان يتم تقديم شهادة المنشأ وكشف الأصناف (Packing List) مع الكتالوجات الفنية. وكذا ان يتم تقديم مقايسة للأعمال معتمدة بختم إستشارى المشروع وعينات للفحص موضح عليها بلد المنشأ والإعتمادات الحاصلة عليها تلك العينات قبل التوريد والتركيب.

ويتحمل كلا من (شركة كيرمارى - إستشارى المشروع - الجهة المالكة) المسئولية القانونية الكاملة فى حالة مخالفة ذلك.

وهذا تقرير منا بذلك

٢٠٢٤/٩/٢

أعضاء اللجنة:-

نقيب م/ عبد الشكور غريب

نقيب ك/ منار دياب

راند م/ مينا رضا فهم

مقدم م/ أحمد مجدى عبد الرؤوف



رئيس اللجنة،

عميد مهندس/

أحمد حسن خطاب

مدير ادارة هندسة الوقاية من اخطار الحريق

Consultants Approvals

Submittal For Approval Of Materials

Date: 04-06-26

Request No: P0153-K00146-OCC-ZZZZ-XX-MS-ME-000014-00

Project No. & Title: Ras El Hekma - Service Yard.

Employer: 	Engineer: 	Contractor: 
--	--	--

1. Material Description (one item only on this form) :

Previously Approved Firefighting valves - KM by KIRMARY

Area of application : General Firefighting

Drawing ref. : B.O.Q. ref. no.:

Specification Ref. : Standards:

Technical datas sheet - Certificate - Company profile

2. Manufacturer / Supplier

Company Name : KM

Address :

Local agent : Kirmary

3. Delivery :

Country of origin : USA

☐ Locally Manufactured ☐ Overseas

Delivery : Ex-works/ total duration [] []

Estimated time of arrival on site

Program : Date material required on site []

Latest date for order []

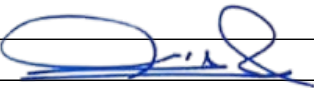
We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in conformity with the above and deliver same timely.

Submitted by : Nader Gamal Signature: 

4. Engineer's Representative Comments:	☐ Approved
	☒ Approved as noted
	☐ Revise and resubmit
	☐ Rejected
	☐ Sample required
	☐ Tests required
	☐ Additional information required
☐ Manufacturer's guarantee required	

Refer to the attached comments in the CRS sheet.


8/6/2026

Signature:  Date: 08 June 2026

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

Submittal For Approval Of Materials

Date: 23/042026

Request No: P0152-K00146-OCC-HT01-XX-MS-ME-000087-02

Project No. & Title: WWE241135 - Ras El Hekma Sales Resort.

Employer: MUDON	Engineer: dar	Contractor: ORASCOM CONSTRUCTION
---------------------------	-------------------------	--

1. Material Description (one item only on this form) :

Fire valve KM by KIRMARY

Area of application :	General		
Drawing ref. :		B.O.Q. ref. no.:	
Specification Ref. :	Section 211000	Standards:	
Compliance sheet - Technical datas sheet - Previous Approvals-- Certificate - Company profile			

2. Manufacturer / Supplier

Company Name :	KM
Address :	
Local agent :	KIRMARY

3. Delivery :

Country of origin :	USA
Availability	☒ Locally Manufactured ☐ Overseas
Delivery :	Ex-works/ total duration [] [] [] Estimated time of arrival on site [3 weeks after Purchasing Order]
Program :	Date material required on site [] Latest date for order []

We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in conformity with the above and deliver same timely.

Submitted by : Nader Gamal Signature: *Nader Gamal*

4. Engineer's Representative Comments:

Refer to the attached comments in the CRS sheet. <i>Ahmed Hozayen</i> 27/4/2026 <i>E. Azer</i> Signature: _____ Date: 27/04/2026	☒ Approved
	☒ Approved as noted
	☐ Revise and resubmit
	☐ Rejected
	☐ Sample required
	☐ Tests required
	☐ Additional information required
☐ Manufacturer's guarantee required	

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

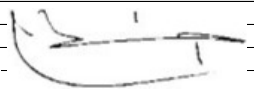
Submittal For Approval Of Materials

Date: 22-08-25

Request No: P0152-K00146-OCC-HT01-XX-MS-ME-000095-00

Project No. & Title: WWE241135 - Ras El Hekma Sales Resort.

Employer: MUDON	Engineer: dar	Contractor: ORASCOM CONSTRUCTION
---------------------------	-------------------------	--

1. Material Description (one item only on this form) :	
Buried gate valve for firefighting system KM by kimary	
Area of application : Infrastructure	
Drawing ref. :	B.O.Q. ref. no.:
Specification Ref. : 331000	Standards:
Compliance sheet-technical data sheet- company Profile-Certificates -Previous Approvals	
2. Manufacturer / Supplier	
Company Name : Kimary	
Address :	
Local agent : Local	
3. Delivery :	
Country of origin : USA	
☐ Availability ☐ Locally Manufactured ☐ Overseas	
Delivery :	Ex-works/ total duration [] [] []
	Estimated time of arrival on site
Program :	Date material required on site [] []
	Latest date for order [] []
We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in conformity with the above and deliver same timely.	
Submitted by : _____ Signature: 	
4. Engineer's Representative Comments:	☒ Approved ☒ Approved as noted ☐ Revise and resubmit ☐ Rejected ☐ Sample required ☐ Tests required ☐ Additional information required ☐ Manufacturer's guarantee required
Refer to the attached comments in CRS sheet	
Ahmed Hozayen	
26/8/2025	
Signature: 	Date: 28-8-2025

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.



التاريخ : ٢٦/٣/٢٠٢٤

RMAYA-MS-FATM-013-REV00

مسلسل

نادي الرماية الكيان العسكري

مشروع

2023/10

رقم المشروع

الهيئة الهندسية للقوات المسلحة

المالك

الشركة الهندسية المتحدة

الاستشاري العام

الفاطمية للهندسة والتوريدات

المقاول العام

الوصف : طلب اعتماد مواد			
مكان الاستخدام / المبنى :	عينة	طبقا للقائمة المعتمدة	☐
Shooting Club	مواد موردة بالموقع	اقترح جديد	☐
بند رقم : صفحة من جدول الكميات			
رقم المواصفة : رقم البند :			
Fire Fighting			
اسم المورد :	KIRMARY		
اسم المصنع :	KIRMARY		
مرفق :			
- عينات	☐		
- كقالبات	☒		
- مواصفات	☐		
- بيانات فنية	☒		
- جنود ملحقة	☐		
مدير المكتب الفني المقاول	م/ مصطفى على فؤاد	اعتماد محاسب OS&Y Gate Valve ماركة KIRMARY	
مدير المشروع	م/ محمد حمدي		
قرار الاستشاري	معتمد		
	معتمد بملاحظات		
	بعد التقديم لاستيفاء الملاحظات		
	غير معتمد		
التعليق :			
check valve size no: kmg001 initially approved			
m/fm certificates should be submitted			
origin country certificate should be indicated			
size should be as per the approved drawings.			
لا يتم التوريد قبل الاستاد هت إدارة المستودعات الكبرى قدر ح			
إستلام الضابط المشرف :		التاريخ :	



التاريخ : ٢٦/٣/٢٠٢٤

RMAYA-MS-FATM-014-REV00

ممسلم

نادي الرماية الكيان العسكري

مشروع

2023/10

رقم المشروع

الهيئة الهندسية للقوات المسلحة

المالك

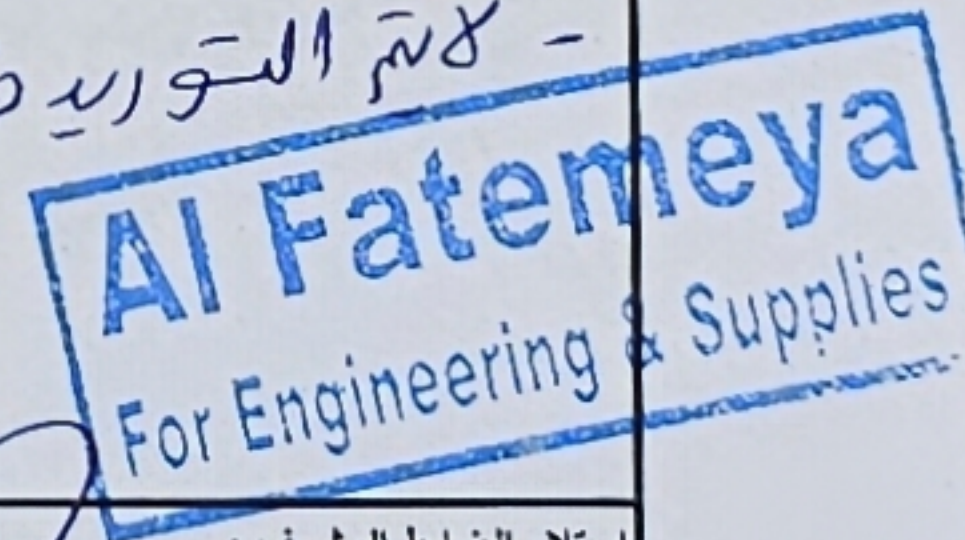
الشركة الهندسية المتحدة

الاستشاري العام

الفاطمية للهندسة والتوريدات

المقاول العام

الوصف : طلب اعتماد مواد			
مكان الاستخدام / المبنى :	عينة	طبقا للقامة المعتمدة	
Shooting Club	مواد موردة بالموقع	اقتراح جديد	
بند رقم :	صفحة من بجدول الكميات		
رقم المواصفة :	رقم البند :		
Fire Fighting			
اسم المورد :	KIRMARY		
اسم المصنع :	KIRMARY		
مرفق :			
- عينات			
- كاتالوجات	v		
- حواصفت			
- جداول فنية	v		
- جداول ملحقة			
إعتماد محاسب Check Valve ماركة KIRMARY			
مدير المكتب الفني المقاول	م/ مصطفى على فزاد		
مدير المشروع	م/ محمد حمدي		
قرار الاستشاري	معتمد		
	معتمد بملاحظات		
	يعاد التقديم لاستيفاء الملاحظات		
	غير معتمد		
التعليق :			
model no KM 800 is initially approved.			
size should be as per the approved drawings.			
UL/FM certificates should be submitted.			
origin country certificates should be indicated			
- استمر التوريد قيد الإصدار النهائي من إدارة المشروع الكبرى رقم			
التاريخ :			
إستلام الضابط المشرف :			





