



Partfill



200 L / MIN

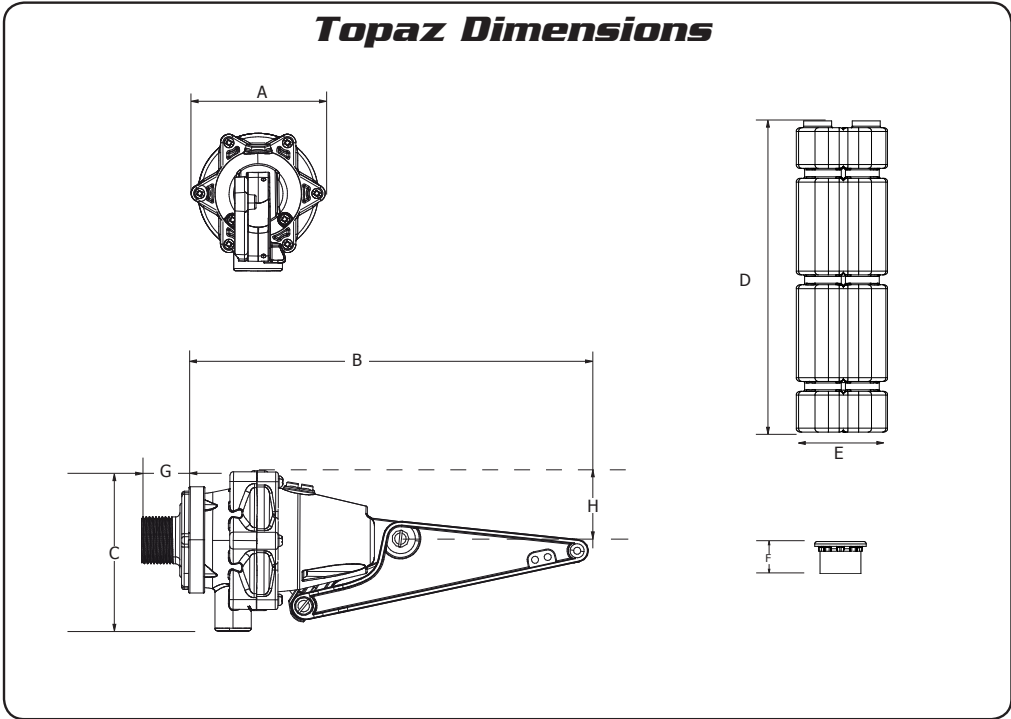


TOPAZ PARTFILL

DIMENSIONS & MATERIALS



200 L / MIN



Topaz Dimensions		
	mm	inches
A	88	3 1/2
B	227	8 15/16
C	90	3 17/32
D	208	8 3/16
E	62	2 7/16
F	20	12/16
G	100	3 15/16
	20mm (3/4") Long Tail	1 13/16
	25mm (1") Long Tail	2 7/16
	32mm (1 1/4") Long Tail	2 21/32
H	35	1 3/8

Materials	
Valve Body	Glass Filled Nylon
Yellow & White Internal Parts	Acetal
Filter	Acetal
Diaphragm	EPDM
Seal	Urethane
Springs, Bolts, Nuts, Pin, Screws	304 Stainless Steel
Detach Seal	Santoprene
O'Rings	Nitrile
Float	HDPE
Float Cord	Polyester

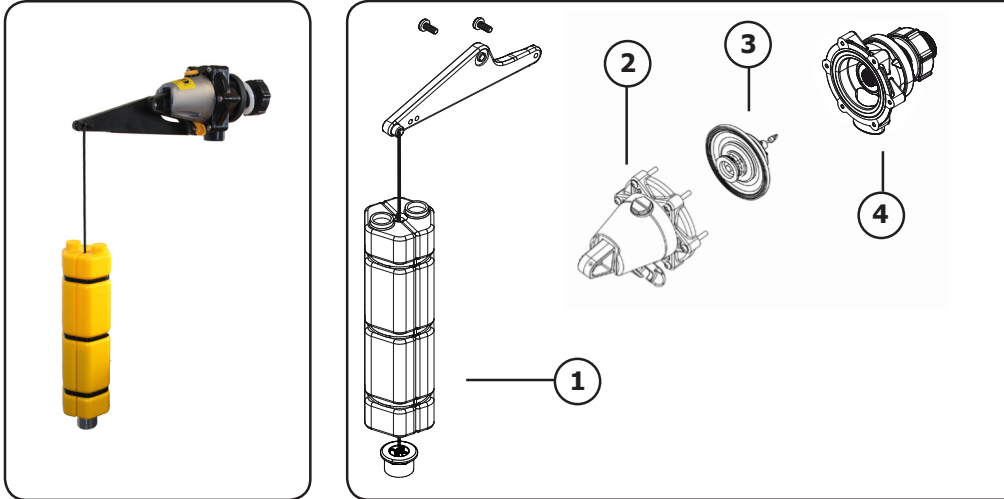
Maximum Temperature of Operation 60°C, 140°F
 NB: High Temperature models on request.

