

TOPAZ TROUGH VALVE

PRODUCT INFO



Description

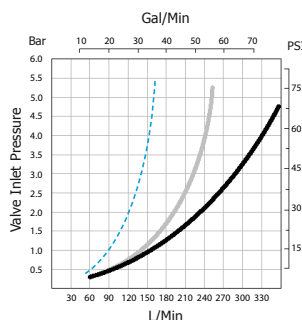
Topaz trough valves are float operated valves for use in automatic filling of water troughs, tanks, cisterns etc. The valve is configured for **above or below water mounting**. The float operates a small pilot valve which in turn operates the main diaphragm valve. Topaz trough valves are a good choice where their **high flow**, compact, robust, non corrosive construction and high level of adaptability are needed.

Applications

Maintaining Water Levels in:

- Animal Drinking Troughs
- Water Storage Tanks
- Water Cisterns
- Air Conditioning Systems
- High Pressure Cleaning Systems
- Irrigation Applications

Flow Graph

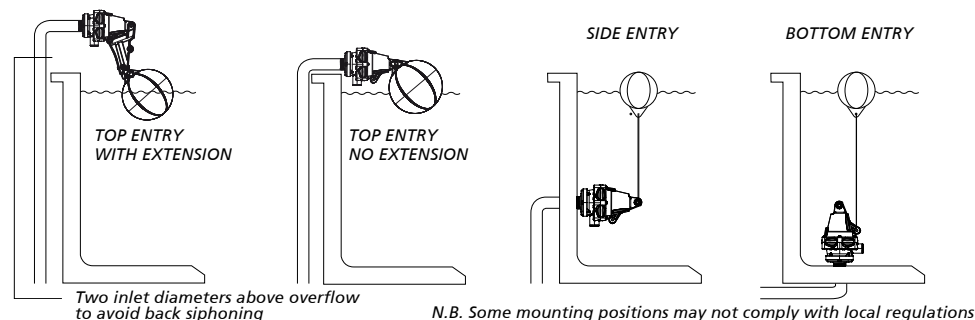


Key
 — 15mm (1/2")
 — 20mm (3/4")
 — 25mm & 32mm (1" & 1 1/4")


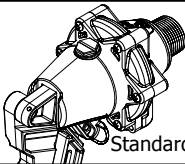
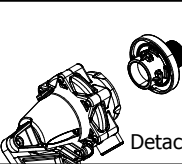

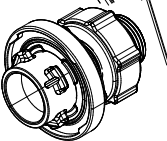


Features

- High flow
- Compact robust construction
- Mounts horizontally or vertically
- Made from corrosion resistant materials
- 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

	BSP				NPT					Thread size	
Inlet Size	1/2"	3/4"	1"	1 1/4"	1/2"	3/4"	1"	1 1/4"			
STD Base Short Tail		✓	✓	✓		✓	✓				
Detach Base Short Tail		✓	✓	✓		✓	✓	✓			
Detach Base Long Tail	✓	✓	✓	✓	✓	✓	✓	✓			
Long Tail: Available only with Detach Base. Supplied with backnut and seal washer.											
Floats: 125mm wide floats supplied standard. Note: Suitable for any mounting position 70mm and 95mm floats optional Note: Suitable for top entry only.											
									125mm	70mm	95mm

TOPAZ TROUGH VALVE SPECIFICATION

PRODUCT	CODE	INLET SIZE	CODE	OPTIONS	CODE
Topaz Trough Valve	TPV	½" bsp/npt	15	Detach Base	D
		¾" bsp/npt	20	Long Tail Base	LT
		1" bsp	25		
		1" npt	1	70mm wide Float	F70
		1 ¼" bsp	32	95mm wide Float	F95
		1 ¼" npt	114		
(e.g) A Topaz Trough Valve with: ¾" bsp inlet thread, detach base, long tail thread has the following spec number: TPV 20 D LT					
NOTE: If no options are specified the standard ones will be supplied					

