V V® Cast Iron Lift Check Valve Features

Check Valves permit flow in one direction only and close automatically when flow reverses. They are entirely automatic in action, depending upon pressure and velocity of flow within the line to perform their functions of opening and closing.

The disc and any associated moving parts may be in a constant state of movement if the velocity pressure is not sufficient to hold the disc in a wide open and stable position. Premature wear and noisy operation or vibration can be avoided by selecting the size of the check valve on the basis of flow conditions rather than selecting the check valve according to the size of the pipeline.

Sizing check valves on this basis may often result in the use of valves that are smaller than the pipe in which they are used, necessitating the use of reducers for installation. The pressure drop will be no greater than that of a larger valve that is partially open. Valve life will be greatly extended, and the added bonus, of course, is the lower cost of the smaller valves.

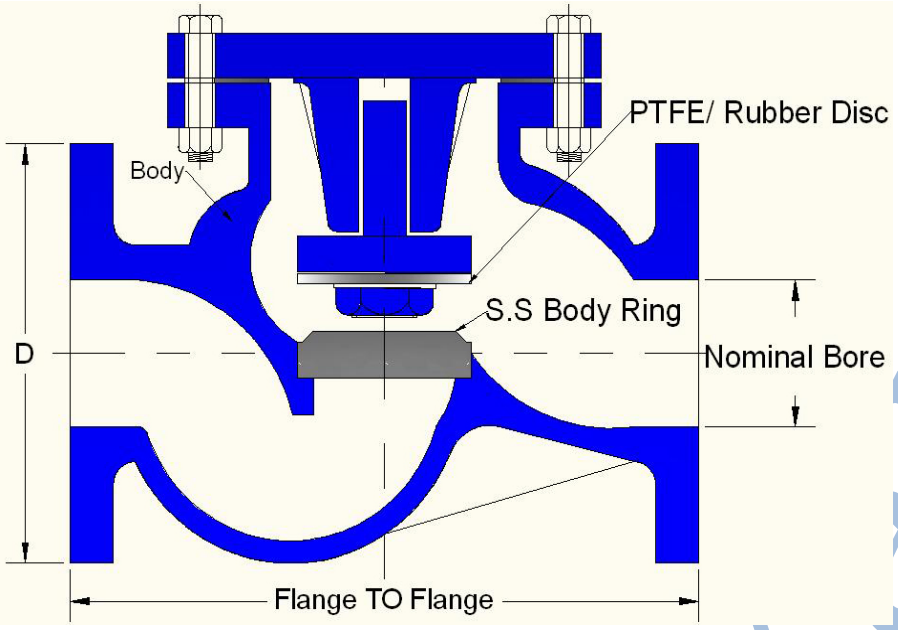
There is no tendency for seating surfaces to gall or score because the disc meets the flat seat squarely without rubbing. When faster reaction to flow reversal is necessary, certain valves can be equipped with an outside lever and weight. This will assist the disc to close more rapidly and reduce the possibility of surge and shock.

Bronze Trim Valves are for steam, water, non-corrosive oil and gas and other fluids that do not corrode bronze.

Lift Type

Figure No. 349-P **C.I Lift Check Valve** V V®

PN 16 • Bolted Cover • Flanged Ends • DIN Std. 2533



Max. Working Pressure : 10 Kg/cm^2.
Max. Working Temp. : 170°C

Features

- **<u>For air service/ Hot air / gases/ steam</u>**
- Globe type body design with full flow area
- Design prohibits galling or scoring of seating because the disc meets the flat seat securely on closing with no rubbing action
- Bolted Bonnet
- Flanges as per DIN 2533 PN 16
- Size Range : 15 mm – 150 mm
- Packing Graphited Asbestos
- Gaskets Compressed Asbestos Fibre

