

KIR



SHANGDONG LEDE MACHINERY CO., LTD
VALVES

HVAC & PLUMBING WORKS



MARY



1	Warranty letter
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3	Approvals



KIRMARY Company

for engineering supplies

import & export

Trading agencies

LEDE[®]

SHANDONG LEDE MACHINERY CO., LTD.



Warranty Letter

LEDE

GROOVED FITTINGS AND VALVES

Warranty

We warrant all Lede products to be free from defects in materials and workmanship under normal conditions of use and service. Our obligation under this warranty is limited to repairing or replacing at our option at our factory or designated facility any product which shall within fifteen **years** after delivery to the original buyer be returned with transportation charges prepaid, and which our examination and inspection shall show to our satisfaction to have been defective.

This warranty is made expressly in lieu of any other warranties, express or implied, including any implied warranty of merchant ability or fitness for particular purpose. The buyer's sole and exclusive remedy shall be for the replacement or repair of defective products as provided herein. The buyer agrees that no other remedy (including but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property or any other incidental or consequential loss) shall be available to him/her.

Lede neither assumes nor authorizes any person to assume for it any other liability in connection with the sale of such products.

This warranty shall not apply to any product which has been the subject to misuse, negligence or accident, which has been repaired or altered in any manner outside of **Lede's** factory or designated facility or which has been used in manner contrary to **Lede's** instructions, recommendations or generally accepted practices. **Lede** shall not be responsible for design errors due to inaccurate or incomplete information supplied by the buyer or his representatives.

For and on behalf of
SHANDONG LEDE MACHINERY CO., LTD.

许洁

Authorized Signature(s)



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LEDE[®]

SHANDONG LEDE MACHINERY CO., LTD.



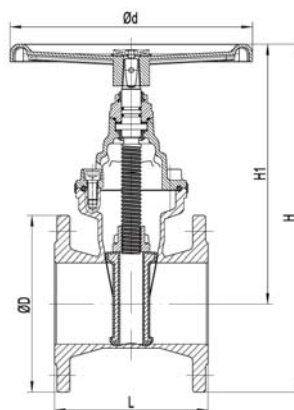
Data Sheets & Certificates

BS5163 Resilient seated NRS gate valve-flange end

Model No. Z45X-02



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



Technical data >

- Sizes: DN50~DN600
- Working pressure: PN10/PN16
- Valve standard: BS5163
- Flange standard: EN1092-2
- Temperature range: 0 ~ 80°C

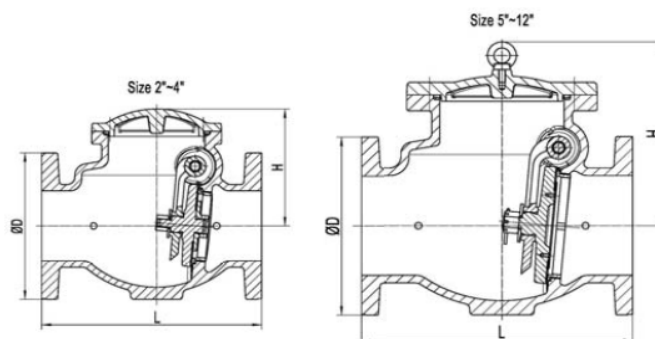
Dimensions		Pressure rating	Size (mm)				
DN	inch	PN	φD	L	H1	H	φd
50	2	10/16	165	178	256	338.5	203
65	2.5	10/16	185	190	256	348.5	203
80	3	10/16	200	203	273.5	373.5	203
100	4	10/16	220	229	323.5	433.5	254
125	5	10/16	250	254	376	501	300
150	6	10/16	285	267	423.5	566	300
200	8	10	340	292	530.5	700.5	406
		16	340		530.5	700.5	
250	10	10	400	330	645	845	406
		16	400		645	845	
300	12	10	455	356	725.5	953	406
		16	455		725.5	953	
350	14	10	505	381	814	1066.5	500
		16	520		814	1074	
400	16	10	565	406	935	1217.5	600
		16	580		935	1225	
500	20	10	670	457	1154	1489	700
		16	715		1154	1511.5	
600	24	10	780	508	1318	1708	700
		16	840		1318	1738	