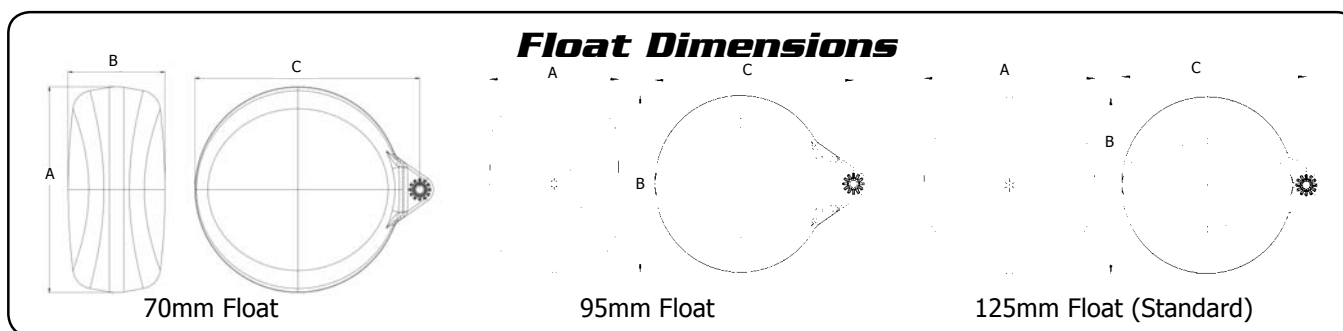
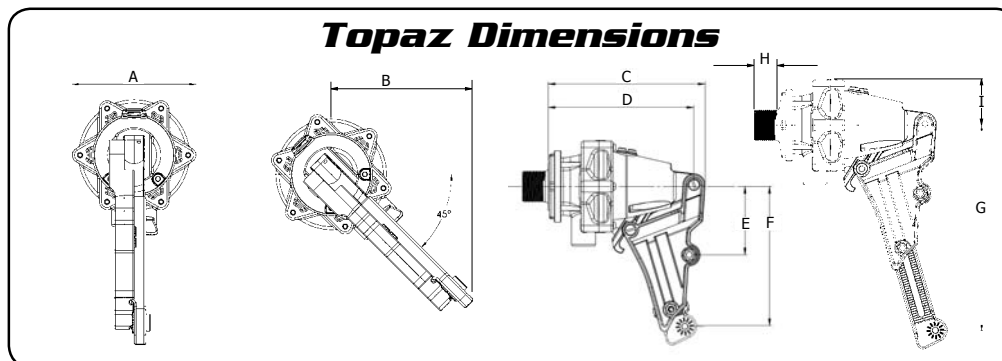
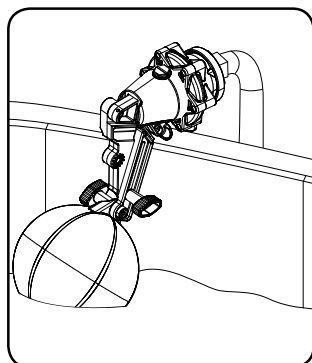
Note: Product may differ slightly from these specs due to ongoing product development.

TOPAZ TROUGH VALVE

DIMENSIONS & MATERIALS



TROUGH VALVE



Topaz Dimensions

	mm	inches
A	88	3 1/2
B	100	3 15/16
C	134	5 1/4
D	124	4 7/8
E	58	2 9/32
F	119	4 11/16
G	176	6 15/16
H	22	7/8
3/4" Short tail	22	7/8
1" bsp/npt short tail	25	1
1 1/4" bsp/npt short tail	100	4
1/2" long tail	38	1 1/2
3/4" long tail	54	2 1/8
1" bsp/npt long tail	60	2 3/8
1 1/4" bsp/npt long tail	40	1 7/16
I		

Float Dimensions

70mm Float			95mm Float			125mm Float		
	mm	inches		mm	inches		mm	inches
A	70	2 3/4	A	95	3 3/4	A	126	4 15/16
B	149	5 7/8	B	130	5 1/8	B	130	5 1/8
C	162.5	6 13/32	C	145	5 3/4	C	136	5 3/8

Materials

Valve Body	ABS
White & Yellow 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
Seal Washer	LDPE
Float Cord	Polyester

Maximum Temperature of Operation 45°C, 115°F

TOPAZ TROUGH VALVE

PARTS IDENTIFICATION SHEET

