

VORTEX BOTTOM FILL

PRODUCT INFO



Description

Vortex Bottom Fill valves are float operated valves for use in automatic filling of water troughs.

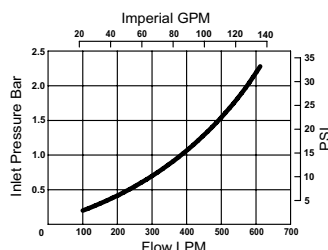
The valve is configured for **underwater mounting only**. The float is connected to the valve with a nylon cord, this operates a pilot valve, when the water level drops, the pilot valve is opened and the main diaphragm valve is activated. Vortex is a good choice where its **high flow**, compact, robust, non corrosive construction is beneficial.

Applications

Maintaining water levels in:

- Animal drinking troughs
- Water storage tanks

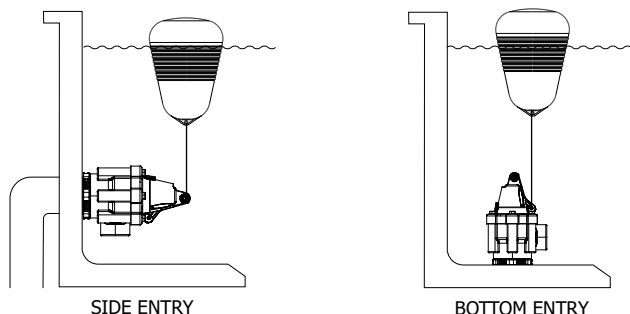
Flow Graph (All sizes)



Features

- High flow
- Compact robust construction
- Mounts horizontally or vertically
- Made from corrosion resistant materials
- Valve unscrews from tail for easy Valve seal access
- Shuts down slowly to minimise water hammer
- 20 - 60mm (3/4" - 2 1/2") water level differential (increases as water inlet pressure increases)
- Pressure rating 0.3 - 7 Bar (5 - 100 PSI)
- Float position easily adjustable with no tools
- Valve has switch to lock it in off position
- Has port to connect Frostpro anti freeze device

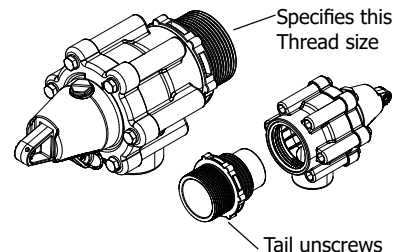
Mounting Positions



Options

Inlet Size

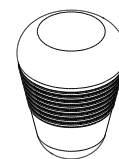
BSP	1 1/4" 32mm	1 1/2" 40mm	2" 50mm
NPT	1 1/4"	1 1/2"	2"



Floats: Tapered float supplied standard.

Note: Not Suitable for Top mounting.
Refer to VXV for Vortex above water mounting.

Standard tapered Float.



VORTEX BOTTOM FILL VALVE SPECIFICATION

PRODUCT	CODE	INLET SIZE	CODE
Vortex Float Bottom Fill Valve	VXVB	1 1/4" bsp	32
		1 1/2" bsp	40
		2" bsp	50
		1 1/4" NPT	0125
		1 1/2" NPT	0150
		2" NPT	0200

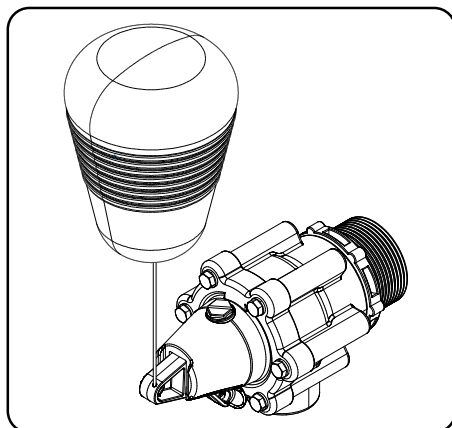
eg A Vortex Bottom Fill Valve with 2" BSP thread has following spec numbers VXVB50

Note: Before using check that under water mounting is allowed by local regulations.

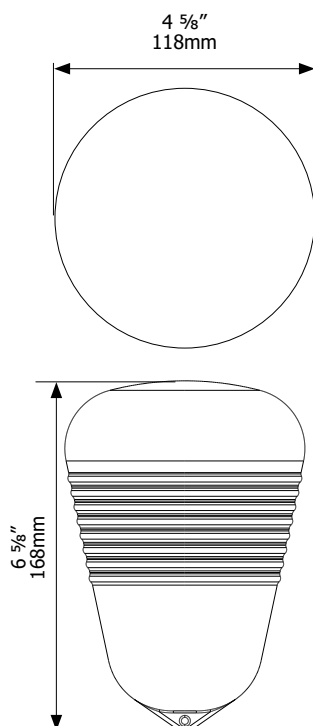
Note: Product may differ slightly from these specs due to ongoing product development.