التاريخ : ٢٦/٣/٢٠٢٤

RMAYA-MS-FATM-016-REV00

مسلسل

نادي الرماية الكيان العسكري

مشروع

2023/10

رقم المشروع

الهيئة الهندسية للقوات المسلحة

المالك

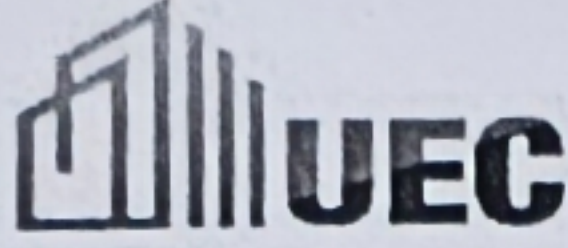
الشركة الهندسية المتحدة

الاستشاري العام

الفاطمية للهندسة والتوريدات

المقاول العام

الوصف : طلب اعتماد مواد			
☐	طابقا للقائمة المعتمدة	☐	عينة
☐	اقتراح جديد	☐	مواد موزعة بالموقع
Shooting Club			
بند رقم :			
صفحة من بجدول الكميات			
رقم المواصفة :			
رقم البند :			
Fire Fighting			
اسم المورد : KIRMARY			
اسم المصنع : KIRMARY			
مرفق :			
☐ عينات			
☒ كتالوجات			
☐ مواصفات			
☒ جيليات فنية			
☐ جلود ملحقة			
TEST & DRAIN محبس إعتد			
Al Fatemeya			
التوقيع			
مدير المكتب الفني المقاول / م/ مصطفى على فؤاد			
مدير المشروع / م/ محمد حمدي			
معتد			
معتد بملاحظات			
يعاد التقديم لاستيفاء الملاحظات			
غير معتمد			
قرار الاستشاري			
التعليق :			
- model (H&S) is approved.			
- Size should be as per the approved drawing			
- origin Country certificate should be indicated			
التاريخ :			
إستلام الضابط المشرف :			



التاريخ : ٢٦/٣/٢٠٢٤

RMAYA-MS-FATM-010-REV00

مستلم

نادي الرماية الكيان العسكري

مشروع

2023/10

رقم المشروع

الهيئة الهندسية للقوات المسلحة

المالك

الشركة الهندسية المتحدة

الاستشاري العام

الفاطمية للهندسة والتوريدات

المقاول العام

الوصف : طلب اعتماد مواد			
☐	طابقا للقائمة المعتمدة	☐	عينة
☐	اقترح جديد	☐	مواد موردة بالموقع
Shooting Club			
بند رقم :			
صفحة من بجدول الكميات			
رقم المواصفة :			
رقم البند :			
Fire Fighting			
اسم المورد : KIRMARY			
اسم المصنع : KIRMARY			
مرفق :			
- عينات			
☒			
- كاتالوجات			
☐			
- خواص			
☒			
- بيانات فنية			
☐			
- بنود ملحقة			
☐			
مدير المكتب الفني المقاول م/ مصطفى على فؤاد			
مدير المشروع م/ محمد حمدي			
معتد			
معتد بملاحظات			
بعد التقديم لاستيفاء الملاحظات			
غير معتمد			
قرار الاستشاري			
التعليق :			
Size be as per approved drawings.			
U/PN certificates & origin country			
certificate should be submitted.			
التاريخ :			
إستلام الضابط المشرف :			

Our Ref.: SYS-ORJV-G-EET-1117-1692

17th November 2024

Orascom & ROWAD JOINT VENTURE

1 Mahata Square, Maadi Palace, Postal code
Maadi 11431 - Cairo - Egypt Fax: +202 23588037

Attention to: Eng. Nader Henry
Project Director

Project: Electric Express Train – EET Project (Ain Sokhna – Borj Al Arab – Alamein – Marsa Matrouh)
PMC Consultancy Services for the implementation of EET Project

Subject: Krimary - Fire Fighting Valves - Material Submittal

Dear Sir,

With reference to the Contractor Notice of Submission No. HSR-OR-MSL-MEC-GL-S01-D1-GEN-0164 [B] regarding the subject above, please find attached the Review Notice for Krimary - Fire Fighting Valves - Material Submittal.

We remain at your disposal for any further information/clarification you may need in this concern.

Yours faithfully,

Marc SEFFACENE
EET Project Director



Attachment:

- RCS.

CC: NAT

Submission Review and Comment Sheet



REVIEW NOTICE

Green Line			
RCS Number	HSR-SYS-RCS-RWG-GL-000848 [B]		
Transmittal No	- ORJV-WTRAN-001442 - WF-009680	Document Number	HSR-OR-MSL-MEC-GL-S01-D1-GEN-0164
Transmittal Date	19-10-2024	Receiving Date	19-10-2024
Contractor Name	ORJV	Document Revision	B
Designer	ECG	Location	MAIN DEPOT
Transmittal Subject	KRIMARY - FIRE FIGHTING VALVES - MATERIAL SUBMITTAL – REV B		
Document Title	KRIMARY - FIRE FIGHTING VALVES - MATERIAL SUBMITTAL – REV B		

The following Conditional Notes apply to this Review:

- Where an RCS replies to an advance submission, any approval noted is not effective until the formal submission has been received by ER and any progress of the Works shall be at the Contractor's own risk
- Approval or comments by the ER of any equivalent or superior designs, products, services, standards or any other deliverables to those designated in the Contract which are proposed by the Contractor, shall not constitute a variation nor entitle the Contractor to any additional payment or extension of time.
- The status given by the Employer's Representative /General Consultant for this submission does not exonerate or relieve the Contractor from any obligation or liability hereunder. Each such status is given in reliance upon, and subject to the performance by the Contractor of its Works in accordance with and pursuant to the terms, covenants, provisions and conditions of its Contract. Without limitation to the generality of the foregoing, neither the review nor the Approved status of any submittal or portion thereof by the Employer's Representative / General Consultant shall relieve the Contractor of any of its responsibilities whatsoever for the accuracy or integrity of the submittal, or the ability of the Contractor to meet any conditions specified in the submittal. While Employer's Representative / General Consultant retains rights of Approval for all submittals, the areas in which it retains Approved rights is limited to the Employer's Representative / General Consultant scope of work, for the information provided by the Contractor.
- The Contractor may include many documents in one submission (Transmittal form) however where possible, it is ER policy to reply individually to each listed submitted document.
- If appropriate, ER may respond to many documents received on one submission (Transmittal Form) where one response will be applied to the entire submission package.
- Document number shall be a document in the transmission list (usually the first number listed)
- This Review comments comprises all of the pages listed in the footer below.
- The Review Notice Status shown below applies to all documents described in the Comments Sheet
- Major (M) classified comments are issued when the referenced document submission fails to meet or describe a requirement in respect of how the submission requirement is organised, implemented or maintained and without correction will introduce a major risk and will jeopardise the effectiveness of the submission if implemented.
- Minor (m) classified comments are issued when the referenced document submission fails to meet or describe a requirement in respect of how the submission requirement is organised, implemented or maintained and without correction may jeopardise the effectiveness of the submission.
- The Contractor must state if their response to ER Comments have been incorporated (I) into a revised document or, shall not be incorporated (NI) as described.
- Any ASCII character may be used to denote data entry into the fields for M, m, I or NI
- Unresolved comments shall be incremented by a decimal index and all related comments shall remain open until the subject is resolved
- Project procedure EET-SYS-MPL-OPMDOC-GL-CON-1001 provides detailed definition of "Summary Meaning" below.

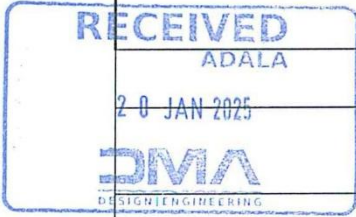
STATUS OF THE REVIEW NOTICE		APPROVED WITH COMMENTS
Status	Summary Meaning	
APPROVED	No objection to proceed	
APPROVED WITH COMMENTS	No objection if the Contractor incorporates comments and resubmits for approval	
REJECTED	Revise and resubmit after fulfilling the comments	
RECEIPT FOR INFORMATION	ER receipt only no action required	



تقديم (مستندات/شهادات للاعتماد/نتائج اختبارات) للمراجعة والاعتماد

القسم: FIRE FIGHTING	التاريخ: ٢٠٢٥ / ٠١ / ١٩	رقم الطلب	الإصدار
من الشركة المنفذة	إلى مكتب استشاري التنفيذ	MS-B01-FF-0002	01
شركة المقاولون العرب	مكتب DMA الاستشارات الهندسية	البند المطلوب اعتمادها	
النموذج/المنطقة:	العمارة: الدور: الشقة:	رسومات تشغيلية	عينات
اسم الشركة: كير ماري	الموضوع: تقديم اعتمادات فنية لخامات LEDE- MECH - VIKING	شهادات الاعتماد	كتالوجات ملونة
		طريقة التنفيذ	حساب كميات
		اختبارات معملية	أشياء أخرى

م	البيان	المبنى	مستندات العقد المشار إليها	كود العمل	ملاحظات
1	اعتماد VALVES FOR FIRE FIGHTING (KIRMARY Brand)	B01		B	
2	اعتماد FIRE SPRINKLERS (VIKING)	B01		B	
3	اعتماد (USA) FIRE CABINETS	B01		B	
4					
5					



مهندس استشاري التنفيذ	مدير المشروع لاستشاري التنفيذ	اسم:-	اسم:-	مهندس الشركة المنفذة	شركة المقاولون العرب
التوقيع:	التوقيع:	التوقيع:	التوقيع:	التوقيع:	التوقيع:
البند	معماري	إنشائي	ميكانيكا	كهرباء	أكواد الأعمال للبند التي تم تسليمها:
مهندس الاستشاري					A ☐
كود الاعتماد					B ☒
ملاحظات					C ☐
					D ☐

تم الاعتماد بدون ملاحظات
تم الاعتماد بوجود ملاحظات
سيعاد مراجعتها وتقديمها للاعتماد
مرفوض ولا يعاد التقديم

م. استشاري /
مدير المشروع الاستشاري التنفيذي

جميع استنتاجات من البند (٣)



المقاول: شركة القاهرة للمقاولات والتوريدات
العمومية



المجموعة الاستشارية للخدمات الهندسية
CONSULTING GROUP
الهندسية



المركز الدولي للاستشارات الهندسية
(محمد الصادق عوف)



الهيئة الهندسية للقوات المسلحة
إدارة المشروعات الكبرى

اعتماد عينة (MT)

اسم المشروع :- أستغلال قطعة أرض جامعة عين شمس بمنطقة العبور		الاسم :- شبكة الحريق	
طلب اعتماد عينة رقم: 0014		إصدار رقم: 0	
القسم: (ميكانيكا)		تاريخ التقديم :- 2025-10-27	
م	وصف البند	رقم البند بالمقاييس	المرفقات
1	(محابس شبكة الحريق) VALVES - KIRMARY		العرض الفني الخاص لها
جميع المستندات المقدمة مطابقة للمواصفات والرسومات التنفيذية و الكود			
مهندس مكتب فني المقاول: محمد درمضان ليس		التوقيع: محمد درمضان ليس	
مهندس الاستشاري		التقييم	
لا مانع من اعتماد العرض الفني الخاص بشركة Kirmar y على انه يتبع الاعتماد النهائي بعد تقديم عينة واجراء اخطاها واعتماد الحماية المدنية		☐ مقبول ☐ يعاد التقديم ☒ مقبول بملاحظات ☐ مرفوض	
طاقم الاشراف			

شركة القاهرة للمقاولات
شبكة مشروع استغلال
ارض جامعة عين شمس بالعبور

المركز الدولي للاستشارات الهندسية
محمد الصادق عوف

KIRMARY BRAND PRODUCTS

Handwritten: 250psi
Hagen Hays



KIRMARY Brand Products



Flanged OS&Y Gate Valve KM800 	Grooved OS&Y Gate Valve KM850 	Flanged Check Valve KM900 
Grooved Check Valve KM950 	NRS Gate Valve 	Grooved Butterfly Valve with Tamper Switch 
Wafer Butterfly Valve with Tamper Switch 	Hose Valve KM300  	Fire Department Connection KM100  
Test & Drain Valve KM200 	Ball Valve KM250 	3- Way Valve KM150 
Gate Valve KM10 	Check Valve KM700 	Balancing Valve 
Y Strainer Valve KM20 	Accessories KM650  KM500  KM400 	FIRE HOSE KM350 

