

# HDPE CHECK VALVE

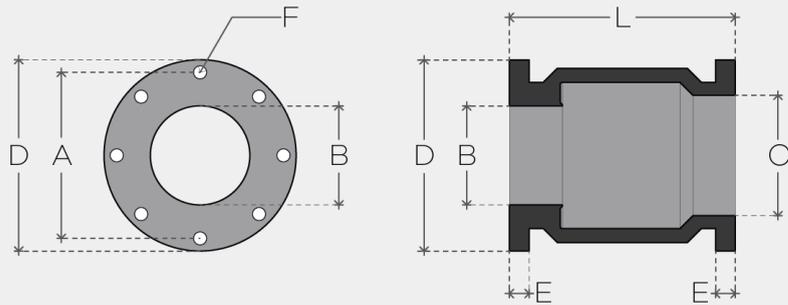
STANDARD: Class D

Fluid control valve. Allows flow in only one direction and prevents backflow.

Applications: Agriculture, Mining & Industry.



## DESIGN SPECIFICATIONS



Nominal valve size inch	D inch/mm	A inch/mm	B inch/mm	C inch/mm	L inch/mm	E inch/mm	Bolt Holes N°	ØF inch/mm	Weight lbs/kg
3"	7.3 / 185	5.7 / 146	3.1 / 80	3.8 / 96	10 / 255	1 / 25	4	0.7 / 18	6.0 / 2.7
4"	8.5 / 215	7 / 178	3.9 / 100	4.9 / 124	11 / 280	1 / 25	4	0.7 / 18	8.8 / 4.0
6"	11 / 280	9.3 / 235	5.9 / 150	6.7 / 170	14.2 / 360	1.2 / 30	8	0.7 / 18	18.3 / 8.3
8"	13.2 / 335	11.5 / 292	7.9 / 200	8.8 / 224	15.7 / 400	1.4 / 35	8	0.7 / 18	28.7 / 13
10"	15.9 / 405	14 / 356	9.8 / 250	10.2 / 260	17.3 / 440	1.5 / 38	8	0.9 / 22	32.4 / 14.7
12"	17.9 / 455	16 / 406	10.8 / 275	10.8 / 275	18.1 / 460	2 / 50	12	0.9 / 22	60.2 / 27.3
14"	20.7 / 525	18.5 / 470	11 / 280	11.4 / 289	20.9 / 530	2.2 / 55	12	1.0 / 26	83.8 / 38

## COMPONENTS/MATERIALS

- HDPE body and flapper.
- 316 stainless steel mechanism, springs, bolts and washers.
- Rubber seal.

## OPERATING CONDITIONS

<b>Pressure Range (PSI)</b>	5 PSI / 150 PSI
<b>Temperature Range (°F/°C)</b>	-85°F/160°F -65°C/70°C
<b>Corrosion Resistance</b>	Supports sulphuric acid and most common corrosive fluids.

## FEATURES

- Extremely low flow resistance:** when the flapper is wide open, the mechanism's force on it is at its minimum, allowing a smooth flow.
- Very low opening pressure:** flapper opens at barely 5 PSI.
- No noisy hammering:** flapper closes right before the reverse flow starts (at nearly zero flow), thus eliminating any hammering.
- Operates in any position:** works effectively horizontally, vertically or in any angle.

# HDPE STRAINER

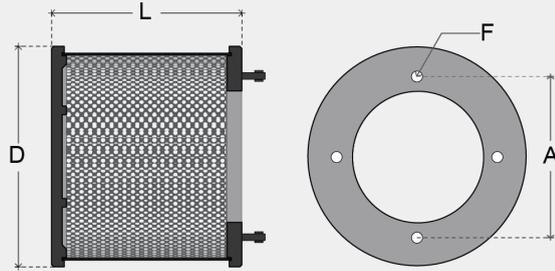
STANDARD: Class D

Keeps solids from being sucked into the valve.

Applications: Agriculture, Mining & Industry.



## DESIGN SPECIFICATIONS



Nominal valve size inch	D inch/mm	L inch/mm	A inch/mm	Studs N°	ØF inch/mm	Weight lbs/kg
3"	10.2 / 260	9.4 / 240	5.7 / 146	4	½ / 12.7	7.3 / 3.3
4"	10.2 / 260	13.4 / 340	7 / 178	4	½ / 12.7	7.5 / 3.4
6"	14.6 / 370	17.3 / 440	9.3 / 235	4	½ / 12.7	14.3 / 6.5
8"	20.5 / 520	25.2 / 640	11.5 / 292	4	⅝ / 15.9	16.1 / 7.3
10"	20.5 / 520	29.1 / 740	14 / 356	4	⅝ / 15.9	29.5 / 13.4
12"	20.5 / 520	37 / 940	16 / 406	6	¾ / 19.1	34.8 / 15.8
14"	24.8 / 630	44.9 / 1140	18.5 / 470	6	¾ / 19.1	57.3 / 26

## COMPONENTS/MATERIALS

- HDPE body.
- 316 stainless steel bolts and washers.

## OPERATING CONDITIONS

<b>Pressure Range (PSI)</b>	5 PSI / 150 PSI
<b>Temperature Range (°F/°C)</b>	-85°F/160°F -65°C/70°C
<b>Corrosion Resistance</b>	Supports sulphuric acid and most common corrosive fluids.

## FEATURES

- Use as a high performance stand-alone screen.
- Designed to combine with our poly check valve to make a poly foot valve.
- Operates in any position:** works effectively horizontally, vertically or in any angle.
- Low flow resistance:** The strainer's filtering area is 6 times bigger than the valve's suction area. Ideal for dirty water.

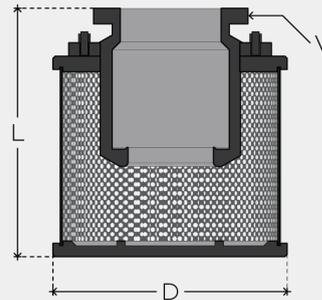
# HDPE COMPACT VALVE

STANDARD: Class D

The Rely Valve inside of a strainer, hence shorter than the Foot Valve. Ideal for shallow water.  
Applications: Agriculture, Mining & Industry.



## DESIGN SPECIFICATIONS



Nominal valve size - V inch	D inch/mm	L inch/mm	Weight lbs/kg
3"	14.6 / 370	13.0 / 330	21.2 / 9.6
4"	14.6 / 370	15.4 / 390	22.5 / 10.2
6"	18.5 / 470	18.5 / 470	40.8 / 18.5
8"	20.5 / 520	22.4 / 570	55.3 / 25.1
10"	24.6 / 625	24.8 / 630	87.3 / 39.6
12"	24.6 / 625	27.2 / 690	93.9 / 42.6
14"	25.6 / 650	32.7 / 830	114.4 / 52

## COMPONENTS/MATERIALS

- HDPE body and flapper.
- 316 stainless steel mechanism, springs, bolts and washers.
- Rubber seal.

## OPERATING CONDITIONS

<b>Pressure Range (PSI)</b>	5 PSI / 150 PSI
<b>Temperature Range (°F/°C)</b>	-85°F/160°F -65°C/70°C
<b>Corrosion Resistance</b>	Supports sulphuric acid and most common corrosive fluids.

## FEATURES

- Extremely low flow resistance:** when the flapper is wide open, the mechanism's force on it is at its minimum, allowing a smooth flow.
- Very low opening pressure:** flapper opens at barely 5 PSI.
- No noisy hammering:** flapper closes right before the reverse flow starts (at nearly zero flow), thus eliminating any hammering.
- Operates in any position:** works effectively horizontally, vertically or in any angle.