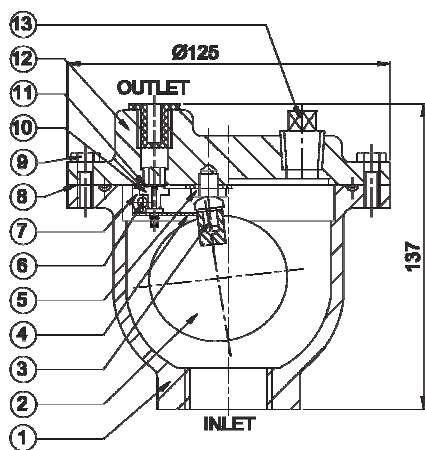




FIG 1



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

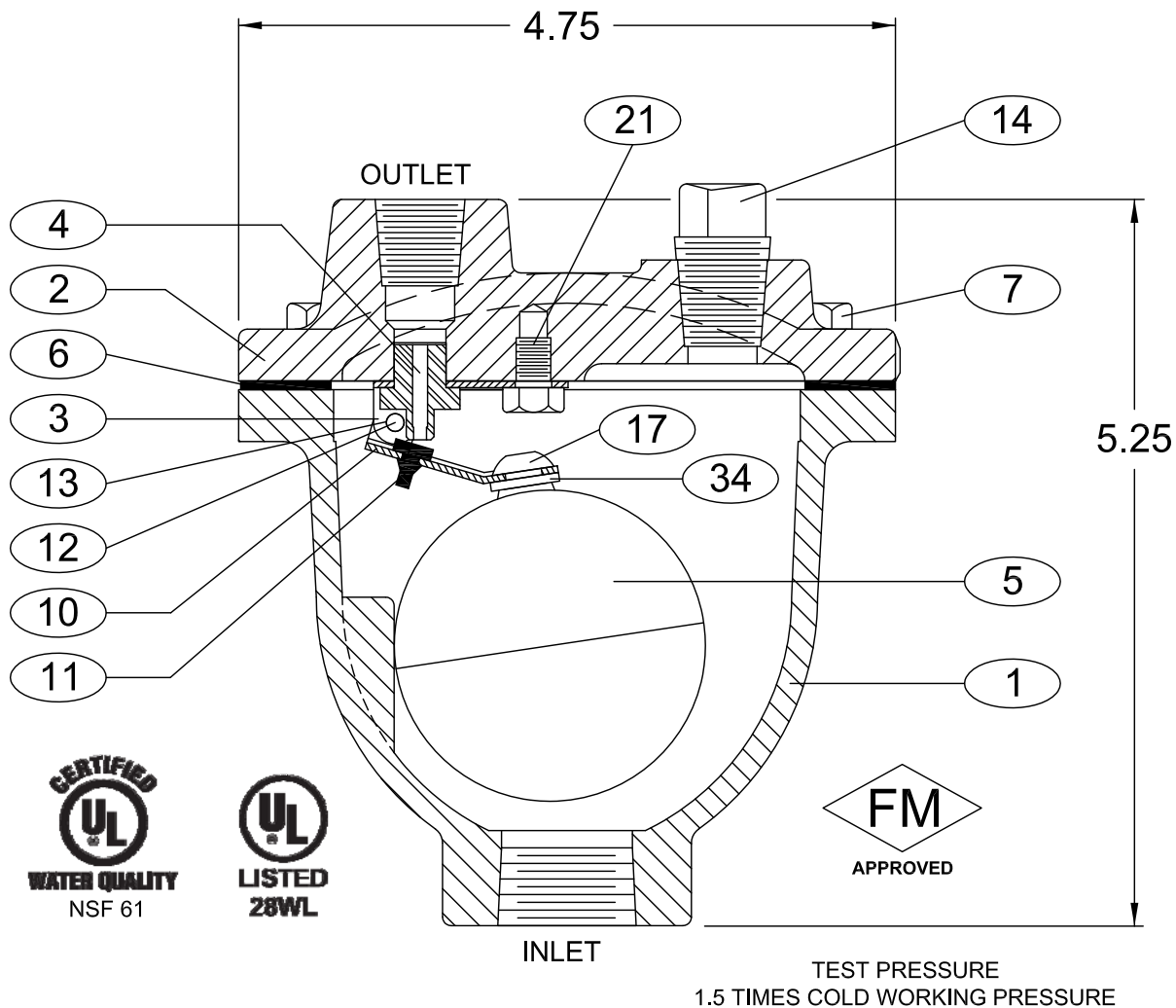
MATERIALS

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

Project Name:- Al Hammam Agricultural Drainage Water treatment plant.

MOL OC AC HAC
JOINT VENTURE



19 DEC 2021



Contractor:-
MOL-OC-AC-HAC-JV

CONSULTANT:-
Katib&Alami (K&A)

Client:-
GOE (Water Departments)

Material Submittal

From	MOL-OC-AC-HAC-JV			To	Katib&Alami (K&A)	
Transmittal No	NDWTP-MT-CV-ME-KA-ON-0286	Rev	00	Date	18-Dec-21	
Subject	SPRINKLERS-HYDRANTS-GROOVED FITTINGS-VALVES- FIRE HYDRAINT- THREADED FITTINGS- FIRE HOSE CABINETS- SWITCHES-DRAINS- AIR VENT- HANGERS			Attachment	Data sheet , pre approval & cheek	
Manufacturer:	VIKING-LEDE-MECH-ZYFIRE-SYSTEM SENSOR-POTTER-ZURN-VALMATIC-ERICO	Supplier	KIRMARY	Area Of Application	ALL	
Discipline	☐ Civil / Str.	☐ Arch.	☐ Elect	☒ Mech	☐ Other	
Ser	Description				No of Copies	
1	PRE-QUAILIFACTION FOR KIRMARY & DATA SHEETS FOR PRODUCTS				2	

Contractor Commitment:-

the document attached has been reviewed regarding to contract and consider acceptable to be used in the project

Contractor

on shore civil manager
ENG. Nagy Azmy

(Signature of ENG. Nagy Azmy)



PROJECT DIRECTOR
ENG. Waleed Fahmy

(Signature of ENG. Waleed Fahmy)

Consultant Receiving

Name:-

Sign:-

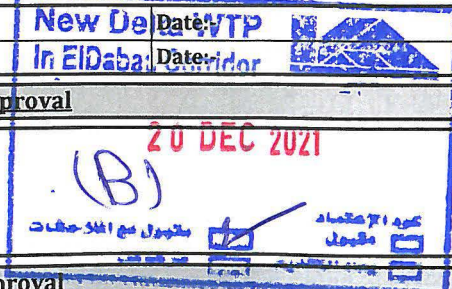
Date:-

Consultant Remarks

** Refer to our Revised Sheet for Comments*

Assigned Consultant Engineer	Name:-	Sign:-	Date
A ☐ Approved			
B ☒ Approved with comments, the work can proceed according to notes			
C ☐ Re-submit after rectify comments	D ☐ Rejected		

Consultant Approval Name:-
Contractor Receiving Name:-



Distribution before approval

Consultant

Client

Distribution After approval

Client

Contractor

Consultant

Civil Arch Elect HVAC Mech Planning Q.S



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 : (VAL-MATIC شركة كيرمارى) اعتمادات فنية لخامات شركة كيرمارى

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) :

AIR VENT اعتماد

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.