E-mail: sales@kirmary.com
info@kirmary.com
kirmary@kirmary.com

website: www.kirmary.com



Technical Consultations Bureau
 EL SAHLY - ELSAWY
 6. Gaber bn Hian St. Dokky



Alexandria Construction
Document Control Department
1298 Head Quarter Project
New Administrative Capital



Alexandria Construction
Document Control Department
1298 Head Quarter Project
New Administrative Capital



DOCUMENT SUBMITTAL (DOS)

18 OCT 2025

01 OCT 2025

مستند تسليم مستندات

Project Name: <u>المقر الإداري لشركة الإسكندرية للإنشاءات</u>	Package: <u>الحزمة:</u>
Project No.: <u>1298</u>	Phase: <u>الأولى</u>
Employer: <u>شركة الإسكندرية للإنشاءات</u>	Supervision Consultant: <u>EHA-CONSULTING ENGINEERS</u>
Project Manager: <u>م. / محمود سراج الدين</u>	Contractor: <u>ALEX CONSTRUCTION COMPANY</u>
From: <u>ALEX CONSTRUCTION COMPANY</u>	Date: <u>01/10/2025</u>
To: <u>EHA-CONSULTING ENGINEERS</u>	Submittal Ref.: <u>1298-DOS-ELX-EHA-FF-25-0009-00</u>
Attn.: <u>السيد المهندس / علي محمد سعد الدين</u>	Previous Ref.: <u></u>
Subject: <u>PREQUALIFICATION APPROVAL FOR FF VALVES UL-FM (KIRMARY - USA) AS PER ATTACHED WITH SUBMITTAL</u>	

Type of Submittal : بيان التسليم

- | | | |
|---|--|--|
| ☐ Report تقرير | ☐ Test plan خطة الاختبار | ☒ Prequalification Documents المستندات المؤهلة |
| ☐ Product/Tech.data المنتج / البيانات الفنية | ☐ Program /schedule جدول / برنامج | ☐ Specs.BQO الكميات / المواصفات |

Submittal Discipline: التخصص

- | | | | | |
|---|-------------------------------------|---|---|------------------------------------|
| ☐ Architectural المعماري | ☐ Civil مدني | ☒ Mechanical ميكانيكا | ☐ Structural هيكلي | ☐ Other آخر |
|---|-------------------------------------|---|---|------------------------------------|

Attachments: المرفقات

- | | |
|--|---|
| ☒ Hard Copy نسخة ورقية | ☒ Soft Copy (CD) نسخة إلكترونية |
|--|---|
- م. / محمود سراج الدين
المقاول الرئيسي

Submitted for: الهدف من التقديم

Action Code Legend: درجات التقييم

- (A) Approved موافق (B) Approved as Noted موافق بملاحظات (C) Revise and Resubmit للمراجعة وإعادة التقديم (D) Rejected مرفوض

Notes : ملاحظات

- Production, supply and /or implementation shall proceed only when action code is A / or B. كود A/B يعني أن يستمر التنفيذ.
- Regarding action code C, resubmittal shall be within the limit set in the contract. كود C يعني إعادة التقديم ضمن الوقت المنصوص عليه في العقد.
- Review dose not relieve the contractor from responsibility of compliance with all requirments of contract documents. المراجعة لا تعفي المقاول من مسؤوليته إتجاه كافة متطلبات مستندات العقد.
- If rejected please see comments. كود D يعني الرفض ولا بد من الإطلاع على الملاحظات.

Consultant Comments: ملاحظات إشرافي

Based on the contractor submitted and our the technical review, we hereby approve the pre-qualification of Kirmaty valves (USA).

Actions Required From Contractor : الإجراءات المطلوبة من المقاول

Attachments: المرفقات

- | | |
|---|--|
| ☐ Hard Copy نسخة ورقية | ☐ Soft Copy (CD) نسخة إلكترونية |
|---|--|

Supervision Consultant

إشرافي

Employer's Representative Comments (if required) : ملاحظات ممثل العميل (إذا لزم الأمر)

Employer Representative

ممثل العميل

المحتويات الفنية والنصوص والمرفقات الواردة بهذه النماذج الفنية التي قد يُطلب إستخدامها لتداول أو طلب المعلومات أو الموافقات من قبل أي من الأطراف ذات الصلة بالمشروع (المقاول/المالك/الاستشاري العام) لن يعتد بها من تلقاء ذاتها كسبب أو سند أو أساس للمطالبة بزيادة زمن أو تكلفة المشروع أو تعديل مستندات التعاقد المعتمدة ما لم يتم رصد / تقديم أي مطالبة ذات صلة رسمياً من المقاول إلى الاستشاري العام/ممثل الجهة المالكة خلال 7 أيام من إصدار/ استلام هذه النماذج الفنية.

وارد
1248 - مشروع حدائق القسطاط

17 FEB 2026

EHA
EHA
CONSULTING ENGINEERS

KHARAFI NATIONAL

MATERIAL SUBMITTAL (MS)

Project Name: مشروع حدائق القسطاط
Project No.: 1248
Employer: الجهاز التنفيذي لمشروعات تعمير القاهرة الكبرى
Project Manager: م / رشا السيد
From: الخرافي ناشيونال
To: المهندسون الاستشاريون إيهاف
Attn: م / محمد حلمي
Subject: Grooved OS & Y Gate Valve / Grooved Check Valve / Text & Drain Valve / Ball Valve

Package: الأسواق - مرجلة خامسية
Phase: TP-16
Supervision Consultant: إيهاف
Contractor: الخرافي ناشيونال
Date: 17-02-2026
Submittal Ref.: 1248-TP16-MS-MECH-26-057-R-01
Previous Ref.: 1248-TP16-MS-MECH-26-057-R-00

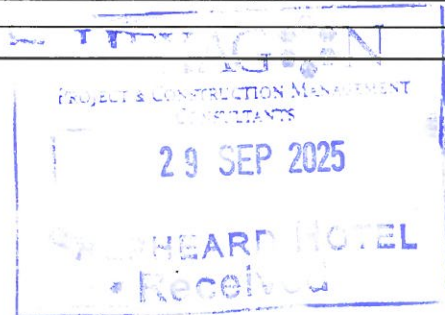
Material/ Equipment For Approval: المواد / المعدات للموافقة عليها
Description: وصف Grooved OS & Y Gate Valve / Grooved Check Valve / Text & Drain Valve / Ball Valve
Specification Reference: مرجع المواصفات
Quantity: كمية
Bill of Quantities Reference: مرجع فواتير الكميات
Manufacturer's Details: تفاصيل الشركة المصنعة
Manufacturer: (KIRMARY)
Model Number: رقم الموديل
Date of arrival on site: تاريخ الوصول في الموقع
Certificate of origin: شهادة المنشأ

Action Code Legend: درجات التقييم
(A) Approved موافق (B) Approved as Noted موافق بملاحظات (C) Revise and Resubmit للمراجعة وإعادة التقديم (D) Rejected مرفوض
Notes: ملاحظات
Production, supply and /or implementation shall proceed only when action code is A / or B.
Regarding action code C, resubmittal shall be within the limit set in the contract.
Review dose not relieve the contractor from responsibility of compliance with all requirments of contract documents.
المراجعة لا تعفي المقاول من مسؤوليته إتجاه كافة متطلبات مستندات العقد.
If rejected please see comments.
كود D يعني الرفض ولابد من الإطلاع علي الملاحظات.

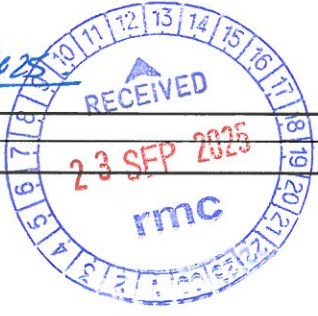
Consultant Comments: ملاحظات استشاري الإشراف
Inspection Report: تقرير الفحص
1- Physical damage? الأضرار المادية
2- Deta ils given above correct? التفاصيل الواردة أعلاه صحيحة
3- Conforms with approved submission? يتوافق مع التقديم المعتمد
4- Accessories / Spare parts included? قطع الغيار متضمنة
Remarks: ملاحظات
Consultant Manager Remarks: ملاحظات استشاري الإشراف
Actions required from Contractor: الإجراءات المطلوبة من المقاول
Attachments: المرفقات
Hard Copy نسخة ورقية
Soft Copy (CD) نسخة إلكترونية
Project Manager/Supervision Consultant: مدير المشروع / استشاري الإشراف

Employer's Representative Comments (if required): ملاحظات ممثل العميل (إذا لزم الأمر)
Employer Representative: ممثل العميل

EMPLOYER: ALSHARIF HOTELS & TOURISM 	PROJECT MANAGER/ENGINEER: HEXAGON - PROJECT & CONSTRUCTION MANAGEMENT CONSULTANTS 	ARCHITECTURE AND MEP CONSULTANT: RAAFAT MILLER CONSULTING (RMC) 	CONTRACTOR: CCC EGYPT FOR CONSTRUCTION 	ID and FF&E CONSULTANT: SYBILLE DE MARGERIE EL GHONEIMI	STRUCTURAL DESIGN & SUPERVISION: E.C.O. - ENGINEERING CONSULTATION OFFICE, EGYPT E.C.O. ABDEL RAHMAN ASSOCIATES 	PROJECT TITLE: SHEPHEARD HOTEL RENOVATION - EXISTING AND ANNEX BUILDINGS - PACKAGES SH-06B AND SH-06C 
CONTRACTOR NO. 1280	DOCUMENT NO. FM-PQMP-1280-006-001A - (ENGINEER FORM)			REV. NO. / DATE 001/25-05-2025	PAGE 1 of 1	
DOCUMENT TITLE						
Material Approval Request (MAR)						
PROJECT: SHEPHEARD HOTEL RENOVATION OWNER / INVESTOR: E.G.O.T.H / AL-SHARIF FOR HOTELS AND TOURISM (ASG) PROJECT MANAGER : HEXAGON - PM CONSULTANT CONSULTANT : RMC CONTRACTOR: CCC EGYPT FROM: CCC EGYPT				No.: SH/GENR/MEC/MAR/0164 - Rev. No. 00 Date: 23/9/2025 To: Hexagon / RMC M/s Atten:		
ATTACHMENTS: ☒ SAMPLES ☐ ORIGINAL BROCHURE ☐ SPECIFICATION COMPARISON SHEET ☐ PREQUALIFICATION ☐ VENDOR LIST ☐ OTHERS		DISCIPLINE: ☐ CIVIL ☐ ARCHITECTURAL ☐ MECHANICAL ☐ ELECTRICAL ☐ OTHER (STATE)		APPROVAL REQUIRED BY: (DATE) SYSTEM : Fire Fighting SUB-SYSTEM : Wet suppression system		
Attach all relevant technical literature marked by "clouding " to identify relevant description, current test certificates, samples as appropriate.						
MATERIAL DESCRIPTION : Landing Valve Location / Area : GENERAL Drawing Ref : GENERAL Specification Ref : 211000 MANUFACTURER/ SUPPLIER Company Name : KIRBY Country of Origin : USA Local Agent : Kirby						
DELIVERY : Production Period : 3 MONTH Delivery of Works : 1 MONTH Total Delivery Time : 4 MONTH Expected Date of Delivery on Site :						
CONTRACTOR'S REPRESENTATIVE : Name: Eng. Bahij Soukariah Signature: Date: 23/09/2025						
CONSULTANT COMMENTS: Approved by Landing Valve of Brand (Kirby - USA) size 2.5" (65mm) Model KM300 with pressure rating 300psi (UL & FM) Related to all attachment papers. Pick up first country of origin UL & FM certificates, Mill Test, civil defense Approval all attachment papers with cover each complete the others code (B)						
Name: Eng. [Signature] Signature: Date: 28-9-2025						
PM COMMENTS: Follow RMC Comments.						
Name: Signature: Date: 29/9/2025						
DISTRIBUTION: Original: [Signature] Copy to: [Signature]						