AWWA C508 resilient seated swing Check valve flange end

Model No. H44X



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 >

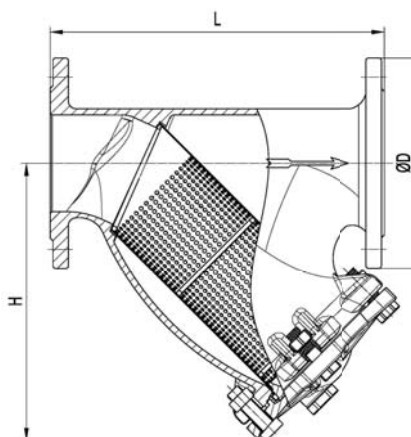
- Sizes: 2"~12"
- Working pressure: 300psi
- Valve standard: AWWA C508
- Flange standard: ASME-B16.1 Class125
- Temperature range: 0 ~ 80°C

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	495	352
250	10	300	406	559	411
300	12	300	483	660	480

Y-Strainer flange end

Model No. 6101

Name of parts	Material
Body	Ductile iron
Cover	Ductile iron
Gasket	EPDM
Screen	SS304
Plug	Bronze



Technical data >

- Sizes: DN50~300
- Working pressure: PN10/16/25
- Flange standard: EN1092-2 and ASME-B16.1 Class125
- Temperature range: 0 ~ 80°C

Dimensions		Pressure rating	Size (mm)		
DN	inch	PN	φD	L	H
50	2	PN10/16/25	165	230	154
65	2.5	PN10/16/25	185	290	201
80	3	PN10/16/25	200	310	210
100	4	PN10/16/25	220	350	269
125	5	PN10/16/25	250	400	320
150	6	PN10/16/25	285	480	357
200	8	PN10/16/25	340	550	442



OFFICIAL LISTING

NSF International Certifies that the products appearing on this Listing conform to the requirements of
NSF/ANSI Standard 61 - Drinking Water System Components - Health Effects

This is the Official Listing recorded on February 23, 2017.

Shandong Lede Machinery Co., Ltd.
No. 3998 West Waihuan North Road
Weicheng District, Weifang
Shandong 261057
China
86 536 8167992

Facility: Shandong, China

Mechanical Devices

Trade Designation	Size	Water Contact Temp	Water Contact Material
Valves			
Gate Valve 1110	4" - 24"	C. HOT	MLTPL
Gate Valve 1112	4" - 24"	C. HOT	MLTPL

[G] Product is Certified to NSF/ANSI 372 and conforms with the lead content requirements for "lead free" plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act.

Note: Additions shall not be made to this document without prior evaluation and acceptance by NSF International.

NSF International

789 N. Dixboro Road, Ann Arbor, MI 48105 USA

RECOGNIZES

Shandong Lede Machinery Co., Ltd.

China

AS COMPLYING WITH NSF/ANSI 61, 372 AND ALL APPLICABLE REQUIREMENTS.
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
AUTHORIZED TO BEAR THE NSF MARK.



Certification Program
Accredited by the
American National
Standards Institute



Certification Program
Accredited by the
Standards Council
of Canada

This certificate is the property of NSF International and must be returned upon request. This certificate remains valid as long as this client has products in Listing for the referenced standards. For the most current and complete Listing information, please access NSF's website (www.nsf.org).

Theresa Bellish

February 8, 2017
Certificate# C0294056 - 01

Theresa Bellish
General Manager, Water Systems



This certifies that

AQUA CASTING INC.

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

Z45X-02 NON-RISING RESILIENT STEM SEATED GATE 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:

September 2028

Certificate No.

2309303

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



11th September 2023

Aqua Casting INC.
West of Haiyun Road and North of
Zhujiang East 2 street,
Binhai Economic Development District,
Weifang, Shandong Province

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

Approval Number 2309303

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:
www.wrasapprovals.co.uk.