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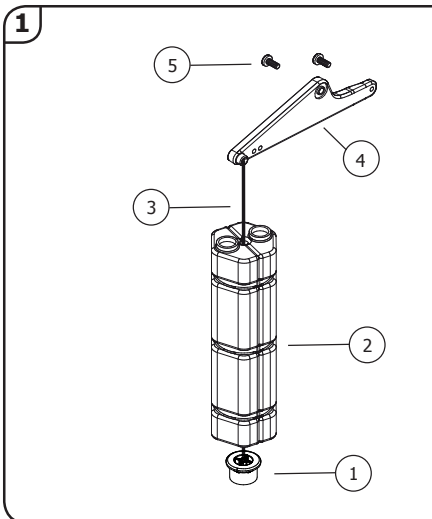
PARTS IDENTIFICATION SHEET



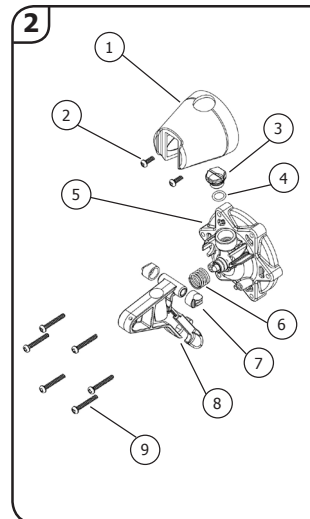
TOPAZ™ Partfill



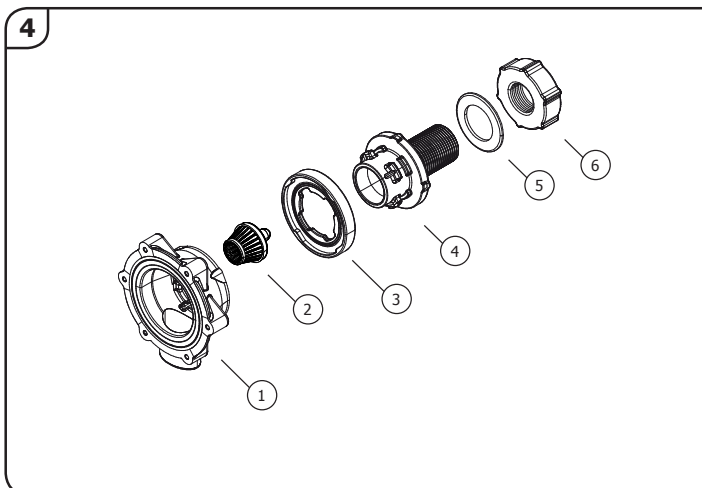
	CODE	DESCRIPTION
1	TPPP1	Float, Arm & Stop Assembly
2	TPPP21	Cap & Actuator Assembly
3	TPP3	Diaphragm Assembly
4		Detach Base Assembly



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



	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	TPPP2061	Damping Spring
7	TPP2080	Bearings (set of two)
8	TPP2090	Actuator Arm
9	TPP2100	6g x 25 S/S Screw



	CODE	DESCRIPTION
1	TPP4A010	Detach Base
2	TPP4A030	Detach Filter
3	TPP4A020	Detach Seal
4	TPP4A0410	Detach Tail 15mm (1/2") Long
	TPP4A0420	Detach Tail 20mm (3/4") Long
	TPP4A0431	Detach Tail 25mm (1") Long
	TPP4A0432	Detach Tail 1" NPT Long
	TPP4A0441	Detach Tail 32mm (1 1/4") Long
	TPP4A0442	Detach Tail 1 1/4" NPT Long
5	TPP4A050	Seal Washer 15mm (1/2")
	TPP4A051	Seal Washer 20mm (3/4")
	TPP4A052	Seal Washer 25mm (1")
	TPP4A053	Seal Washer 32mm (1 1/4")
	TPP4A054	Backing Washer 32mm (1 1/4")
6	TPP4A060	Backnut 15mm (1/2")
	TPP4A061	Backnut 20mm (3/4")
	TPP4A062	Backnut 25mm (1")
	TPP4A063	Backnut 32mm (1 1/4")