**Mansoura 8 - Phase 2
New Administrative Capital**

Submittal Transmittal No. E2523-SIAC-Cosmos-Mar-Mech-0054				Rev. 0	
SUBMITTAL TRANSMITTAL FORM TRANSMISSION OF DRAWINGS, DOCUMENTS, MATERIALS, ETC.				30/12/2025	
				SUBMITTED FOR * CODE APPROVAL 1 YOUR INFORMATION 2 3	
CONTRACTOR: SIAC-Industrial Construction & Engineering Co. RE: CONTRACT E2523 - Phase 2 Package No.:				System- Mech E2523 - Phase 2	
WE ARE SENDING HERewith / UNDER SEPARATE COVER, THE DRAWINGS/ DOCUMENTS / SAMPLES LISTED BELOW. (DELETE AS NECESSARY)				ACTION ** APPROVED A APPROVED AS NOTED B NOT APPROVED C FOR INFORMATION D	
QTY	DRWS., SPEC. OR BOQ. REF.	ITEM SEQ NUMBER	DESCRIPTION	+ TYPE	CODE Submittal Action *
1	----	1	FIRE FIGHTING VALVES SPRINKLER PIPES AND FITTINGS CABINETS SWITCHES SUPPORTS Supplier: KIRMARY	MD	1 B
COPIES 1 Soft Copy Only					
Samples					
			FOR CONTRACTOR		
Consultant to enter Action Codes and Remarks, and return to Contractor REMARKS: CONSULTANT'S COMMENTS Approved as noted code (B). 1-Approval all materials from civil defense , 2-UL Listed/ FM Approval as per specs of project and requirement of civil defense. 3- Submit sample for approval. 4-Required visit for inspection of materials. 5-Updated for all certificates. Eng.shehta mohamed					
COPIES TO					
			FOR CONSULTANT		
			DATE:		
TYPE : SD:Shop Drawing CA:Calculation SM:Sample MS:Method Statement GT:Guarantee TF:Temporary Facilities MD OT:Other CT:Certificates TT:Test Results MK:Mock-up					
ROUTING					
FROM: TO: Consultant Contrator Date Date: Date: Date: Signature Signature: Signature: Signature:					
					* Code to be entered by Contractor ** Code to be entered by Consultant



Eng.shehta mohamed

مشروع (480) – NEW SIX CENTRAL MEDICAL WAREHOUSES

طلب اعتماد مواد

المالك: شركة المخازن الإستراتيجية للمنتجات والأجهزة الطبية SWC الإستشاري: مكتب الإستشارات الهندسية – الكلية الفنية العسكرية
الهيئة المصرية للشراء الموحد والإمداد والتموين الطبي
الإدارة التكنولوجية الطبية U.P.A

موجه إلى: مكتب الإستشارات الهندسية – الكلية الفنية العسكرية	مقدم من: شركة اوراسكوم ويتز أسم وتوقيع المرسل: مهندس/ أمجد جرجس مهندس/ سامح السرجاني
بتاريخ: 2026 / /	بتاريخ: 2026/02/23

إصدار رقم 01:

رقم النموذج: WOJV-ECO-SMW-CAI-ME-MAT-0221

بديل	حسب مستندات التعاقد	عنوان النموذج / (10") NRS		
رمز المقايسة	رمز الموصفات	المصنع/ بلد الصنع	البيان/ الوصف	عدد النسخ
		KM / USA	NRS (10") From : KM CD الجزء: الدور:	1 2

تعهد المقاول: المستندات المرفقة تم تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في هذا المشروع من قبل المقاول

بتاريخ	التوقيع:	الإعتماد بواسطة:	الإستشاري المختص
20 / /			الملاحظات للمانع من اعتماد مادة KM موديل صبي KM104 مقاس 10" على الابل منفذ التشغيل من 300PS

ج = معتمد مع ملاحظات ويعاد التقديم مرة أخرى ☐

أ = معتمد ☐

د = الطلب مرفوض ويعاد التقديم مرة أخرى ☐

ب = معتمد مع ملاحظات. يمكن للعمل أن يستمر بناء على الملاحظات ☒

بتاريخ	اعتماد الاستشاري	
2026/2/28	الاستلام بواسطة	استلام المقاول

Received
02 MAR 2026

ISSUED FOR APPROVAL - MAT

التوزيع قبل الاعتماد : التوزيع بعد الاعتماد

No.	المالك	الاستشاري	المالك	المقاول
Q.S	تخطيط	ميكانيكا	تكييف	مدني
X				

23 FEB 2026

WEITZ-Orascom - SMWH Project

شهادة اعتماد فنى

Technical Accreditation Certificate

To Whom It May Concern

الى من يهمه الأمر

Center of Planning and Architectural Studies (CPAS) "Prof. Dr. Abdelbaki Ibrahim & Partners" Expertise House of Engineering Consultancy witnesses that: Kir Mary company for Engineering Supplies technical file in the field of: supply of fire Fighting systems was studied, for products: valves ,Fire Hose Cabinet for brand :KM , SPP Pumps ,Hangers made in USA , Bristol Pumps ,Tiger Steel ERW pipes made in UAE - LEDE Valves for fighting , Plumbing works and Grooved fitting ,MECH threaded fittings 300 di, viking fire hydrants and sprinklers , zurn Drains , water hammer and hose bib upon the company's request.

يشهد من مركز الدراسات التخطيطية والمعمارية "أ.د. عبد الباقي إبراهيم وشركاه" - بيت خبرة في الهندسة الاستشارية بأن شركة: كير ماري للتوريدات الهندسية، قد درست ملفها الفني في مجال: توريد أنظمة إطفاء الحريق لمنتجات: المحابس ماركة KM - صناديق الحريق ماركة KM - مضخات spp - هناجر صناعة USA - مضخات برينسول ومواسير ماركة TIGER - مضخات صناعة UAE - (محابس حريق - محابس صرف - وصلات جر وفد) ليدى - وصلات قلاووظ ماركة MECH - DI 300 - (عساكر الحريق ومرشاشات) فايكيغ ، وذلك بناءً على طلب الشركة.

By examining the technical file, documents and certificates submitted by Royal Top Company, we hereby confirm that they comply with the technical and engineering quality requirements. The aforementioned products are, thus, listed in the Materials and Vendors Lists approved by CPAS in its various projects inside/ outside the Arab Republic of Egypt for a period of **one calendar year** starting from the date of issue listed below.

وطبقاً للملف الفني والمستندات والشهادات المقدمة من الشركة فهي مستوفاة للمتطلبات الفنية وتحقق اشتراطات الجودة الهندسية ويندر إخراجها ضمن قائمة الخامات والمواد المعتمدة لدى المركز في مشروعاته المتنوعة داخل/ خارج جمهورية مصر العربية. وذلك لمدة سنة ميلادية تبدأ من تاريخ الإصدار المدرج أدناه.

Noteworthy, this certificate is not considered individually for the approval in any project except after referring to the technical approval request for the project.

علماً بأنه لا يعتد بتلك الشهادة منفردة للاعتماد بأي مشروع إلا بعد الرجوع لطلب الاعتماد الفني الخاص بالمشروع.

In witness whereof, we issued this certificate,

وهذه شهادة منا بذلك،،،

Date of Issue: Tuesday 28/10/2025

صدر في يوم الثلاثاء الموافق ٢٨/١٠/٢٠٢٥

Ven-Cer-2025-010-AG

P.O. Box : 6 Saray - El-Kobba - P.C. : 11712

14 El-Sobky st. - Heliopolis - Cairo - Egypt

Tel : (202) 24190 271 / 843 / 744 - Fax: (202) 22919 341

E-mail : info@cpas-egypt.com - www.cpas-egypt.com

ص.ب: 6 سراى القبة - رمز بريدى : 11712

14 شارع السبكي - خلف نادى هليوبوليس

مصر الجديدة - القاهرة - جمهورية مصر العربية

ت : 24190 271 / 843 / 744 (202)- ف : 341



CHG - Sky Hospital

طلب اعتماد مستندات فنية (SUB)

تاریخ الإرسال :- ١٦ / ١ / ٢٠٢٣

رقم مسلسل :- SUB-FF-08-01

الموضوع : . طلب اعتماد العروض الفنية لمحابس الحريق (O.S. & Y gate valves - check valves - alarm check valve (tamper switches - flow switch - test & drain valve - pressure gauge مناقصة رقم (٧٢ - ٢٢/٢٣)	
--	--

المرجع :	مواصفات :-	15315	الشركات :-	١ . PRO-TEC ٢ . KIRMARY ٣ . OMEGA ٤ . CAPITAL GUARD
	الدور :-	مبني المستشفى - مبني الخدمات	رقم البند :-	رقم (٢)
المرفقات :- عدد (٤) كتالوج + CD + عدد (٢) ورقة اعتمادات سابقة				

نوع الأعمال :-	
☐ مدني	☐ معماري
☐ كهرباء	☐ تكييف
☐ صحي	☐ حريق
☐ طبي	☐
سبب الأضرار :	
☐ للمعلومية	☐ للإعتماد
نوع المرفقات :	
☐ مستندات أصلية	☐ صورة من المستندات

مهندس المقاولون العرب

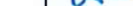
مدير المكتب الفني

مدير المشروع

التوقيع :-	تاريخ الاستلام :- 2023/1/16
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[illegible]

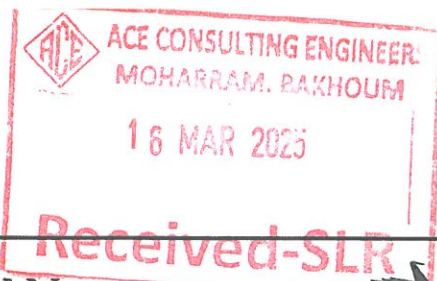
مهندسی المكتب الاستشاری

الأعمال الإعتيادية	أعمال الصحي و الحريق	الأعمال الكهربائية	أعمال التكيف	الأعمال الطبية
				

التاريخ :-

24/11/2022

well cut



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HASSAN ALLAM CONSTRUCTION	REQUEST FOR ALTERNATIVE OR SUBSTITUTION	TO : ACE Construction Engineers Moharram Bakhom
---------------------------	---	---

Contract	: Not available	Request No.	: P12-0133-00
Contractor	: Hassan allam construction	Date	: 16/03/25
Package No.	: Firefighting Works		
Attachment	: Company profile, Datasheet, Compliance sheet, UL FM / WRAS Certificates, Test reports, Civil Defense certificates, Approvals		

This submittal will not be reviewed unless the Contractor complies with the minimum submittal requirements of comparison sheets, product data and cost comparison as per the contract requirements.

