TOPAZ PARTFILL

PRODUCT INFO

TOPAZ™ Partfill

Jobe™ valves

C SP US
NSF/ANSI/CAN 61

Description

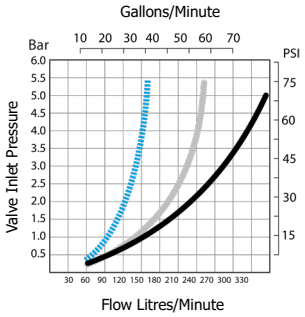
Topaz Partfill is a high flow valve intended for use in rain water harvesting tanks. The purpose of the float valve is to automatically maintain a low level of water in the tank during periods of no or low rainfall. This allows services fed by the tank to continue while leaving capacity in the tank for refilling by the next rain.

Applications

Maintaining water levels in:

- Rain water harvesting tanks
- Water cisterns
- Irrigation and process applications.

Flow Graph



Key

- 15mm (½″)
- 20mm (¾″)
- 25mm & 32mm (1″ & 1 ¼″)

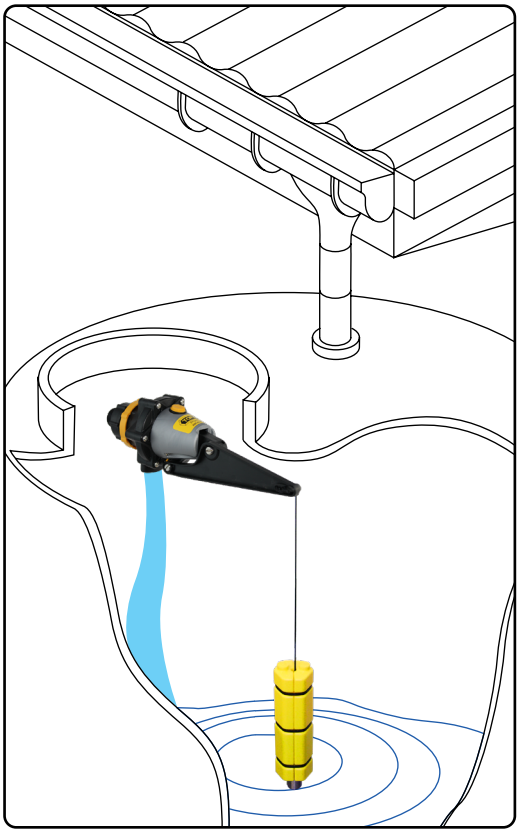
Features

- Ideal for use with all makes and models of rain water harvesting tanks
- Compact
- Constructed from non corroding materials
- Valve can be locked in off position using the lock off switch
- Up to 150mm differential obtainable (dependant on pressure)
- Detach Valve Seal Access System for quick access to valve seal (Patented)

Available Inlet Sizes

15mm (1/2″)
20mm (3/4″)
25mm (1″)
32mm (1 ¼″)

All supplied in long tail thread with back nut.



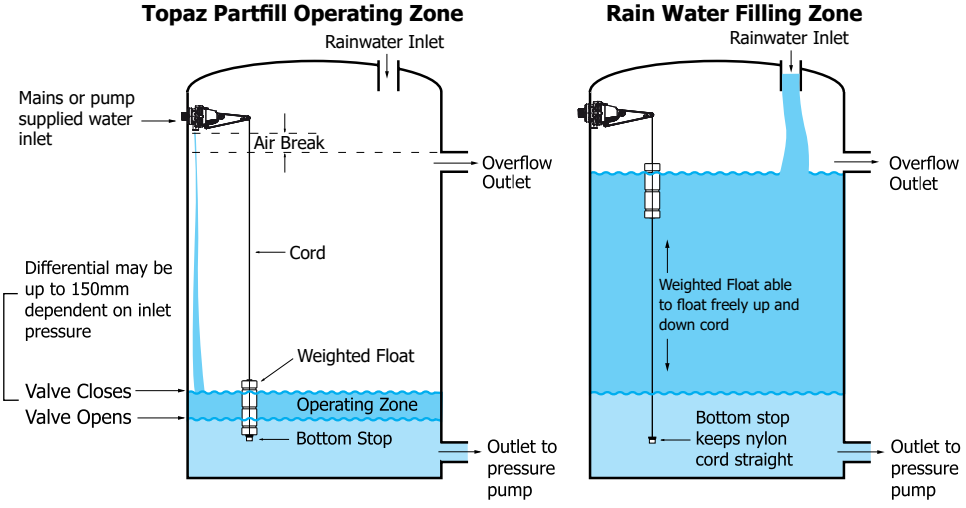
Principle of Operation

- The Valve is installed through the side wall of a storage tank. It should be mounted above the overflow level of the tank to prevent backflow.
- As the tank empties the weighted float travels down the cord and sits on the bottom stop to activate the valve.
- The valve will run until the weighted float lifts clear of the bottom stop.
- The float will then rise as rainwater fills the tank and falls as the tank water is used.
- The Valve will only function at times when rain fall is insufficient to maintain a water level in the tank above the bottom stop.

