

Philmac®

STOCKPHIL

Livestock Tank Float Valve



TECHNICAL MANUAL AND
INSTALLATION METHODS GUIDE



IPEX

by aliaxis



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LIVESTOCK TANK FLOAT VALVES

Philmac's unique and compact tank float valve has been designed specifically for livestock drinking tanks.

The valve is installed through the tank inlet and as the water level in the tank drops, the string connecting the float to the valve control arm relaxes causing the control arm to open and let more water into the tank until the water level set by the installer is obtained.

The use of a string to actuate the valve significantly reduces the chance entanglement or damage to the valve by livestock.

The extensive range includes quality brass and high impact, UV resistant acetal valves.

The versatile Philmac® StockPhil tank float valve can be installed in a horizontal or vertical position within the tank.



Plastic valve

Brass valve

APPLICATIONS

- Agricultural livestock tanks
- For use with cold water connections only

OPERATING PRESSURE

Minimum – 1.5 psi

Maximum – 58 psi (brass) and 43 psi (plastic)

WEATHERING/UV RESISTANCE

All plastic materials used contain pigments to provide excellent protection against degradation from ultra-violet (UV) radiation.

NOTE: Protect tank float valve from freezing

CONNECTION TYPE: MPT (MALE PIPE THREAD)

Sealing threads: Philmac recommends sealing threads with PTFE tape. Other approved sealants for plastic or brass materials can be used providing the sealant does not enter the valve where it may impede valve function.



1. Apply sufficient PTFE tape or approved sealant to the threads to ensure a watertight seal.



2. Screw into a female threaded fitting by hand until firm.

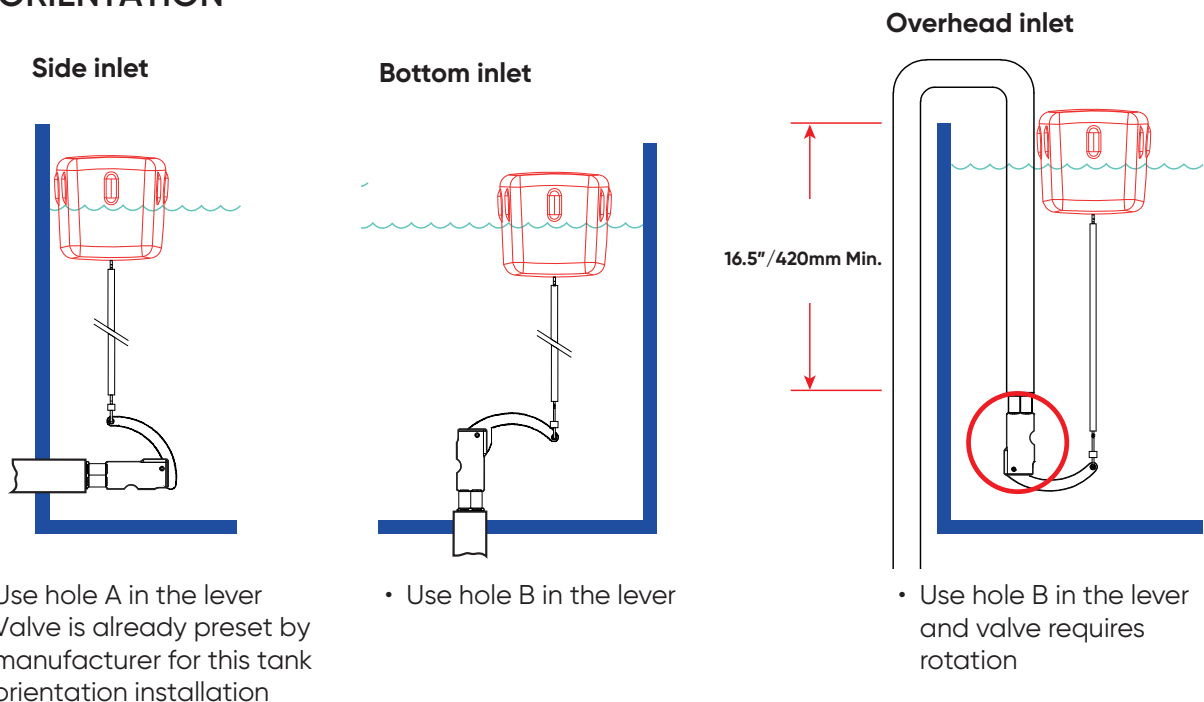


3. Using a wrench on the body of the valve, screw it into the female thread until snug. Do not over tighten.

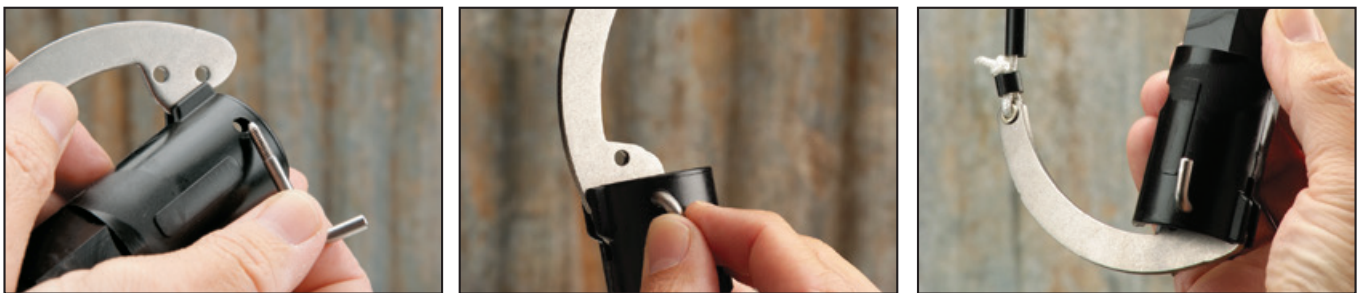
FLOW RATES

Flow Rate - US gpm - (L/Min)					
Description	Part #	14 psi	29 psi	43 psi	58 psi
¾" Brass	358200	12 (48)	18 (69)	22 (85)	26 (98)
¾" Plastic	358201	17 (67)	25 (97)	31 (120)	-
1" Plastic	358202	19 (73)	27 (104)	33 (128)	-
1 ¼" Plastic	358203	29 (110)	42 (159)	52 (197)	-