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PRODUCT INFO



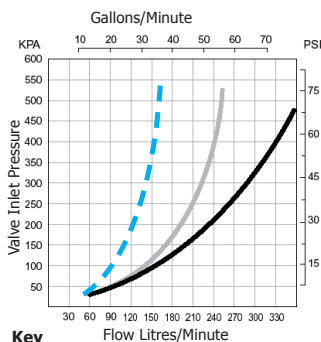
Description

Topaz Part Fill 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 (1/2")
 - 20mm (3/4")
 - 25mm & 32mm (1" & 1 1/4")

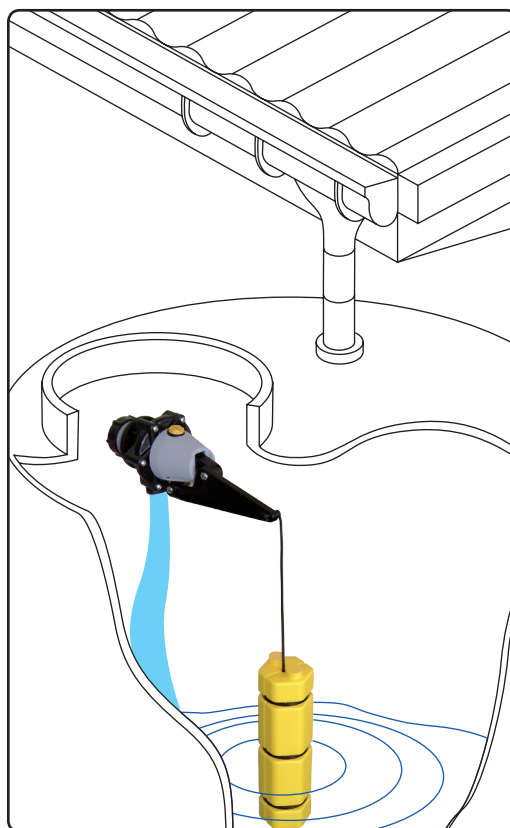
Features

- Ideal for use with all makes and models of rain water harvesting tanks
- Compact
- Constructed from non corroding materials
- Built in non return valve
- 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 1/4")

All supplied in Detach™ long tail thread with back nut.



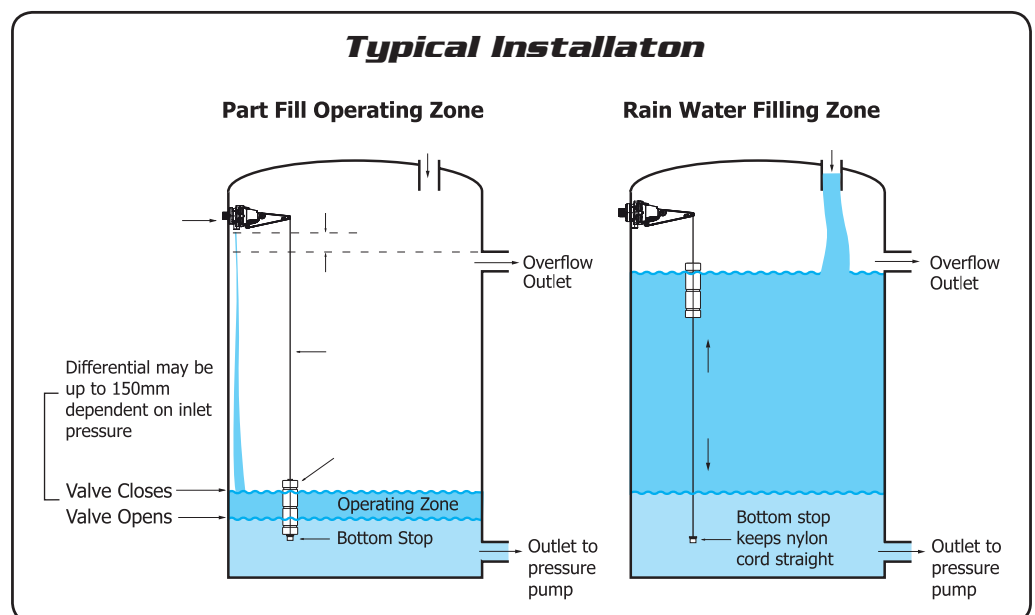
Principle of Operation

- 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 Installation



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