Pressure Range

0.3 Bar – 10 Bar (5 psi-150 psi)

Typical Installaton



TOPAZ PARTFILL
DIMENSIONS & MATERIALS

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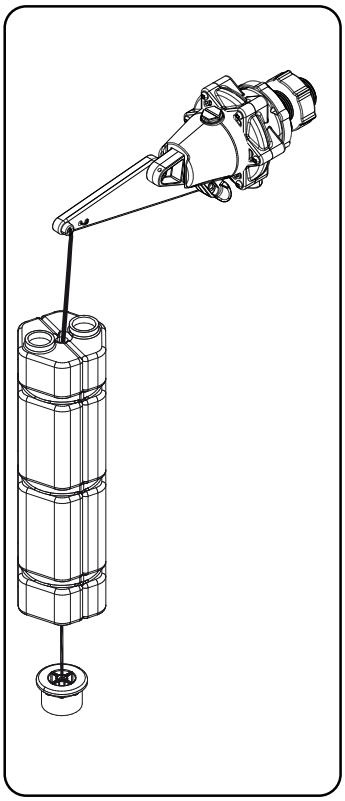
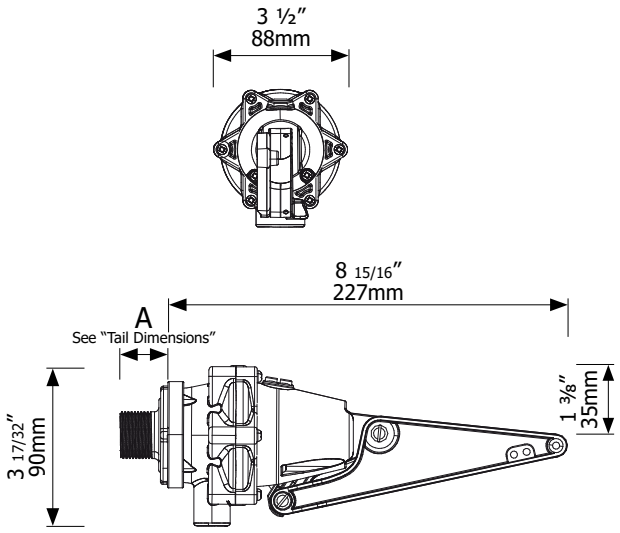
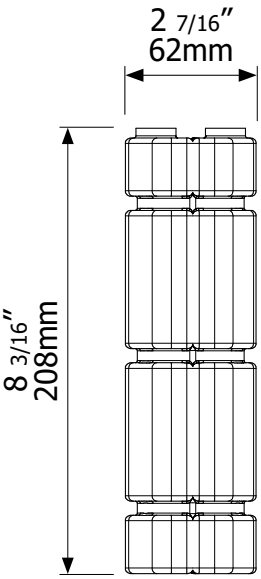
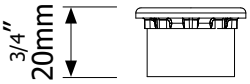


Topaz Dimensions



Float & Weight Dimensions





Tail Dimensions

Dimension A	mm	inches
15mm (1/2″) Long Tail	100	3 15/16
20mm (3/4″) Long Tail	46	1 13/16
25mm (1″) Long Tail	62	2 7/16
32mm (1 1/4″) Long Tail	67	2 21/32

Part	Material	Part	Material
Valve Body	*Glass Filled Nylon*	***Springs, Bolts, Nuts, Pin, Screws***	*304 Stainless Steel*
Yellow & White Internal Parts	*Acetal*	***O'Rings***	*Nitrile*
Filter	*PP/Nylon*	***Float***	*HDPE*
Diaphragm	*EPDM*	***Float Cord***	*Polyester*
Seal	*TPU*		

Maximum Operating Temperature	60ºC, 140ºF

NB: High Temperature models on request.

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PARTS IDENTIFICATION SHEET

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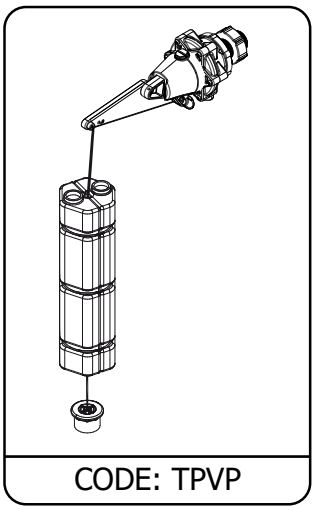
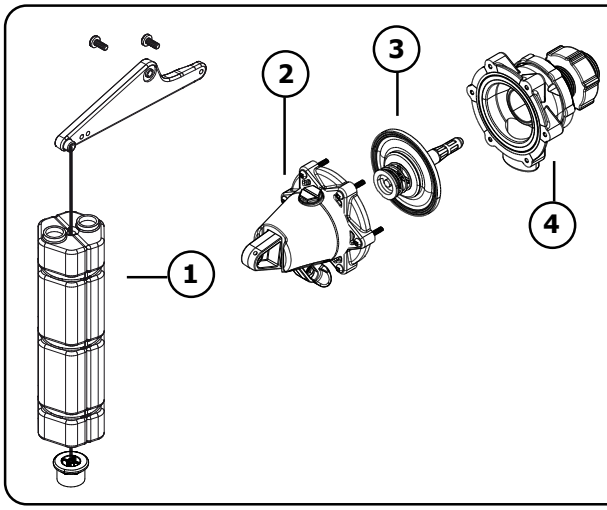
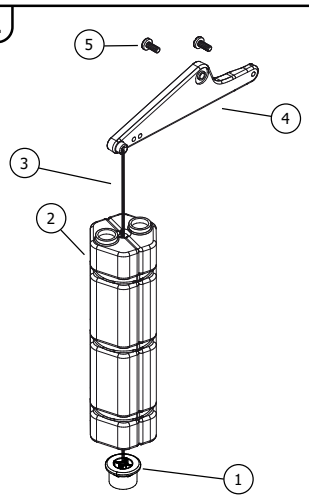


