

OPERATING INSTRUCTIONS

MODEL FTV05 THD

IN-LINE ADJUSTABLE FOOT VALVE



APPLICATIONS:

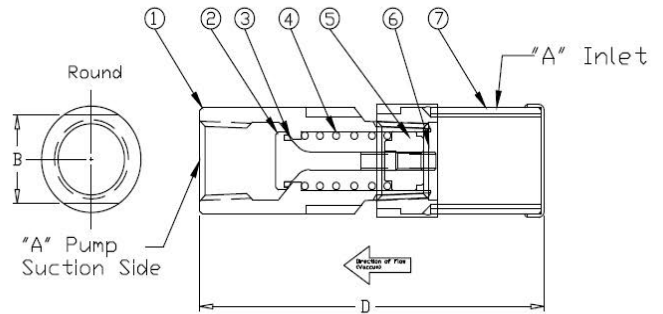
Valve should only be used for non-corrosive fluids, or where the materials selected are compatible with the fluid and will not cause corrosive buildup which could keep the poppet from opening. The basket is intended to prevent debris or other solid matter from entering the pump in your system.

PRINCIPLE OF OPERATION


This is a poppet (piston) and spring type check valve where the spring constantly opposes the pressure acting against the piston seat area. The desired cracking pressure is achieved by compressing the spring until the spring force is adequate to balance the pressure force acting against the poppet. When the inlet pressure exceeds the cracking pressure, the poppet will open to allow flow through and will reseal when the overpressure condition is below the cracking set point.

MAINTENANCE & REPAIR

This valve requires little or no maintenance. It is designed so that the cracking pressure can't be disturbed while in use. To change the cracking pressure setting requires complete removal of the valve from its pressure port. Caution: Make sure the pressure source is shut off to avoid injury, while removing the valve. Under no circumstances over tighten the spring to where it bottoms out! The poppet must be allowed to travel for flow to take place.



#	Item	Materials
1	Body	Stainless Steel
2	Poppet	Stainless Steel
3	Seal	Viton
4	Spring	Stainless Steel
5	Guide	Stainless Steel
6	Nut	Stainless Steel
7	Perf BASKET	Stainless Steel

PH 973-340-9955 FX 973-340-9933 20 Bushes Lane Elmwood Park, NJ, 07407			
MATL	SEE ABOVE	TITLE	Foot VALVE FOR PUMP SUCTION SIDE SERVICE
SCALE	NONE		1/2" - 3" NPT
DATE	04/20	DWG NO	FTV05
DRWN	WD	REV	