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.

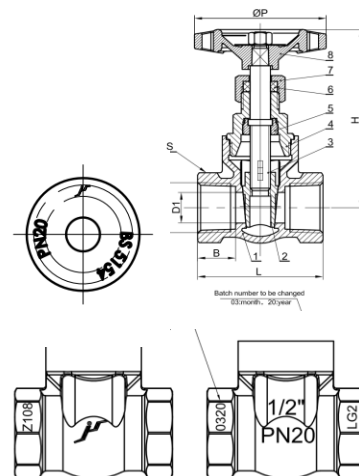
Since the incorrect installation of Products will not be within the scope of an approval and may result in contravention of the Regulations or Byelaws requirements, **the attention of your customers should be drawn to any IRNs applied.**

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 **11th October 2023**.

Yours Faithfully

Ian Hughes
WRAS Approvals Manager

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



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.**

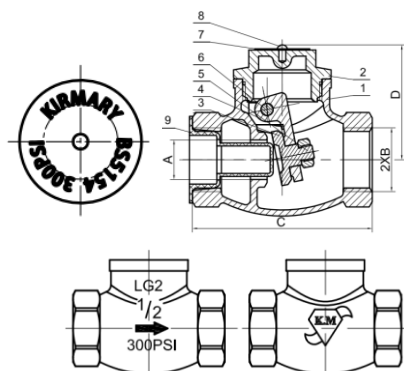
4. Please note that the use of the Products described in any particular area of supply is at the discretion of the Water Company (water undertaker) in that area.
5. Approval Holders may quote in their sales literature that their product is WRAS approved. A WRAS product approval demonstrates that a water 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



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



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'.

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.

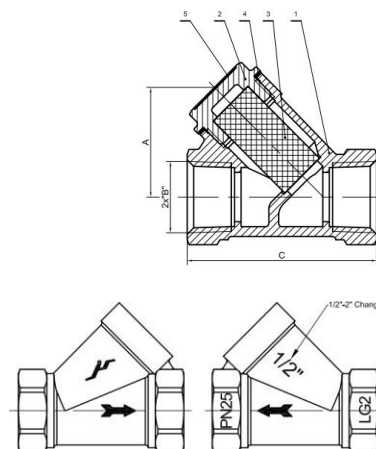
Since the incorrect installation of Products will not be within the scope of an approval and may result in contravention of the Regulations or Byelaws requirements, **the attention of your customers should be drawn to any IRNs applied.**

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

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



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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.

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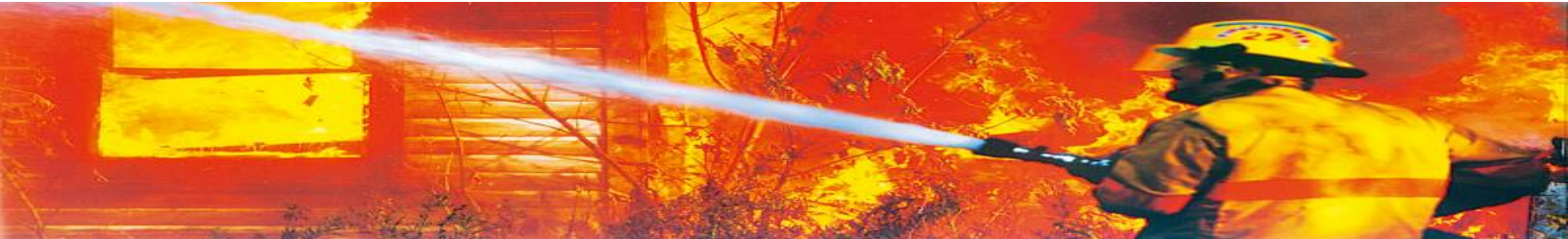
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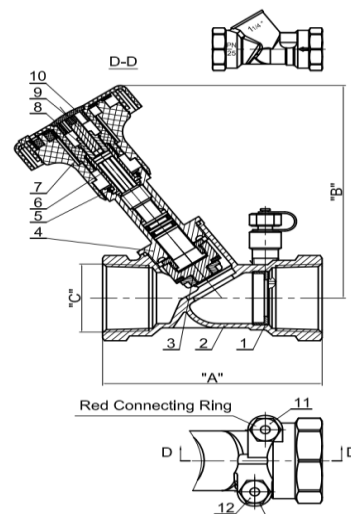
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7. Please verify the details of your Product as set out in the approval information and advise us of any discrepancies by no later than **17th February 2024**.