CODE: TPVP



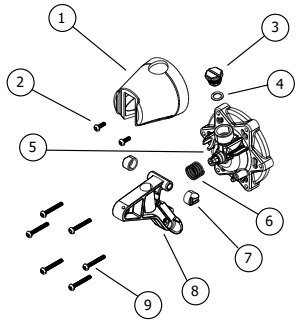
	CODE	DESCRIPTION
1	TPPP1	Float, Arm & Stop Assembly
2	TPPP2	Cap & Actuator Assembly
3	TPP3	Diaphragm Assembly
4		Detach Base Assembly

1



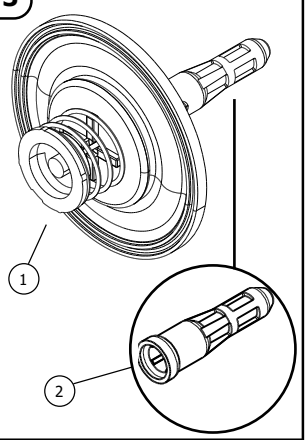
	CODE	DESCRIPTION
1	TPPP010	Bottom Stop
2	TPPP020	Weighted Float
3	TPPP1020	Cord
4	TPPP1050	Arm Extension
5	TPP1040	M5 x 12 Bolt

2



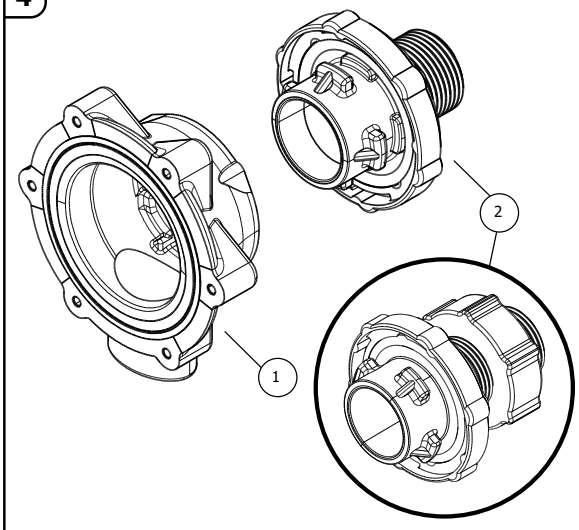
	CODE	DESCRIPTION
1	TPPP2011	Actuator Cap
2	TPP2020	6g x 10 S/S Screw
3	TPP2030	Frost Pro Plug
4	TPP2040	Frost Pro O'ring
5	TPP2050	Valve Cap Assembly
6	TPPD2061	Damping Spring
7	TPP2080	Bearings (set of two)
8	TPP2090	Actuator Arm
9	TPP2100	6g x 25 S/S Screw

3



	CODE	DESCRIPTION
1	TPP3	Diaphragm Assembly
2	TPP3010	Pilot Flow Filter (Fine)
	TPP3011	Pilot Flow Filter (Coarse)

4



NB: All Long Tail Assemblies are supplied with a Seal Washer and Backnut included

	CODE	DESCRIPTION
1	DTP1	Detach Base
2		***BSP Tails***
		Short Tail Assembly (BSP)
	DTP020	Detach Tail 20mm(3/4") Short
	DTP025	Detach Tail 25mm(1") Short
	DTP032	Detach Tail 32mm(1 1/4") Short
		Long Tail Assembly (BSP)
	DTP015L	Detach Tail 15mm (1/2") Long
	DTP020L	Detach Tail 20mm (3/4") Long
	DTP025L	Detach Tail 25mm (1" bsp) Long
	DTP032L	Detach Tail 32mm (1 1/4" bsp) Long
		NPT Tails
		Short Tail Assembly (NPT)
	DTP0075	Detach Tail 3/4" npt
	DTP0100	Detach Tail 1" npt
	DTP0125	Detach Tail 1 1/4" npt
		Long Tail Assembly (NPT)
	DTP0050L	Detach Tail 1/2" npt Long
	DTP0075L	Detach Tail 3/4" npt Long
	DTP0100L	Detach Tail 1" npt Long
	DTP0125L	Detach Tail 1 1/4" npt Long