

Foot Valve Data Sheet



FEATURES:

- Built-in screen design makes the connection area stronger
- Smooth flow path reduces resistance of fluid
- Fewer parts and single connection reduce stress and improve accuracy
- Lightweight and compact, easy to install in tight spaces and simple to take apart for cleaning

PRESSURE VS. TEMPERATURE (PSI, WATER, NON-SHOCK):

Body Material	Temperature (F)	inches (mm)	
		1/2" - 2" (15 - 50)	3" - 4" (80 - 100)
PVC	30° - 120°	150	100
CPVC	30° - 120°	150	100
	121° - 140°	120	90
	141° - 175°	90	60
	176° - 195°	60	45
PP	-5° - 85°	150	75
	86° - 140°	90	60
	141° - 175°	60	45
PVDF	-30° - 140°	150	100
	141° - 175°	125	90
	176° - 195°	110	60
	196° - 210°	90	45

WEIGHTS (LBS.):

Nominal Size		Socket	Flanged
inches	mm		
1/2	15	0.22	0.66
3/4	20	0.44	0.88
1	25	0.66	1.32
1-1/2	40	1.54	3.31
2	50	2.20	3.31
3	80	7.71	11.02
4	100	15.43	23.14

SPECIFICATIONS:

SIZES: 1/2" - 4"
BODY MATERIALS: PVC, CPVC, PP, PVDF
SEATS: EPDM, FKM

PRODUCT SPECIFICATION:

A ball check valve with a foot screen can be installed vertically or horizontally on the suction side of a pump. The foot valve is an optional ball check valve arrangement where a screen is fitted into the inlet end of a ball check valve. This screen is used to filter large debris and solids from a fluid to prevent damage to pumps, clogging of valves and to protect downstream instrumentation. Foot valves can be typically found anywhere there is a check valve used as an intake. This includes pump inlets, lift stations and drains.