Yours Faithfully

Ian Hughes
WRAS Approvals Manager



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



This certifies that

NINGBO HUACHENG VALVE CO LTD

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

L101 MANUALLY OPERATED BALANCING 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 2025

Certificate No.

2012318

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



18th December 2020

Ningbo Huacheng Valve Co Ltd
NO 103 CHEZHAN EAST ROAD,
HUANGTAN TOWN,
ZHEJIANG,
315600
CHINA

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

Approval Number: 2012318

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 Advisory 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: www.wras.co.uk.

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 **18th January 2021**.

Yours Faithfully

A handwritten signature in blue ink, appearing to read 'Ian Hughes', with a stylized flourish at the end.

Ian Hughes
WRAS Approvals Manager



KIRMARY Company

for engineering supplies

import & export

Trading agencies

LEDE[®]

SHANDONG LEDE MACHINERY CO., LTD.



Approvals

Material Approval Request

Reviewed

Mr Usama Salem 07/05/2025

Ref. No: MAR-CPC16-OC-ACE-00319-00		Rev. No:00		Mr Usama Salem 07/05/2025
Project Name: P1-Multi-Family Clusters “C1 & C2 & C4”		Date: 07/05/2025		
Employer: ORA Developers		Contractor: Orascom Construction		
Engineer: JLL		Supervision Consultant: ACE		
Cluster: C1&C2&C4	Building No.:General	Floor Level: General	Activity: General	
Subject: Installation Works / Material List Submittal PLUMBING VALVES – KIRMARY / LEDE (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.:	22 05 23			
Product Name :	KIRMARY / LEDE				Compliance Sheet:	☐ Submitted ☒ Not Submitted			
Purpose/ Use :	PLUMBING VALVES FOR WATER METERS- KIRMARY / LEDE				BoQ Item no.:	22 05 23			
<u>Description of Material to be inspected:</u> PLUMBING VALVES FOR WATER METERS- KIRMARY / LEDE									
<u>Attachments:</u> 1. Compliance sheet 2. Prequalification. 3. Data sheet. 4. Test certificate. 5. Previous approvals. 6. Letters from vendor.									
Authorised Personnel:	Job title:		Signature:						
Suzan william	Material Manager		suzan						



Site Supervision Consultant Response:

Remarks:

CODE (B)

- technically accepted subject to (VCR - CPC16 - OC - ACE - 00078 - 00) Approval .
- Certificate of origin , updated test Certificate and Warranty Certificate to be submitted Prior to delivery .
- quantity and location of installation should be as per approved shop drawings and BOQ .
- material samples (PN 16) should be submitted for final approval
- Agency & main distributor certificate shall be Provided .

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 :
Mohamed Ismail	Mohamed Ismail	20 / 5 / 2025

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 لمعدات: المحابس ماركة KM - صناديق الحريق ماركة KM - مضخات spp - هناجر صناعة USA - مضخات برينسول ومواسير ماركة TIGER - مضخات STEEL صناعة UAE - (محابس حريق - محابس صرف - وصلات جر وفد) ليدى - وصلات فلافوط 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 ويتم إدراجها 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 بذلك 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 سراي القبة - رمز بريدي : 11712

