

V303

DOUBLE ORIFICE ARV WITH ISOLATION VALVE



Product Description

TVN V303 Double Orifice Air Release with Isolation valve is used for the purpose of emptying & filling water networks. Double orifice structure enables larger and smaller air flows from the pipe network. In-built handwheel/valve does not require additional stop valve for isolation purposes.



Technical Data	
Size range	DN50 - DN200
Pressure range	PN10 - 16
Temperature	-10°C to +130 °C
Design	EN 1074 - 4
Flange drilling	EN 1092-2 / ISO 7005-2
Coating	Electrostatic Powder Epoxy
Testing	EN 12266-1
Marking	EN 19
Operation	Automatic
	Handwheel

Application Range

- Water transmission
- Water distribution
- Pump suction line
- Peaks and bottom points
- Next to by-pass valve

Related Products

- V151 Gate Valve Resilient Seated
- V106 Butterfly Valve Flanged
- V251 Dismantling Joint



IRRIGATION



POTABLE WATER

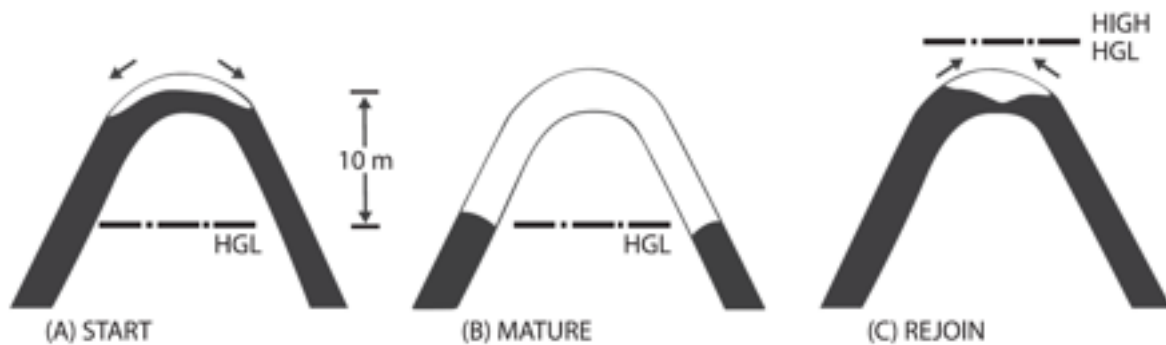
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Product Features

- Float parts made of polyethylene, increase the corrosion resistance, hence increases service life.
- The polyethylene floats give advantage for easier replacement.
- Ductile iron body increases the resistance against impacts.
- It is necessary to use air release valves on the peak points of the pipelines, in order to maintain the full flow of the water.
- If the air vacuum via air release valve is less than the discharged water amount, the pipeline will face the risk of torsion.
- Fully coated body and bonnet meets the hygienic requirements of the potable water networks. (WRAS coating optional)
- Double orifice air release valve is installed on the pipe by a flange, release the air received from its outlet through the orifices located above the float parts.
- When the air release function is completed, the floats travel upper part with the water force and close the orifice outlet, thus preventing the leakage of water.
- Flange connections according to EN1092-2/ISO 7005-2. Working pressure range from 0.2 to 16 bar.
- Hydrostatic test pressure for seat: $PN \times 1.1$, for shell: $PN \times 1.5$ according to EN 12266-1.

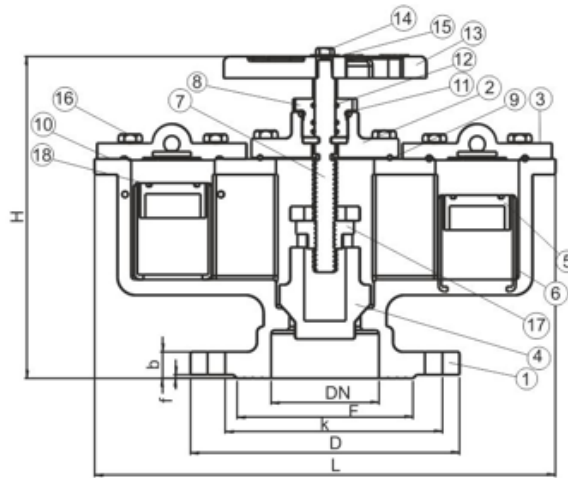


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Material List & Dimensions Table



No	Part	Material
1	Body	GG25 Cast Iron / GGG50 Ductile Iron
2	Mid-Cap	GG25 Cast Iron / GGG50 Ductile Iron
3	Cover Side	GG25 Cast Iron / GGG50 Ductile Iron
4	Slide	GGG50 Ductile Iron
5	Disc	Polyethylene
6	Disc Container	Polyethylene
7	Shaft	AISI 420 Stainless Steel
8	Ragor	GGG50 Ductile Iron
9	Mid-Cap Gasket	EPDM
10	Cover Gasket	EPDM
11	Cover O-Ring	EPDM
12	Ragor O-Ring	EPDM
13	Handwheel	GG25 Cast Iron / GGG50 Ductile Iron
14	Handwheel Bolt	8.8 Galvanized Steel
15	Handwheel Washer	Sheet
16	Bolt Nut	8.8 Galvanized Steel
17	Movement Nut	MS58 Brass
18	Disc O-Ring	EPDM

DN (mm.)	PN	D	K	d	Lx	f	b	H
50	PN10/16	165	125	99	19x4	3	20	275
65		185	145	118	19x4	3	20	275
80		200	160	132	19x8	3	20	280
100		220	180	156	19x8	3	24	280
125		250	210	184	19x8	3	26	280
150		285	240	211	23x8	3	26	400
200	PN10	340	295	266	23x8	4	26	400
200	PN16	340	295	266	23x12	4	30	400