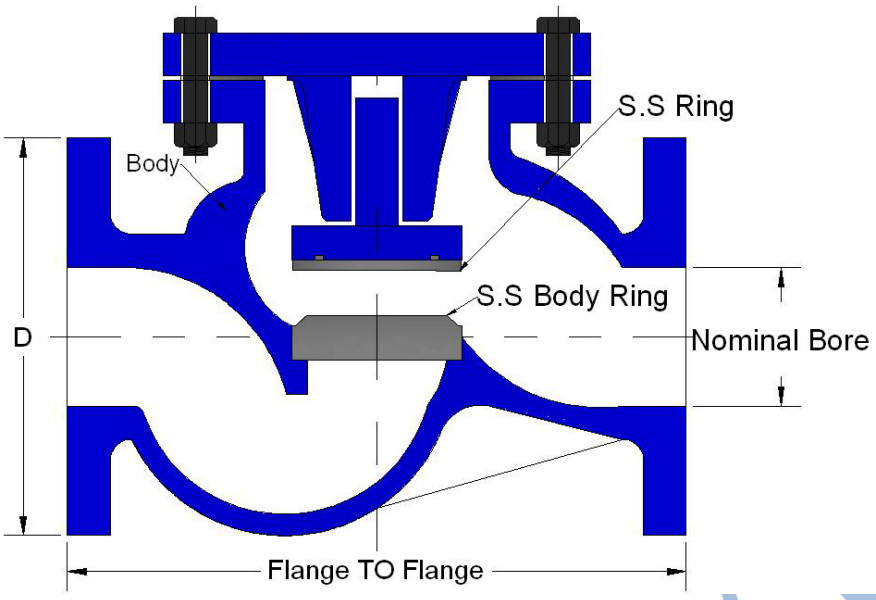
Dimensions

Nominal Size	L	D (Dia.)	H (Appx.)	T (Thickness)
mm	**mm**	**mm**	**mm**	**mm**
15	130	95	85	14
20	150	105	85	16
25	160	115	90	16
32	180	140	100	18
40	200	150	120	18
50	230	165	130	20
65	290	185	160	20
80	310	200	170	22
100	350	220	190	24
125	400	250	215	26
150	480	285	240	26

Figure No. 348/349 **Lift Check Valve G.M Trim/ S.S Trim**

V V®

Bolted Cover • Flanged Ends • DIN Std. 2533 • PN 16



Features

- Globe type body design with full flow area
- Design prohibits galling or scoring of seating because the disc meets the flat seat securely on closing with no rubbing action
- Flanges as per DIN 2533 PN 16
- Bolted Bonnet
- Size Range : 15 mm – 150 mm
- Packing Graphited Asbestos
- Gaskets Compressed Asbestos Fibre

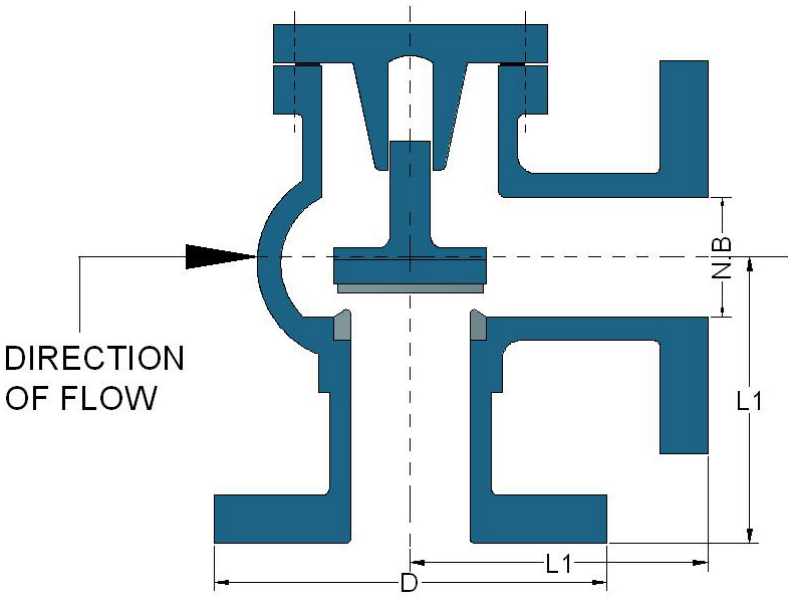
Dimensions

Nominal Size	L	D (Dia.)	H (Appx.)	T (Thickness)
mm	**mm**	**mm**	**mm**	**mm**
15	130	95	85	14
20	150	105	85	16
25	160	115	90	16
32	180	140	100	18
40	200	150	120	18
50	230	165	130	20
65	290	185	160	20
80	310	200	170	22
100	350	220	190	24
125	400	250	215	26
150	480	285	240	26

Figure No. 350/351 **Angle Type Lift Check Valve G.M Trim/ S.S Trim**

V V®

Bolted Cover • Flanged Ends • DIN Std. 2533 • PN 16



FOR Air/ Hot air/ Gases/ Steam Services Renewable PTFE Disc/ Rubber Disc can be made on demand

Features

- Globe type body design with full flow area
- Design prohibits galling or scoring of seating because the disc meets the flat seat securely on closing with no rubbing action
- Flanges as per DIN 2533 PN 16
- Bolted Bonnet
- Size Range : 15 mm – 150 mm
- Packing Graphited Asbestos
- Gaskets Compressed Asbestos Fibre

Dimensions

Nominal Size	L1	D (Dia.)	H (Appx.)	T (Thickness)
mm	**mm**	**mm**	**mm**	**mm**
15	90	95	65	14
20	95	105	65	16
25	100	115	70	16
32	105	140	75	18
40	115	150	90	18
50	125	165	95	20
65	145	185	115	20
80	155	200	140	22
100	175	220	150	24
125	200	250	170	26
150	225	285	190	26

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