14 شارع السبكي - خلف نادى هليوبوليس

مصر الجديدة - القاهرة - جمهورية مصر العربية

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



مشروع
جراج الورد

 Integrated Contracting	 SAMCO EGYPT	 Project Management & Engineering Consultants	 PRIME CONSULTING OFFICE	 الجمهورية العربية السورية
المقاول :- جي ام سي للمقاولات المتكاملة	المقاول :- شركة سامكو الوطنية للتشييد	الاستشاري الإلكتروني للمشروعات :- PROJECT MANAGEMENT ENGINEERING CONSULTANTS	الاستشاري :- PRIME CONSULTING OFFICE	المالك: الشركة الوطنية للطرق

(Submittal - Material)

PRIME CONSULTING OFFICE	إلى الاستشاري :-	من المقاول العام :	الشركة الوطنية للتشييد والبناء سامكو
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رقم الطلب	SAMCO-GMC-MECH-MAT-PL-48	الإصدار	0	التاريخ	21-11-2022
الموضوع	GATE VALVE PN16 MODEL : Z45X-02 محبس عزل لأعمال التغذية بالبدروم وغرفة المضخات CHECK VALVE PN 16 MODEL : H44X محبس عدم رجوع لأعمال التغذية Y STRAINER PN16 MODEL : 6101 مصفاة لأعمال التغذية	المرفقات	Warranty Letter & Certificates & DATA SHEET		
المالكة	LEDE	المخود	KIRMARY		

نوع الإنشغال	المكان	معماري	كهرباء	ميكانيكا	مساحة	أخرى
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تعهد المقاول: المستندات المرفقة تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في المشروع من قبل المقاول

مدير المشروع	المكتب الفني
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مدير المشروع	المكتب الفني
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ملاحظات الاستشاري	* The vendors are approved for domestic work usage only (not for fire fighting). * previous experience shall be provided.
FOR PROJECT MANAGEMENT & ENGINEERING CONSULTANTS	SUBMITTAL REVIEW SUBMITTAL CODE: A- APPROVED WITHOUT COMMENTS B- APPROVED WITH COMMENTS C- AMEND AND RESUBMIT D- REJECTED - SEE REMARKS REVIEWED BY: <i>Hezar AbdelFattah</i> DATE: 21-11-22 1- INSTALLATION SHALL PROCEED ONLY WHEN ACTION CODE IS A OR B. 2- ACTION CODE 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.

التاريخ:	التوقيع:	الاعتماد بواسطة:	الاستشاري المختص
يعاد التقديم مرة أخرى بعد اتمام الملاحظات	معتد	معتد مع ملاحظات - يمكن للمقاول ان يستمر بندا على الملاحظات	اعتماد الاستشاري
الطلب مرفوض	معتد	اعتماد الاستشاري	استلام المقاول
بتاريخ: / /	بتاريخ: / /	بتاريخ: / /	بتاريخ: / /

التوقيع قبل الاعتماد: 21-11-22

المالك:	الاستشاري:
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المالك	المقاول	الاستشاري	مهندس	معماري	كهرباء	تكييف	تخطيط	Q.S
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مشروع
الوقاء و الأمل

 Integrated Contracting	 EGYPT	 Project Management & Engineering Consultants	 PRIME CONSULTING OFFICE	 الجمهورية العربية السورية
المقاول :- جى ام سى للمقاولات المتكاملة	المقاول :- شركة سامكو الوطنية للتشييد	الاستشاري الإلكتروني: PROJECT MANAGEMENT ENGINEERING CONSULTANTS	الاستشاري :- PRIME CONSULTANTING OFFICE	المالك: الشركة الوطنية للطرق

(Submittal - Material) طلب اعتماد خانات				
إلى الإستشاري :-		PRIME CONSULTANTING OFFICE		من المقاول العام :
رقم الطلب	SAMCO-GMC-MECH-MAT-W&A-PL-21	الإصدار	0	التاريخ 2022-11-30
الموضوع	CHECK VALVE PN 16 MODEL : H44X محبس عدم رجوع لأعمال التفنية	مرفقات	Warranty Letter & Certificates & DATA SHEET	
الماركة	LEDE	المورد	KIRMARY	
نوع الاعل	تسقي	مصري	كهرباء	ميكانيكا
تعهد المقاول: المستندات المرفقة تتسقيها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في المشروع من قبل المقاول				
مقاول الكهرباء ميكانيكا				
 المكتب الفني مدير المشروع				

المقاول العام	المكتب الفني	مدير المشروع
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ملاحظات الإستشاري

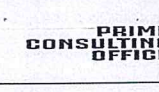
1- Approved as in the Monorail El-borg project with the same comments , recommendation and technical approvals. .