TANK ORIENTATION



CONVERSION FOR OVERHEAD INLET



1. For overhead installation the lever needs to be relocated by unscrewing the pin from the body.

2. Rotate the lever by 180° and reinsert the pin through hole B. See overhead inlet drawing above.

3. Conversion is complete.

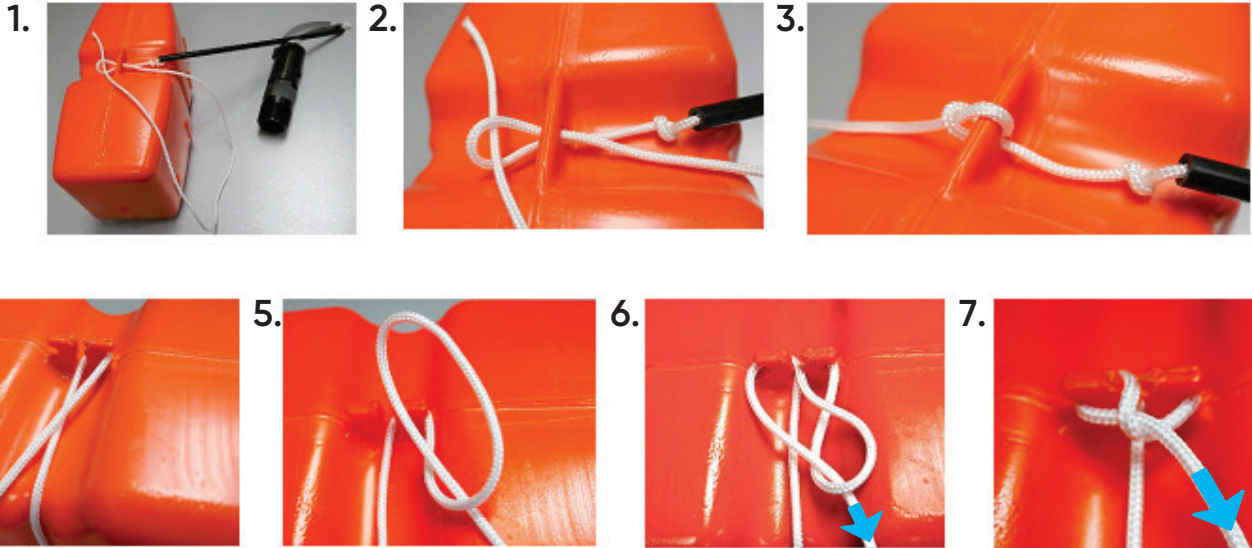
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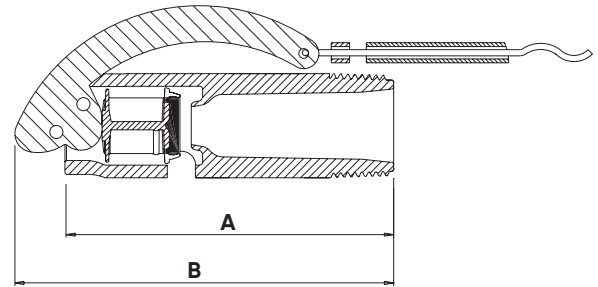
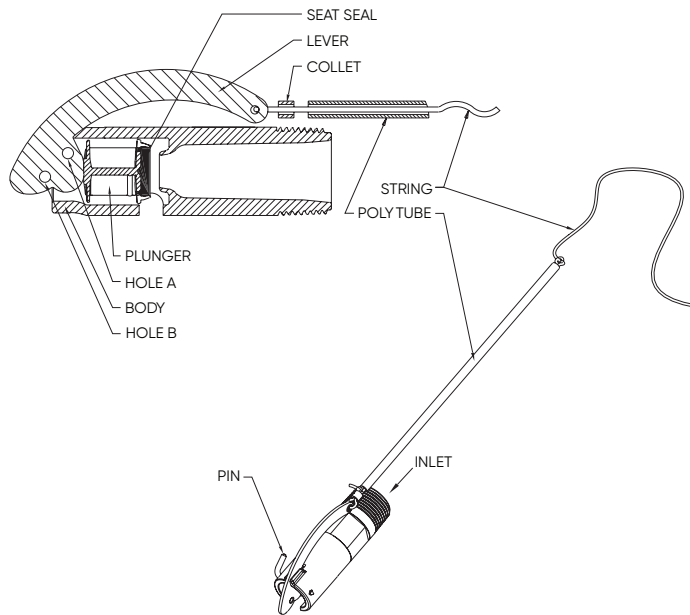
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ATTACHING THE FLOAT

Tube must remain correctly fitted to prevent string entanglement at low water level.



FLOAT VALVES SIZE RANGE & DIMENSIONS



DIMENSION		
Valve Size	A	B
	in./mm	in./mm
¾"	1.85 / 47	5 / 127
1"	2.16 / 55	5.82 / 148
1 ¼"	2.44 / 62	6.53 / 166



Toll Free: (800) 463-9572
ipexna.com

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