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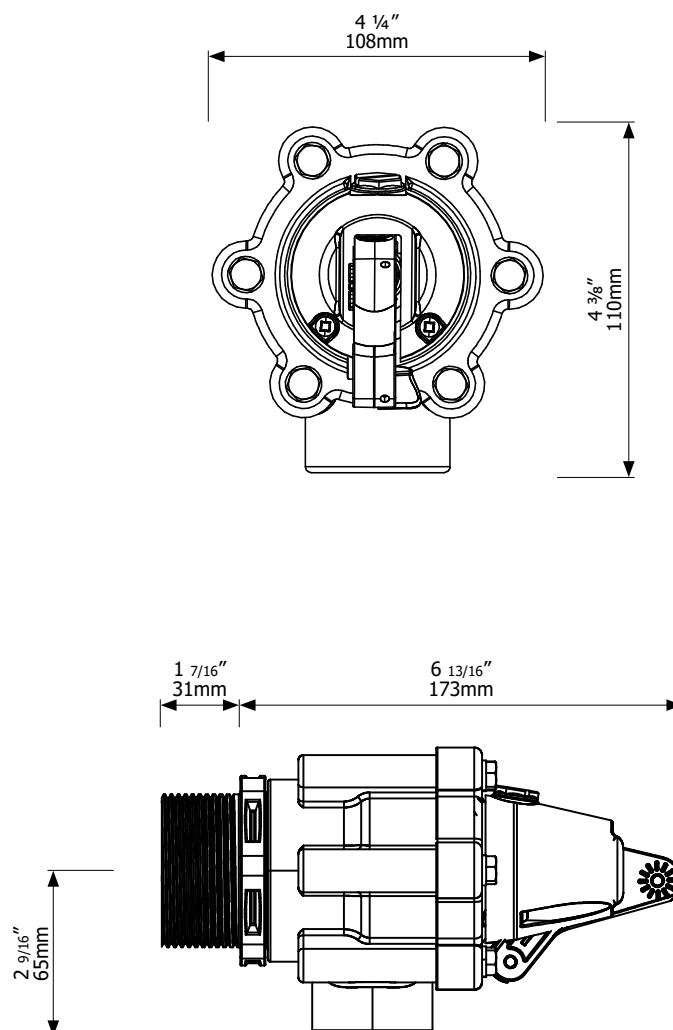
DIMENSIONS & MATERIALS



Float Dimensions



Vortex Dimensions



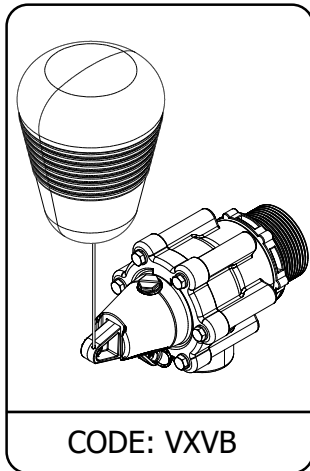
Part	Material	Part	Material
Valve Body	GF Nylon	Seal	TPU
White Internal, External	Acetal	Springs, Bolts, Nuts, Pin, Screws	304 Stainless Steel
Arm Assembly	ABS	O'Rings	Nitrile
Diaphragm	EPDM	Float	HDPE
Filter	PP/Nylon		

Maximum Operating Temperature

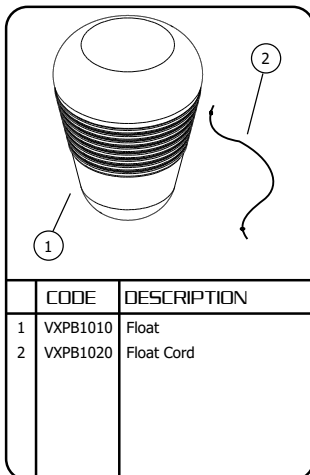
60°C, 140°F

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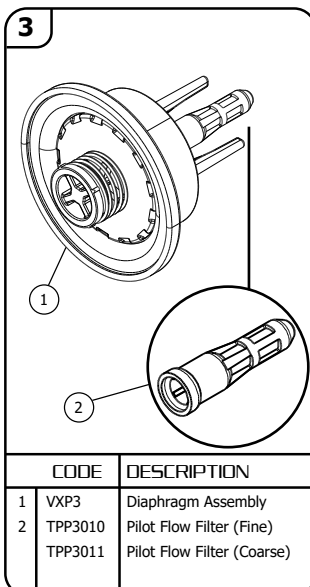
PARTS IDENTIFICATION SHEET



	CODE	DESCRIPTION
1	VXPB1	Float Assembly
2	VXP2	Cap & Actuator Assembly
3	VXP3	Diaphragm Assembly
4		Base Assembly



	CODE	DESCRIPTION
1	VXP2010	Actuator Cap
2	VXP2020	6g x 10 S/S Screw
3	VXP2030	Frost Pro Plug
4	VXP2040	Frost Pro O'ring
5	VXP2050	Valve Cap Assembly
6	VXP2060	Damping Spring
7	VXP2070	Actuator Spring
8	VXP2080	Bearings (set of two)
9	VXP2090	Actuator Arm
10	VXP2100	Bolt M6 x 65
11	VXP2110	Washer M6 x 12.5



	CODE	DESCRIPTION
1	VXP4010	Vortex Retainer
2	VXP4020	Vortex Base
3	VXP4030	Vortex O'ring
4	VXP4040	Vortex Tail 32mm
	VXP4045	Vortex Tail 40mm
	VXP4050	Vortex Tail 50mm
	VXP4055	Vortex Tail 1 1/4" npt
	VXP4060	Vortex Tail 1 1/2" npt
	VXP4065	Vortex Tail 2" npt