PROPOSED ALTERNATIVE OR SUBSTITUTION:

☒ PRODUCT ☐ METHOD OF FABRICATION ☐ METHOD OF INSTALLATION ☐ DESIGN CHANGE

SPECIFIED PRODUCT Valves for Fire Fighting
PROPOSED PRODUCT Valves for Fire Fighting
SPEC. SECTION # 221116 PAGE #259 ARTICLE #
SPECIFIED MANUFACTURER MECH
PROPOSED MANUFACTURER Kirmay and Winters
LOCATION / AREA OF USAGE Parcel# 11-12-13
PROGRAM ACTIVITY ID PLANNED START PLANNED FINISH
BRIEF PRODUCT DESCRIPTION
REASON FOR PROPOSED ALTERNATIVE OR SUBSTITUTION: Kirmay and Winters are of high quality, available, durable and faster in delivery, since buildings scope is large, it would be better if there are more suppliers to be able to cope required quantities on time.

COST AND TIME SAVINGS

COST	NO	☒	YES	☐	AMOUNT (EGP) DEDUCTION)
TIME	NO	☒	YES	☐	DAYS

THE CONTRACTOR CERTIFIES AND UNDERTAKES THAT:

- * Same warranty will be furnished for proposed alternative or substitution as for specified product.
- * Same maintenance service and source of replacement parts, as applicable is available.
- * Cost data as stated above is complete. Claims for additional costs or time related to accepted alternative or substitution which may subsequently become apparent are to be waived. Other costs to other disciplines and/or contractors shall be borne by the Contractor.
- * Proposed alternative or substitution does not affect dimensions and functional clearances.
- * The cost for all changes to design, including architectural or engineering design, detailing, and construction cost including authorities approvals, caused by the requested alternative or substitution shall be fully the responsibility of the contractor at no cost to the employer.
- * Coordination, installation, and changes in the Work as necessary for accepted alternative or substitution will be complete in all respects.

THE CONTRACTOR FURTHER ACKNOWLEDGES THAT APPROVAL FOR ALTERNATIVE/SUBSTITUTION DOES NOT WAIVE HIS OBLIGATIONS TO THE EMPLOYER AS PER THE CONTRACT.

THE CONTRACTORS REP DATE/TIME 16/03/25

REVIEWED AND COMMENTS BY ACE:

1- The Contractor must adhere to the Technical specification defining in SLR
2- The Contractor shall submit the Warranty Certificate with this
3- Final approved after owner approved

Signature Date 18/3-25

THE APPROVAL OF ANY ALTERNATIVE OR SUBSTITUTE PRODUCT/METHOD SHALL BE SOLELY AT THE DIRECTION OF THE ENGINEER AND SUCH APPROVAL SHALL IN NO WAY RELIEVE THE CONTRACTOR OF ANY OF HIS LIABILITIES AND OBLIGATIONS UNDER THE CONTRACT.

THIS APPROVAL DOES NOT ENTAIL ANY ADDITIONAL COST OR TIME.

REVIEWED AND COMMENTS BY HAR:

* Follow SC Comments
* Use more than one vendor of valves on same Parcel is rejected.
* Test & FM & UL and warranty to be submitted on MTR

Signature Date

THE APPROVAL OF ANY ALTERNATIVE OR SUBSTITUTE PRODUCT/METHOD SHALL BE SOLELY AT THE DIRECTION OF THE ENGINEER AND SUCH APPROVAL SHALL IN NO WAY RELIEVE THE CONTRACTOR OF ANY OF HIS LIABILITIES AND OBLIGATIONS UNDER THE CONTRACT.

THIS APPROVAL DOES NOT ENTAIL ANY ADDITIONAL COST OR TIME.

Material Submittal

From: Hassan Allam Construction (H.A.C)

To: Consulting Engineers Moharram.Bakhroum (ACE)

Serial No.: SLR-HAC-ACE-RAS-P12-0133-REV.00

Rev.: 00

Action

Parcel#: 11-12-13

Location/Building:

Building & Basement

Date
:

16/03/25

Approved A
Approved as Noted B
Rejected & Resubmit C
For Information D

Category: ☐ STR ☒ MECH ☐ ARCH ☐ ELEC

Subject: Valves for Fire Fighting

Manufacturer: Kirmary and Winters

Supplier: Kirmary

Enclosure/Attachment:

☐ Vendor List:

[xx] Pages – Size Ax

☒ Previous Approvals:

[xx] Pages – Size A4

☒ Catalogue:

[xx] Catalogue

☐ Project references:

[xx] Pages – Size A4

☐ Shop Drawings:

[xx] Pages – Size A4

☒ Specs/Compliance:

[xx] Pages – Size Ax

☐ BOQ:

[xx] Pages – Size Ax

☒ Data Sheets/Catalogue:

[xx] Pages – Size Ax

☒ Test Reports:

[xx] Pages – Size A4

☒ Certificates:

[xx] Pages – Size A4

☐ [xx] Sample Board

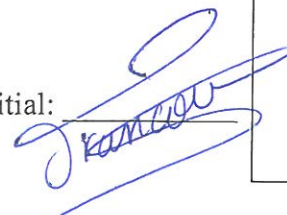
Item Description:	Brand	Model No.:	Certificates:
Flanged OS&Y Gate Valve	Kirmary	KM800	UL/FM
Flanged Swing Check Valve	Kirmary	KM900	UL/FM
Hose Valve	Kirmary	KM300	UL/FM
Fire Department Connection	Kirmary	KM100	UL/FM
Test and Drain Valve	Kirmary	KM200	UL/FM
Sprinkler Gauge	Winters	NA	UL/FM

Booklet Contains the following:

- Company profile
- Datasheet
- Compliance sheet
- UL FM / WRAS Certificates
- Test reports
- Civil Defense certificates
- Approvals

Samples: NA

Initial:



MATERIAL SUBMITTAL SHEET (MSL)

Contract Ref:	Ref: ECP-HAC-PGE-MSL-MEC-0222	Rev. (00)
To: PGESCO	Cc:	Submittal Issue Date
contractor Signature:	Eng: <i>For: Hattah</i>	19/02/2024
		Response Requested By:
		Eng. Ahmed Omar

Submittal Contents Description Project: East Cairo Logistic Park Location: General Subject: Firefighting valves. Brand: Kirmary Expected Date PGESCO Reply 26/02/2024	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> Enclosure ☐ Drawing ☐ Literature ☐ Calculation ☒ Specification ☐ CD ☐ Other ☐ Sample </td> <td style="width: 50%; vertical-align: top;"> Discipline: ☐ Structural Steel ☐ Light Fixtures ☐ Civil ☐ Sanitaryware ☐ Architectural and Finishings ☐ Aluminum, glazing and Cladding ☒ MEP ☐ General </td> </tr> </table>	Enclosure ☐ Drawing ☐ Literature ☐ Calculation ☒ Specification ☐ CD ☐ Other ☐ Sample	Discipline: ☐ Structural Steel ☐ Light Fixtures ☐ Civil ☐ Sanitaryware ☐ Architectural and Finishings ☐ Aluminum, glazing and Cladding ☒ MEP ☐ General
Enclosure ☐ Drawing ☐ Literature ☐ Calculation ☒ Specification ☐ CD ☐ Other ☐ Sample	Discipline: ☐ Structural Steel ☐ Light Fixtures ☐ Civil ☐ Sanitaryware ☐ Architectural and Finishings ☐ Aluminum, glazing and Cladding ☒ MEP ☐ General		

Contract Specification Clause Ref:


PGESCO
 ECLP Project
RECEIVED

By TMKAMEL at 8:45:26 AM, 2/20/2024

Mfr. Agent	
Make/ Model	
Capacity/Size	
Document Ref:	
 Flex Park	
Notice of Cost Variation	
Reason for Alternatives	

COMMENTS:

Consultant / Engineer's Representative	Returned To Contractor: Document Status	
Date Received	(A): Approved	
Signature	(B): Approved as Noted – Work May Proceed	
	(C): Revise & Re-submit – Work May NOT Proceed	
	(D): Rejected – Without Review	
	(E): Review Not Required	

Distribution:		
Contractor:	CONSULTANT / ENGINEER'S REPRESENTATIVE Signature _____ Date _____	
Cc:		



المشروع : اعمال مكافحة الحريق بمستشفى الاحرار التعليمي بالزقازيق
المالك: الهيئة العامة للمستشفيات والمعاهد التعليمية
المقاول : شركة حلوان لمحركات الديزل
الاستشاري : المركز القومي لبحوث الإسكان والبناء

محضر فحص واستلام تشوين محابس الحريق

الرقم : 02/2025 أصدار رقم : (00) يوم : الاربعاء بتاريخ : 2025/9/10

التوصيف :

نوع العمل : ☐ إنشائي ☐ مساري ☐ كهرباء ☐ ميكانيكا ☐ تكييف ☐ أخرى

برجاء التكرم بمعاينة وفحص المواد الآتي ذكرها تمهيداً لمتابعة الأعمال:

تفاصيل الأعمال :-

م	الوصف	المستندات المرفقة
	Valves for Firefighting System Kirmary Brand (USA) -FM & UL	- Data Sheets - FM & UL Certificates - 3 rd Party Test Certificates - C.O & Packing List - Factory Test Certificates

استشاري المقاول : التوقيع : بتاريخ :

استلام الاستشاري (المركز القومي لبحوث الإسكان والبناء) : بتاريخ : / /

الملاحظات :
① مع استلام المقاول بالمواد المستلمة من الشركة المصنعة
② مع استلام المقاول بالمواد المستلمة من الشركة المصنعة
اعتماد الاستشاري : الاسم : التوقيع : التاريخ : / /

A ☐ معتمد.
B ☒ معتمد مع ملاحظات ويمكن للعمل أن يستمر بناء على الملاحظات.
C ☐ الطلب مرفوض ويعاد للتقديم مرة أخرى.
D ☐ الطلب مرفوض ولا يعاد تقديمه.

التاريخ : 12/01/2025
خطاب إعتاماد مورد



إخطار بإعتاماد مورد

السادة شركة كيرماري للتوريدات الهندسية

تحية طيبة وبعد ،،،

نود ان نحيطكم علماً أنه بعد الاطلاع على منتجات شركتكم و التي تتكون من :

- SPP Fire Pump
- Kirmary Valves
- Kirmary Cabinets
- Lede Valves
- Leda Grooved Fitting
- Mech Ductil Iron Threaded Fitting
- Tiger Steel Pipes

و نفيد لسيادتكم انه تم دراسة المواصفات الفنية للمنتجات المذكورة و جدنا انها تحقق المواصفات المطلوبة و ترتقى ان تكون منتجات معتمدة من قبل مكتب محمد طلعت للإستشارات الهندسية.

لذلك نخطر سيادتكم انه تم اعتماد المورد المذكور كمورد معتمد في مشاريعنا القادمة.

وذلك اخطار منا لكم بذلك

وتفضلوا بقبول فائق الاحترام والتقدير،،،



12/01/2025
مينا زغلول

التاريخ : 12/01/2025
خطاب إعتداد مورد



إخطار بإعتداد مورد

السادة / القائمين على مشروع اوجيستا .