 FOR PROJECT MANAGEMENT & ENGINEERING CONSULTANTS SUBMITTAL REVIEW SUBMITTAL CODE: A- APPROVED WITHOUT COMMENTS B- APPROVED WITH COMMENTS C- AMEND AND RE-SUBMIT D- REJECTED - SEE REMARKS REVIEWED BY: <i>Hegazy Abdel Fatah</i> DATE: 4-12-2022	
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الإستشاري المختص	الإعتماد بواسطة:	التاريخ:
1- ACTION CODED C SHALL BE RESUBMITTED WITH ALL COMMENTS AND REVISIONS WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS. 2- ACTION CODED B SHALL BE RESUBMITTED WITH ALL COMMENTS AND REVISIONS WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.	معتمد مع ملاحظات - يمكن للمقاول ان يستمر بناء على الملاحظات معتمد	ب ا
اعتماد الإستشاري	استلام المقاول	بتاريخ 4-12-2022 بتاريخ:

التوزيع قبل الاعتماد:	المالك:
التوزيع بعد الاعتماد:	المقاول:
المهندس مهندس معماري كهرباء تكييف ميكانيكا QS	المهندس مهندس معماري كهرباء تكييف ميكانيكا QS

مفرد
جداول

 Integrated Contracting	 SAMCO EGYPT	 Project Management & Engineering Consultants	 PRIME CONSULTING OFFICE	
المقاول :- جي ام سي للمقاولات المتكاملة	المقاول :- شركة سامكو الوطنية للتشييد	الاستشاري :-PROJECT MANAGEMENT ENGINEERING CONSULTANTS&	PRIME CONSULTANTING OFFICE:- (الاستشاري)	المالك: الشركة الوطنية للطرق

(Submittal - Material)	
طلب اعتماد خامات	
إلى الاستشاري :- PRIME CONSULTANTING OFFICE	من المقاول العام :
الشركة الوطنية للتشييد والبناء سامكو	

رقم الطلب	SAMCO-GMC-MECH-MAT-PL-48	الإصدار	0	التاريخ	21-11-2022
الموضوع	GATE VALVE PN16 MODEL : Z45X-02 محابس عزل لأعمال التغذية باليدروم وغرفة المضخات CHECK VALVE PN 16 MODEL : H44X محابس عدم رجوع لأعمال التغذية Y STRAINER PN16 MODEL : 6101 مصفاة لأعمال التغذية	المرفقات		Warranty Letter & Certificates & DATA SHEET	
المالك	LEDE	المورد	KIRMARY		

☐ معمل ☐ ميكانيكا ☐ كهرباء ☐ أخرى	تم إعداد المستندات المرفقة لتسقيها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في المشروع من قبل المقاول مدير المشروع
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المقاول العام	للمكتب الفني
مدير المشروع	

X The vendors are approved for domestic work usage only (not for fire fighting).

X previous expiency shall be provided

FOR PROJECT MANAGEMENT & ENGINEERING CONSULTANTS	
SUBMITTAL REVIEW	
SUBMITTAL CODE:	
A- APPROVED WITHOUT COMMENTS	B- APPROVED WITH COMMENTS
C- AMEND AND RESUBMIT	D- REJECTED - SEE REMARKS
REVIEWED BY: <i>Eng. Abdel Fattah</i>	DATE: <i>21-11-22</i>
1. INSTALLATION SHALL BE DONE ONLY WITH 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 COMPLETION WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.	

