

Flowjack 3" Float Valves



Flowjack 3 inch float valves are cast from 316 marine grade stainless steel. They are available in different float arm and float configurations to suit different troughs and preferences.

3" Float Valves to suit Northern Stockwater Troughs

The above picture shows a 3 inch float valve with an elbow float arm and poly shell float. The elbow float arm allows the trough to be filled to capacity without having the adjustment bolt on the valve head wound right out.

Poly Shell Floats

Flowjack poly shell floats have a polyethylene outer shell with polystyrene core. The polyethylene outer shell provides protection for the polystyrene core from UV rays, bumps and knocks while the polystyrene core ensures the float will provide reliable service even if the outer shell is damaged.

They have a stainless steel mounting bracket that is connected to a stainless steel backing plate on the opposite side of the float body via lock nuts. This design makes it very unlikely for the mounting bracket to be pulled free from the float body.

Stainless Steel Floats

The photo on the right shows a stainless steel float designed for use in suit Northern Stockwater troughs. All joints are tig welded and not soldered.



Traditional Trough Configurations

For traditional trough configurations where the valve head is above the waterline the following options are available.

Float Arms

You can choose either a flexible float arm that allows the float arm to flex rather than permanently bend or break as shown below or a rigid float arm as shown right.



Floats

Stainless steel tig welded float shown far right.

Poly ball float kit makes an economical alternative to a stainless steel float. Shown right.



Flowjack 
Innovative Stock Watering Equipment

Manual Float Valve Shut Off Device



- ◆ Is used to manually shut the valve so fluid cannot flow through the valve bore;
- ◆ This can be a cost effective alternative to purchasing another valve (e.g. ball valve) to perform this function as well as the float valve;
- ◆ This device is optional on all Flowjack float valves;
- ◆ Please go to the Flowjack website and follow the links if you would like to see a demonstration.

4" Low Pressure Float Valves



- ◆ Are fabricated from 316 marine grade stainless steel;
- ◆ Available with flexible or rigid float arm.

Stainless Steel Floats



- ◆ Traditional stainless steel floats were soldered on the joints. Solder is the weak link that corrodes faster than stainless steel;
- ◆ All joints on Flowjack stainless steel floats are tig welded so there is no solder or glue;
- ◆ An advantage of stainless steel over plastic is the stainless steel is not affected by UV rays;
- ◆ They are available to suit 2 inch, 3 inch and 4 inch Southern Cross and Flowjack float valves.

Float Arms

Stainless Steel Flexible Float Arm

(shown right)

- ◆ Replacement float arms are available to suit Southern cross 3 and 4 inch valves;
- ◆ They have a flexible section that allows the float arm to flex rather than permanently bend or break.



Stainless Steel Rigid Float Arm

(shown left)

- ◆ Replacement float arms are available to suit Southern cross 3 and 4 inch valves;
- ◆ Flowjack 4 and 3 inch rigid float arms are built to be strong and rigid. Made from 316 stainless steel.



Stainless Steel 2 piece ball valves



- ◆ Are now available in sizes from 1 inch to 4 inch;
- ◆ Castings and ball are 316 stainless steel;
- ◆ Replacement seals are available;
- ◆ Thread type is Bsp.

Stainless Steel Trough Ends

- ◆ Trough ends are designed to suit Southern Cross type sheet troughs;
- ◆ Made from 3 mm thick stainless steel 762mm wide and 112.3mm diameter ID bung seat.



Stand Pipes & Trough Bung Assemblies



Stand Pipes (shown left)

- ◆ Flowjack 80mm Bsp threaded stainless steel stand pipes are made from 316 stainless steel;
- ◆ They are pressure tested for leaks before delivery.

Trough Bung Assemblies (shown right)

- ◆ Stainless steel trough bung assemblies are designed to fit Southern Cross trough bung seats;
- ◆ Replacement stainless steel trough bung seats are also available. A trough bung seat is the part that is welded to the trough.



Brass and S.S.Pins

Replacement pins to suit Southern Cross 3'' and 4'' valves in brass or stainless steel.



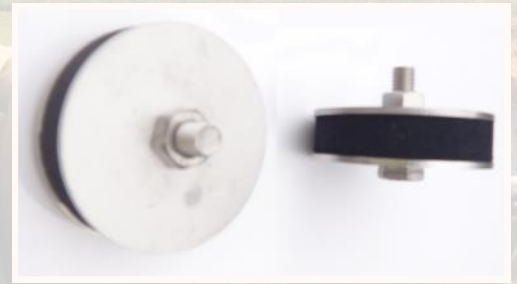
Rubber Seals

Rubber seals to suit Southern Cross 3'' and 4'' valves.



Trough Patches

Trough patches for plugging holes in leaking troughs.



Flowjack 3'' Float Valve Operating Pressure Guide

Valve type	Float type	Rated max pressure		Ultimate max pressure *	
		Kpa	Psi	Kpa	Psi
High Pressure	Standard stainless steel float	434	63	552	80
Low Pressure	Standard stainless steel float	60	8.7	135	19.5
	Poly shell float upright	55	8	145	21
	Poly shell float upside down	75	10.8	170	24.6

*If the valve is operated above the rated maximum pressure we cannot guarantee it will perform correctly in all situations.

Note: One foot in height of water = 0.433 psi.

For example: If the water level in the tank is 20 feet above the outlet in the trough, this is equal to 8.67 psi at the trough outlet.

About Us

An innovative Australian business dedicated to providing reliable and efficient stock watering equipment.

We are here to assist you!

Contact us if you have any questions, feedback, or need more details about our products.