تحية طيبة وبعد ،،،

نود ان نحيطكم علماً أنه بعد الاطلاع على منتجات شركة كيرمارى للتوريدات الهندسية و التى تتكون من :

- SPP Fire Pump
- Kirmary Valves
- Kirmary Cabinets
- Lede Valves
- Leda Grooved Fitting
- Mech Ductil Iron Threaded Fitting
- Tiger Steel Pipes

و نفيد لسيادتكم انه تم دراسة المواصفات الفنية للمنتجات المذكورة و جدنا انها تحقق المواصفات المطلوبة و ترتقى ان تكون منتجات معتمدة من قبل مكتب محمد طلعت للاستشارات الهندسية.

لذلك نخطر سيادتكم انه تم اعتماد المورد المذكور كمورد معتمد فى مشاريعنا القادمة.

وذلك اخطار منا لكم بذلك

وتفضلوا بقبول فائق الإحترام والتقدير،،،

مقدمه لسيادتكم
مدير قسم الميكانيكا
م/ مينا زغلول





كيوب للإستشارات الهندسية
CUBECONSULTANTS
DESIGNS AND ENGINEERING CONSULTATION



كيوب
Building Sustainable
Development



كونكورد للهندسة والمقاولات
18-Jan-25

المقاول:
التاريخ:

RECEIVED

إسم المشروع: أوجيس-ت
المالك: جهاز مستقبل مصر للتنمية المستدامة
إدارة المشروع: كيوب للإستشارات الهندسية CUBE

MATERIAL TRANSMITTAL MT حافظة اعتماد عينة / مواد

SUR STR ARCH ELEC **MECH** GENERAL

إلى: كيوب للإستشارات الهندسية CUBE من: كونكورد للهندسة والمقاولات
رقم العقد: EF-CON-CUBE-MT-MECH-026 رقم الصادر: REV. 00 رقم الاصدار:

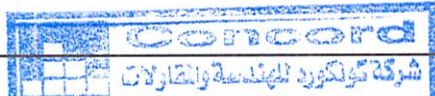
الرقم	وصف البند	رقم الإصدار	المصنع / المورد	العينة	عدد النسخ	الرد / التقييم
	إسم/ نوعية العينة، الأبعاد، السعة، الاستخدام ... إلخ			رقم الكتالوج / ... إلخ		المهندس الإستشاري بمعرفة لجنة التقييم
1	(KIRMARY) For Zone Control Valves & Fire Fighting - Type Kirmary	0	KIRMARY	Company profile	1	5
2						
3						
4						
5						

هذا إقرار من المقاول بأن جميع المستندات المقدمة قد تم فحصها بمعرفته، وهي مطابقة للمواصفات ومتماشية مع بنود ومستندات العقد ما عدا التالي:

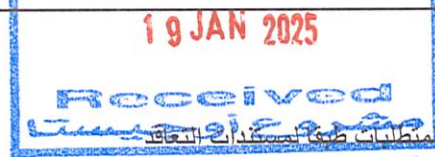
المقاول: عليه الوصف
الاسم والتوقيع:

ملاحظات الاستلام:

طبقاً للخطأ الوارد في مكتب التصميم بتاريخ 12-1-2025
مع تنفيذ عميل للاختبار والعمل الاختباري اللازم على أن يكون الاختتام النهائي بعد تقديم العميل



إلى: كونكورد للهندسة والمقاولات من: كيوب للإستشارات الهندسية CUBE
التاريخ:



ملاحظات عامة:

- يتم استكمال الأعمال في حالة أن يكون التقييم (1) أو (2)
- التحقق من الكميات يتم بمعرفة المقاول
- هذا الفحص لا يعفي المقاول من مسؤوليته تجاه مطابقة كافة



تعريف بدرجات التقييم:

- لا توجد ملاحظات
- يتم تنفيذ الملاحظات
- يعاد التقديم بعد اتمام الملاحظات
- غير مقبول

المهندس الإستشاري

19-1-2025

Material Approval Request

Reviewed

Mr Usama Salem 10/02/2025

Ref. No: MAR-CPC16-OC-ACE-00299-00		Rev. No:00	
Project Name: P1-Multi-Family Clusters "C1 & C2 & C4"		Date: 10/02/2025	
Employer: ORA Developers		Contractor: Orascom Construction	
Engineer: JLL		Supervision Consultant: ACE	
Cluster: C1&C2&C4	Building No.:General	Floor Level: General	Activity: General
Subject: Fire Fightings Valves and fittings - Mech/Kirmary (No sample Attached)			

Proposed Material Details (prepared by Contractor)

Contractor is responsible for providing sufficient information to allow the SSC to make a decision on suitability of proposed materials

Civil ☐	Structural ☐	Architectural ☐	Mechanical ☒	Electrical ☐
HVAC ☐	Plumbing ☐	Other (please specify): ☐		

Material and Manufacturer Details

Supplier/ Agent:	kirmary	Specification no.:	21 13 13 21 12 00
Product Name:	Mech / kirmary	Compliance Sheet:	☒ Submitted ☐ Not Submitted
Purpose/ Use:	Fire Fighting valves And fittings	BoQ Item no.:	21 13 13 21 12 00

Description of Material to be inspected:

Fire fightings fittings and valves – kirmary

Attachments:

- RFI
- Company profile.
- Data sheet.
- Compliance sheet.
- Previous approvals.
- Test certificate.
- Civil defence approval.

Authorised Personnel:	Job title:	Signature:
Suzan william	Material Manager	suzan


Date: 05-02-2025
ZED East Cluster C1 & C2
New Capital

Site Supervision Consultant Response:

Remarks:

Technically approved as per attached material list.

Fire fighting valves : kirmary UL - origin : USA

Threaded fittings : MECH (DI) UL/FM - Pr. Gauge : winters - USA

Mechanical TEE : IEDE - FM

Civil defense & test and origin certificates should be submit .

Submittal Final Status:

☐ A - Approval ☒ B - Approved as noted ☐ C - Revise and Resubmit ☐ D - Rejected ☐ E - Review not Required

Is Employer approval required ? Yes ☐ No ☐

Authorised Personnel:	SSC Engineer's Signature:	Date:
Yasser Hassan		11/2/2025

DOCUMENT COVER SHEET

CONSULTANT:



SNC • LAVALIN

PROJECT

SAUDI-EGYPT ± 500 kV HVDC INTERCONNECTION

CONTRACT TITLE:



Badr Converter Station and Taba2 Transition Station

DRAWING/DOCUMENT TITLE:

Material Submittal-Fire Fighting Ball Valve by (KIRMARY)

Badr Converter Station and Taba2 Transition Station

	DATE	NAME	SIGNATURE	PROJECT DRAWING/DOC NUMBER	Rev.03
Prepared:	16 Sep 2024	A.H		HEL/SNC/EETC001/ECTS/MS/00198	
Checked:	16 Sep 2024	A.H		CONTRACTOR DRAWING/DOC NUMBER	Rev.03
Approved:	16 Sep 2024	A.H		OC-MA-GEN-00-7502	

RECEIVER NAME/POSITION/E-MAIL AD

Eng. Luiz Chavez / Engineering Design Manager
/Luis.Chavez@snclavalin.com

CONTRACTOR NAME

Consortium of HITACHI ENERGY and ORASCOM

03		IFA	16 Sep 2024	YES	Ahmed Hussien	ussien
02	B	IFA	19 Aug 2024	YES	Ahmed Hussien	ussien
01	B	IFA	29 Jul 2024	N/A	Ahmed Hussien	ussien

Acceptance indicates conformity with Company's Requirements. It does not relieve the Contractor of any responsibility for errors, omissions, or accuracy of design as well as any obligation of Contractor's contract.

Previous Status

Received on 17 SEP 2024

Released on 18 SEP 2024

☒ A - ACCEPTED

☐ B - ACCEPTED EXCEPT AS NOTED

☐ C - NOT ACCEPTED

☐ D - REJECTED

☐ E - FOR INFORMATION

Reviewed by PMO-mech

Noted by

REV	STATUS	ISSUED FOR:	DATE	MODIFICATION	PREPARED	CHECKED	APPROVED
THIS SUBMISSION IS DECLARED TO BE STRICTLY IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT				SIGNATURE:	SIZE: A4	Total No. of Sheets 1+134	

طلب اعتماد مواد
Material Approval Request

14/10/2024

التاريخ :-

MCC-MUST-P2-MAR-MEP-111-00

رقم الطلب :-

جامعة مصر للعلوم والتكنولوجيا

مبني:

☐ Other / أخرى		☐ As Built Dwg	☒ مواصفات فنية Specs		☐ رسومات تنفيذ work shop		نوع المستند
الشركة / المورد		المرفقات : A4 - 127 - كتالوج	ميكانيكا	كهرباء	معمارى	انشائى	نوعية الاعمال
KIRMARY			☒	☐	☐	☐	

Firefighting System Valves : طلب اعتماد

KIRMARY : المورد

المنشأ: USA

الموضوع

الوصف / الف / البير / بن

9

ZCV " OS&Y, Check Valve, Test & Drain & Ball Valve" - KIRMARY - USA

1

ZCV " Water Flow Switch, Temper Switch " - Potter - USA

2

FHC & Fire Hose - KIRMARY - USA

3

Must Construction Company

المقاول/Contractor

مدير المكتب الفني Contractor/المشروع المقاول Project Manager الاسم : م / حسان فؤاد التوقيع/Signature :	مدير المكتب الفني Contractor/المشروع المقاول الاسم : م / ايمن مصطفى التوقيع/Signature :	مدير المشروع المقاول Sub Contractor الاسم : م / رضا محمد علي التوقيع/Signature :	مدير المكتب الفني شركة الافق لاعمال ال MEP الاسم : م / يسرى ابراهيم التوقيع/Signature :
--	--	---	--

نتيجة الفحص / Result

Evaluation / التقييم

Date / التاريخ

: Receiver / المستلم

مرلوض / Rejected D ☐	يعاد التقديم / Resubmit C ☐	معتمد بشروط / Approved as noted B ☒	معتمد / Approved A ☐	:Receive	: Receiver / المستلم
---	--	---	---	----------------------------	--

القرار و التوصيات / Recommendation:

[illegible]

: Project Consultant/المشروعي

..... : Name/الاسم	 : Name/الاسم	الإستشاري Consultant
..... : Signature/التوقيع	 : Signature/التوقيع	
/... / ... : Date/التاريخ	/... / ... : Date/التاريخ	

 	 Project Management & Engineering Consultants	مونوريل الوفاء والأمل		
Material Submittal/ طلب اعتماد خامات				

التاريخ: 01-09-2024		No.: SAMCO-GMC-PMEC-MECH-MAT -PL-73-00	
المالك : الشركة الوطنية للطرق		المشروع : الوفاء والأمل	
إلى الإستشاري : PMECC Consulting Office		من المقاول: شركة سامكو الوطنية للتشييد	
أخرى	حريق	تكييف	✓ صحي
كهرباء	معماري	إنشائي	نوع الأعمال:
1- SWING Check valve PN 16 MODEL: km900 BRAND: kirmary SUPPLER: kirmary			التوصيف:
إقتراح جديد		طبقة للقائمة المعتمدة	
kirmary	إسم المورد:	kirmary	إسم المصنع:
مكان الإستخدام:		رقم البند بالمقايضة:	
رقم المواصفة:		بند مستجد	
بموقع المشروع		بالمكتب الإستشاري	
✓	الكتالوج الفني	العينات	
الاسم:	مدير المشروع المقاول	الاسم:	مدير المكتب الفني للمقاول
التوقيع:		التوقيع:	
نتيجة فحص الأعمال (الإستشاري)			
D	مرفوض Rejected	C	يعاد التقديم Resubmit
(B)	معتمد بشروط	A	معتمد Approved
القرار و التوصيات :			

Supplier distribution letter shall be provided with MIR.