الاستشاري المختص	الاعتماد بواسطة:	التوقيع:
☐ 1 ☒ 2	☐ معتمد ☒ معتمد مع ملاحظات - يمكن للمقاول ان يستمر بناء على الملاحظات	21-11-22
اعتماد الاستشاري	اصلاح المقبول	التوقيع قبل الاعتماد:
م/	الإستشارة بواسطة:	المالك:
		التوقيع بعد الاعتماد:

المقاول	المالك
مدني معماري ميكانيكا كهرباء تكييف ميكانيكا تخطيط Q.S	الاستشاري ميكانيكا كهرباء تكييف ميكانيكا تخطيط Q.S

مشروع
الوفاء و الأمل

DOC-DWG
AS

مذروح
جراج الورق

 Integrated Contracting	 SAMCO EGYPT	 Project Management & Engineering Consultants	 PRIME CONSULTING OFFICE	 الجمهورية العربية السورية
المقاول :- جي إم سي للمقاولات المتكاملة	المقاول :- شركة سامكو الوطنية للتشييد	الاستشاري :- الشركة الوطنية للتشييد PROJECT MANAGEMENT ENGINEERING CONSULTANTS &	PRIME CONSULTANTING OFFICE :- الاستشاري	المالك: الشركة الوطنية للطرق

(Submittal - Material)
طلب اعتماد مخامات

إلى الإستشاري :-	PRIME CONSULTANTING OFFICE	من المقاول العام :	الشركة الوطنية للتشييد والبناء سامكو
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رقم الطلب	SAMCO-GMC-MECH-MAT-PL-48	الإصدار	0	التاريخ	21-11-2022
الموضوع	GATE VALVE PN16 MODEL : Z45X-02 محبس عزل لأعمال التغذية باليدروم وغرفة المضخات CHECK VALVE PN 16 MODEL : H44X محبس عدم رجوع لأعمال التغذية Y STRAINER PN16 MODEL : 6101 مصفاة لأعمال التغذية	المرفقات	Warranty Letter & Certificates & DATA SHEET		
الماركة	LEDE	المود	KIRMARY		

تقيد المقاول: المستندات المرفقة تلتصقا ومراجعت من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في المشروع من قبل المقاول

مدير المشروع

المكتب الفني

21-11-2022

المقاول العام

المكتب الفني

مدير المشروع

The vendors are approved for domestic work usage only (not for fire fighting).

previous expiency shall be provided.

ملاحظات الإستشاري

FOR PROJECT MANAGEMENT & ENGINEERING CONSULTANTS

SUBMITTAL REVIEW

SUBMITTAL CODE:

A- APPROVED WITHOUT COMMENTS
B- APPROVED WITH COMMENTS
C- AMEND AND RESUBMIT
D- REJECTED - SEE REMARKS

REVIEWED BY: *Heba AbdelFattah* DATE: *21-11-22*

1. INSTALLATION SHALL BE DONE ONLY WHEN ACTION CODE IS A OR B.
2. ACTION CODE C SHALL BE RESUBMITTED WITHIN TIME LIMIT SET IN CONTRACT.
3. REVIEW DOES NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY OF COMPLIANCE WITH ALL REQUIREMENTS IN THE SUBMITTAL DOCUMENTS.

التاريخ:	21-11-22	التوقيع:		الاعتماد بواسطة:		الإستشاري للخص:	
يعد التقديم مرة أخرى بعد اتمام الملاحظات	☐	مستند	☐	مستند مع ملاحظات - يمكن للمقاول ان يستمر بناء على الملاحظات	☒	1	
الطلب مرفوض	☐						
بثارة/.....				اعتماد الإستشاري			
بثارة/.....				استلام المقبول			
				التوقيع قبل الاعتماد:			
				التوقيع:			
				التوقيع بعد الاعتماد:			
				المقاول			
				الإستشاري			
QS	تخطيط	تخطيط	تخطيط	تخطيط	تخطيط	تخطيط	تخطيط