 FOR PROJECT MANAGEMENT & ENGINEERING CONSULTANTS SUBMITTAL REVIEW	
SUBMITTAL CODE: B	A- APPROVED WITH COMMENTS B- APPROVED WITH COMMENTS C- AMEND AND RESUBMIT D- REJECTED - SEE REMARKS
REVIEWED BY: <i>Hager Abdessattah</i>	DATE: 2/9/2024
1- INSTALLATION SHALL PROCEED ONLY WHEN ACTION CODE IS A OR B. 2- ACTION CODED C SHALL BE RESUBMITTED WITHIN TIME LIMIT SET IN CONTRACT. 3- REVIEW DOES NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY OF COMPLIANCE WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.	

الاسم: التوقيع: التاريخ:	المهندس الإستشاري
--	-------------------

Client: 	(PMC): 	Contractor: 
---	--	---

MATERIAL SUBMITTAL FORM

Trade : ☐ Arch ☐ Civil ☒ Mech ☐ Elect ☐ Landscape ☐ Others

Project # : States lawsuits authority project (٣/٣)
 SUBJECT: VALVES FOR FIRE FIGHTING SYSTEM (HOSE VALVE , TEST AND DRAIN VALVE , FIRE DEPARTMENT CONNECTION SIAMESE , BALL VALVE , CHECK VALVE , COUPLING AND ACCESSORIES)

Specs. Code & Ref.	B.O.Q. Code Ref.	Drawing No.	Submittal No.
			Date Received:
			Date Returned:

Sub-contractor
 Name: المقاولون العرب Address: _____
 Address: _____ Phone: _____ Telex: _____

Manufacturer	Supplier/Agent
Name: KIRMARY	Name: KIRMARY
Address: _____	Address: _____
Phone: _____	Phone: _____
Fax: _____ Telex: _____	Fax: _____ Telex: _____

Information submitted and attached:

Certificates ☐	Operation & Maintenance Manual ☐
Technical Brochure ☐	Spare Parts List ☐
Manufacturer's Data & Specs. ☐	Warranty ☐
Samples ☐	Others (specify) ☐

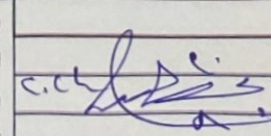
Contractor's Comments:

See Attachment ☐

Note: This review does not relieve the contractor (Contractor)
 of his responsibilities under the terms & Signature: AYMAN EZZ
 Conditions of the contract nor authorize
 additional compensation with respect to
 cost or time. Date: _____

PMC Comments: _____

See Attachment ☐

Status:	Discipline	Sign & Date	Project Manager
Approved ☐	☐ Arch		Sign : _____ Date : _____
Approved as noted ☐	☐ Civil		
Revise and submit ☐	☒ Mech		
Rejected ☐	☐ Elect		

00	19-May-25	Approval
Revision No.	Date	Reason

Project ITDA Warehouse LUXOR		
Owner HASWL		
Owner Consultant PGESCO		
Contractor Hassan Allam Construction (HAC)		
Material Submittal Title FIRE Fighting VALVE Brand KIRMARY		

10184-9-VHC-M00Z-00120 001
10184-CP-102-HAC-MSL-MECH-0095 00

PGESCO
Engineering & Construction
Supplier Document Status
CODE: 2

Code 1 = Work may proceed
Code 2 = Revise and resubmit. Work may proceed subject to resolution of indicated comments.
Code 3 = Rejected, Revise and resubmit. Work may not Proceed.
Code 4 = Review not required.

Permission to proceed does not constitute acceptance or approval of design details, calculations, analyses, test methods or materials developed or selected by the Supplier and does not relieve the Supplier from full compliance with contractual obligations.

Responsible Engineer - Dwidar, Mohame
Date Issued - 6/1/2025 11:
Supplier Requirement Category -
Equipment No. -

PGESCO. Document No.:			
Design By	Eng. Ahmed Abdelrhman	Contractor Document No.:	Rev.
Checked By	Eng. Ahmed Abdelrhman		
Approved By	Eng.	10184-CP-102-HAC-MSL-MECH-0095	00

Comments:

- ISO 9001 certificate shall be provided.
- Past experience shall be provided.
- Show for which piping class sheet these valves will be used for.
- Flange dimensions shall be as per ASME B16.42 class 150.
- Mark and select the sizes of the selected valves that will be provided.



Request for material approval



Date: 08/03/2025

Request No. ACC-MAT

Project No. & title:

Employer: مجلس الشيوخ	Engineer: القطاع الهندسي مجلس الشيوخ	Contractor:  The Arab Contractors Osman Ahmed Osman & Co. المقاولون العرب عثمان أحمد عثمان وشركاه
--------------------------	---	--

We request your attendance to inspect the following works :

اعتمادات فنية لخامات شركة كيرماري (انتاج شركة KM) UL&FM

1. Type : Buildings

2. Inspection time:

Date : 11/03/2025

3. Location :

Building

Floor

Element

Drawing No.

4. Inspection

☒ First

☒ Second

☐ Third

5. Purpose of the inspection:

1. Surveying

- ☐ Setting out
☐ Levels
☐ Verticality

3. Structure

- ☐ Formwork
☐ Reinforcement
☐ Concreting

5. Architecture

- ☐ Blockwork
☒ Plaster
☐ Metals
☐ Woods & Plastics
☐ Doors & Windows
☐ Wall Finish
☐ Floor Finish
☐ False Ceilings
☐ Roofing
☐ Waterproofing
☐ Painting
☐ Furniture

2. Earthworks

- ☐ Formation
☐ Sides of Excavation

4. Electro-Mech.

- ☐ First Fix
☐ Second Fix

Others (Specify) :

اعتماد محابس حريق

Particular Details :

Submitted by :

Eng: AMR MOKHTAR

Signature :

6. Inspection Report

Signature

☐

☐

☐

☐

☐

☐

Date/Time of inspection :

7. Engineer's Representative comments:

The works are :

☐

Approved

☒

Approved as Noted

☐

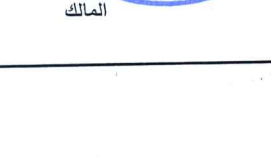
Rejected

Signature:

Date:

Attach all relevant particular test forms

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

  		اسم المشروع مشروع أعمال مكافحة الحريق - شركة القاهرة لإنتاج الكهرباء	
		المالك شركة القاهرة لإنتاج الكهرباء	
		الاستشاري JAS Consult - أ.د. / أشرف قطب	
		المقاول شركة سيفتي أند بروتكشن أسوسيشن S&P.A	
MATERIAL SUBMITTAL REQUEST (MSR) طلب اعتماد عينة / مواد			
رقم الطلب: CEP-MSR-MEC-0020-00 رقم الإصدار: 00		من: شركة سيفتي أند بروتكشن أسوسيشن التاريخ: 24/12/2024	
		EGECE رقم العقد: 82	
الرد / التقييم (المهندس الاستشاري)	عدد النسخ	العينة رقم الكتالوج / الخ ...	الرقم
بمعرفة	1	KIRMARY	OS&Y Gate Valve
			1
			2
			3
هذا أقرار من المقاول بأن جميع العينات أو المواد المقدمة قد تم فحصها بمعرفته، وهي مطابقة للمواصفات و متماشية مع بنود و مستندات العقد ما عدا التالي:			
عن مهندس المقاول:  مدير التنفيذ:  التوقيع:  التاريخ: 		من: الاستشاري ملاحظات الاستلام استشاري جهة التنفيذ:	
التوقيع:  التاريخ: 		ملاحظات الاستلام:	
تعريف بدرجات التقييم:		التاريخ: ٢٠٢٤ / ١٢ / ٢٤	
1 معتمدة 2 معتمدة بملاحظات 3 يعاد التقديم بعد اتمام الملاحظات 4 مرفوضة		ملاحظات عامة:	
أ - يتم استكمال الأعمال في حالة أن يكون التقييم (1) أو (2) ب - التحقق من الكميات يتم بمعرفة المقاول ج - هذا الفحص لا يعفي المقاول من مسؤوليته تجاه مطابقة تلك الخامات / المعدات لاشتراطات التعاقد		ملاحظات عامة:	
المالك		الاستشاري	



وزارة قطاع الأعمال
الشركة القابضة للصناعات المعدنية
ادارة السلامة والصحة المهنية
شركة النصر لصناعة الزجاج والبللور

مخرج مصنع النصر للزجاج والبللور

المقاول : سرايا للمقاولات

طلب معاينة مواد/معدات	
الرقم :	أصدار رقم : (00) يوم :
بتاريخ :	
مرجع نموذج الاعتماد :-	
التوصيف :	
نوع العمل :	☐ إنشائي ☐ مصري ☐ كهرباء ☒ ميكانيكي ☐ تكييف ☐ اخرى

برجاء التكرم بمعاينة وفحص المواد الآتي ذكرها تمهيدا لمتابعة الأعمال:

تفاصيل الأعمال :-

م	الوصف	الوحدة	الكمية	المستندات	تاريخ الوصول
1	Firefighting Valves – Kirmary Brand- FM/UL Certified				

مهندس المقاول : التوقيع : بتاريخ :

استلام الاستشاري : التاريخ : ٢٠٢٢/٤/٢٠

الملاحظات :
تم استلام الكمية المطلوبة من صمامات مكافحة الحريق
والمواد المطلوبة للصيانة والصيانة
اعتماد الاستشاري : الاسم : التوقيع : التاريخ : ٢٠٢٢/٣/٤

اعتماد : ☒ A معتمد
☐ B معتمد مع ملاحظات ويمكن للعمل أن يستمر بناء على الملاحظات.
☐ C الطلب مرفوض ويعاد للتقديم مرة أخرى.
☐ D الطلب مرفوض ولا يعاد تقديمه.

استلام المقاول : التوقيع : التاريخ : ٢٠ / /



طلب اعتماد عينات
(SIR)

اسم المشروع : اصلاح تليات وتطوير مبنى المعهد القومي للأورام - فم الخليج (امتداد امر مفاد ٢ - المبنى الشمالي)
ملك : جامعة القاهرة

الاستشاري المشرف على التنفيذ : مركز استشارات وبحوث التنمية والتخطيط التكنولوجي - جامعة القاهرة

مقدم من المقاول : شركة المقاولون العرب
رقم العقد : ٢٠١ / ٠٠ / ٠٠
التاريخ :

رقم الطلب : التاريخ : ٢٠١٢ / ١٢ / ٢٠

توصيف للبند : مواد بناء بعمق ١٠ متر كمنظية - ٢٠١

رقم البند بكراسة الكميات والمواصفات :

البند :-
☐ اعتماد عينات ☐ اعتماد مواصفات
☐ اعتماد اختبارات ☐ اعتماد خطوات التنفيذ بالموقع

ملاحظات	توصيف البند	م
	ماتر بعمق ١٠ متر كمنظية - ٢٠١	
	١) حصة كوة جاكوبني موديل Not Approved 2500	
	٢) حصة كوة كريمة موديل Approved 0191	
	٣) حصة كوة كريمة موديل Approved K250	

ممثل المقاول : محمد محمود ابوزهره التاريخ : ٢٠١٢ / ١٢ / ٢٠

التوقيع :

الإعتماد :- موافق ☐ غير موافق ☐ موافق مع ملاحظات ☐

الملاحظات : حصة قبل الحسابات ٢٠٢٠ موديل

ممثل الاستشاري : التاريخ & الوقت

التوقيع :

مشروع المبني الاداري لمجموعة سياتك القابضة

أسم المشروع : مشروع المبني الاداري لمجموعة سياتك القابضة
رقم المشروع :

طلب اعتماد مواد	
الرقم : SIAC/MAR/MECH /097	اصدار رقم (00)
مرجع الرسومات : SIAC-MB-SD-MECH	مرجع المواصفات / قائمة الكميات : 211200 & 211313
الموضوع : ZONE CONTROL VALVES	

نوع التقديم :	
☐ عينات	☒ مستندات

التوصيف :						
☐ أنشائي	☐ معمارى	☐ كهرباء	☒ حريق	☐ صحى	☐ تكييف	☐ أخرى

م	أسم المادة	توصيف المادة	المصنع	بلد الصنع
1	ZONE CONTROL VALVES	FLANGE GATE VALVE	KIRMARY	USA
2		FLANGED CHECK VALVE	KIRMARY	USA
3		Test & Drain Valve	KIRMARY	USA
4		PFE PRESSURE GUAGE	WINTER	CANDA
5		POTTER-FLOW SWITCH	POTTER	USA
6		POTTER-TAMPER SWITCH	POTTER	USA

مدير قسم الميكانيكا: م / محمد عبد المحسن حامد	التوقيع م /	بتاريخ: 19/08/2024
---	-------------	--------------------

أستلام الاستشاري : Email Tue 20/08/24 12:55.....	بتاريخ: / / 2024
--	------------------

ملاحظات
1-Coutries origin certificate from USA , Canda to be submitted. 2-Test factories certificates to be submitted. 3-UL FM listed from USA to be submitted for all components. 4-Need interface with the fire alarm system. 5-To be approved by local civil defense and ACUD. 6-Selection on catalogs is required.
اعتماد الإستشارى : الأسم : Eng / A. Abd El Fattah..... التوقيع : التاريخ : 2024 / 08 / 24

اعتماد الإستشارى :

توقيع المهندس المشرف الأسم : Eng / A. Abd El Fattah التوقيع :	A معتمد. B معتمد مع ملاحظات ويمكن للعمل أن يستمر بناء على الملاحظات. C مرفوض مع ملاحظات ويعاد التقدم للاعتماد. D الطلب مرفوض ولايعاد للتقديم مرة أخرى.
--	--

أستلام المقاول : الأسم : التوقيع : التاريخ : 20 / /

مشروع المبني الاداري لمجموعة سياك القابضة

أسم المشروع : مشروع المبني الاداري لمجموعة سياك القابضة
رقم المشروع :

طلب اعتماد مواد	
الرقم : SIAC/MAR/MECH /094	اصدار رقم (00)
مرجع الرسومات : SIAC-MB-SD-MECH	مرجع المواصفات / قائمة الكميات : 211200 & 211313
الموضوع : FLANGE GATE VALVE	

نوع التقديم :	
☐ عينات	☒ مستندات

التوصيف :	
-----------	--

☐ أنشائي	☐ معماري	☐ كهرباء	☒ حريق	☐ صحي	☐ تكييف	☐ أخرى
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م	أسم المادة	توصيف المادة	المصنع	بلد الصنع
1	VALVES	FLANGE GATE VALVE	KIRMARY	USA

مدير قسم الميكانيكا: م / محمد عبد المحسن حامد	التوقيع م /	بتاريخ: 19/08/2024
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أستلام الاستشاري: Email Tue 20/08/24 12:45.....	بتاريخ: / / 2024
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<u>ملاحظات</u> 1-Country origin certificate from USA to be submitted. 2-Test certificate for UL FM listed to be submitted. 3-Selection is required for the applied diameter in our project. اعتماد الإستشاري : الأسم : Eng / A. Abd El Fattah..... : التاريخ : 2024 / 08 / 24

اعتماد الإستشاري :

توقيع المهندس المشرف الأسم : Eng / A. Abd El Fattah التوقيع :	A معتمد. B معتمد مع ملاحظات ويمكن للعمل أن يستمر بناء على الملاحظات. C مرفوض مع ملاحظات ويعاد التقدم للاعتماد. D الطلب مرفوض ولايعاد للتقديم مرة أخرى.
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أستلام المقاول : الأسم : : التاريخ : 20 / /

مشروع المبني الاداري لمجموعة سيك القابضة

أسم المشروع : مشروع المبني الاداري لمجموعة سيك القابضة
رقم المشروع :

طلب اعتماد مواد	
الرقم : SIAC/MAR/MECH /086	اصدار رقم (00)
مرجع الرسومات : SIAC-MB-SD-MECH	مرجع المواصفات / قائمة الكميات : 211200 & 211313
الموضوع : Ball Valve	

نوع التقديم :	
☐ عينات	☒ مستندات

التوصيف :	
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☐ أنشائي	☐ معماري	☐ كهرباء	☒ حريق	☐ صحي	☐ تكييف	☐ أخرى
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م	أسم المادة	توصيف المادة	المصنع	بلد الصنع
1	Valve	Ball Valve	KIRMARY	USA

مدير قسم الميكانيكا : م / محمد عبد المحسن حامد	التوقيع م /	بتاريخ : 1/08/2024
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أستلام الاستشاري : EMAIL 20 August 2024 11:22..... بتاريخ : / / 2024
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<u>ملاحظات</u> 1-USA is the manufacturing factory country origin of UL FM -listed for the firefighting system. 2-Test factory from USA to be submitted with the delivery. 3-QA/QC engineers from Siac to inspect the production of the required valves prior to delivery to site. 4-Selection on catalog is required for the applicable diameter refering to design. 5-Sample is required to check the quality.

أعتماد الاستشاري : الأسم : Eng / A. Abd El Fattah..... التوقيع : التاريخ : 2024 / 08 / 21

أعتماد الإستشاري :

توقيع المهندس المشرف الأسم : Eng / A. Abd El Fattah التوقيع :	A معتمد. B معتمد مع ملاحظات ويمكن للعمل أن يستمر بناء على الملاحظات. C مرفوض مع ملاحظات ويعاد التقدم للاعتماد. D الطلب مرفوض ولايعاد للتقديم مرة أخرى.
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أستلام المقاول : الأسم : التوقيع : التاريخ : 20 / /

مشروع المبني الاداري لمجموعة سيك القابضة

أسم المشروع : مشروع المبني الاداري لمجموعة سيك القابضة
رقم المشروع :

طلب اعتماد مواد		
الرقم : SIAC/MAR/MECH /089	اصدار رقم (00)	التاريخ : 19/08/2024
مرجع الرسومات: SIAC-MB-SD-MECH	مرجع المواصفات / قائمة الكميات: 211200 & 211313	
الموضوع: Siamese Connection		

نوع التقديم :	
☐ عينات	☒ مستندات

التوصيف :						
☐ أنشائي	☐ معمارى	☐ كهرباء	☒ حريق	☐ صحى	☐ تكييف	☐ أخرى

م	أسم المادة	توصيف المادة	المصنع	بلد الصنع
1	Valves	Siamese Connection	KIRMARY	USA

مدير قسم الميكانيكا : م / محمد عبد المحسن حامد	التوقيع م /	بتاريخ : 19/08/2024
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أستلام الاستشاري : EMAIL 20 August 2024 12:35.....	بتاريخ : / / 2024
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ملاحظات
1-Country origin to be USA - UL FM listed. 2-To be approved by local civil defense and ACUD. 3-Test certificate from USA to be submitted. 4-Threaded of hose to be matched with Siamese connection.

أعتماد الاستشاري : الاسم : End / A. Abd El Fattah.....	التوقيع : التاريخ : 2024 / 08 / 21
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أعتماد الإستشاري :

توقيع المهندس المشرف الاسم : Eng / A. Abd El Fattah التوقيع :	A معتمد.
	B معتمد مع ملاحظات ويمكن للعمل أن يستمر بناء على الملاحظات.
	C مرفوض مع ملاحظات ويعاد التقدم للاعتماد.
	D الطلب مرفوض ولايعاد للتقديم مرة أخرى.

أستلام المقاول : الاسم : التاريخ : 20 / /

مشروع المبني الاداري لمجموعة سياتك القابضة

أسم المشروع : مشروع المبني الاداري لمجموعة سياتك القابضة
رقم المشروع :

طلب اعتماد مواد	
الرقم : SIAC/MAR/MECH /085	اصدار رقم (00)
مرجع الرسومات : SIAC-MB-SD-MECH	مرجع المواصفات / قائمة الكميات : 211200 & 211313
الموضوع : ANGLE VALVE	

نوع التقديم :	
☐ عينات	☒ مستندات

التوصيف :	
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☐ أنشائي	☐ معماري	☐ كهرباء	☒ حريق	☐ صحي	☐ تكييف	☐ أخرى
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م	أسم المادة	توصيف المادة	المصنع	بلد الصنع
1	VALVE	ANGLE VALVE	KIRMARY	USA

مدير قسم الميكانيكا : م / محمد عبد المحسن حامد	التوقيع م /	بتاريخ : 19/08/2024
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أستلام الاستشاري : EMAIL 20 August 2024 11:27.....	بتاريخ : / / 2024
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<u>ملاحظات</u> 1-Country origin for the factory manufacturing to be USA - UL FM -listed. 2-Test certificate from the factory to be submitted with the delivery. 3-Local civil defense to be approved the type of valve. 4-Local hose reel to be matched with the threaded of valve. 5-Selection on catalog is required refer to design. 6-Pressure rating to be matched with the project. 7-Sample is required. أعتماد الإستشاري : الأسم : Eng / A. Abd El Fattah..... التوقيع : التاريخ : 2024 / 08 / 21
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أعتماد الإستشاري :

توقيع المهندس المشرف الأسم : Eng / A. Abd El Fattah التوقيع :	A معتمد.
	B معتمد مع ملاحظات ويمكن للعمل أن يستمر بناء على الملاحظات.
	C مرفوض مع ملاحظات ويعاد التقدم للاعتماد.
	D الطلب مرفوض ولايعاد للتقديم مرة أخرى.

أستلام المقاول : الأسم : التوقيع : التاريخ : / / 20



KIRMARY International L.L.C.

KIRMARY USA Office

KIRMARY International L.L.C.

Address: 91 LINDEN AVE IRVINGTON TOWNSHIP, NEW JERSEY 07111

MOB.+1 5517553043

KIRMARY DUBAI Office

KIRMARY TRADING L.L.C

Address: PT2-C05 MALAK DUBAI INDUSTRIAL CITY

MOB. +971 54 477 8505

KIRMARY Egypt Office

KIRMARY FOR ENGINEERING SUPPLIES

Address: 5 A Khaled Ebn El Waleed St., Sheraton, Cairo, Egypt

MOB. 012 27905248