

NORVALTM

CIP NON RETURN VALVE



For over 30 years the Norval Non Return Valve principle of cone and flexible diaphragm has been successfully used through most industrial sectors.

During discussions early this year with engineers within the Brewing, Soft drinks and food market, we established that the Norval principle could well be developed to overcome problems encountered with Non Return Valves on CIP systems.

Following successful trials, we have now developed the Norval CIP valve. In this valve the Norval CD – cone and diaphragm is housed within a 316 stainless steel body that has end connections either RJT or IDF.

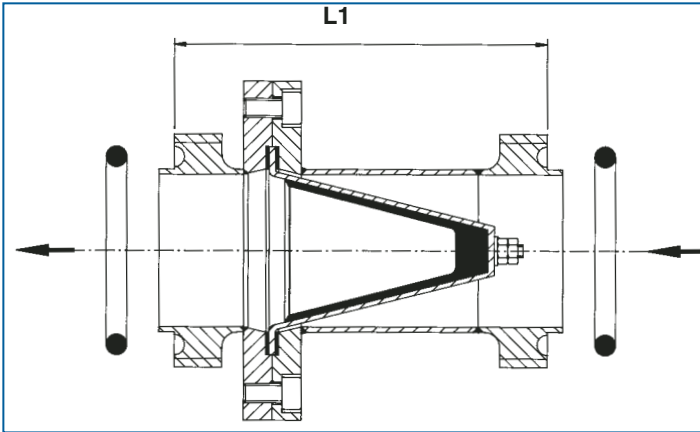
The salient features of this valve are as follows:-

- Tight shutoff under minimum back pressure.
- Quick response to no-flow or reverse flow conditions.
- Low resistance to forward flow.
- Less noise and wear due to slamming shut under reverse flow.
- Ease of installation.
- It operates in any position, vertically up or down, or horizontal.
- Only one moving part - flexible diaphragm.
- Can be fully maintained by simple, low cost replacement of diaphragm.

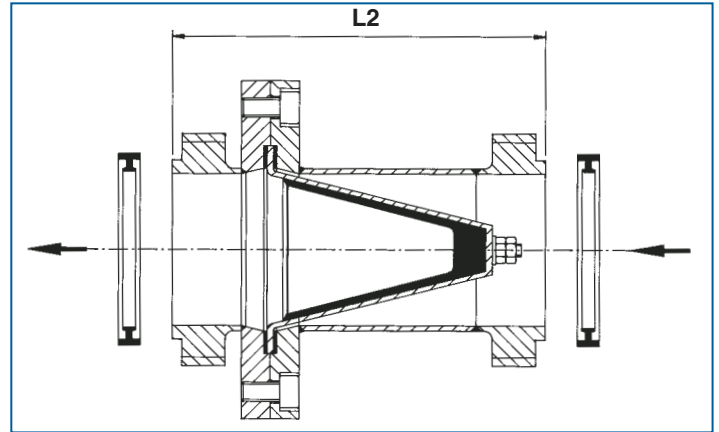


NORTHVALE KORTING LTD

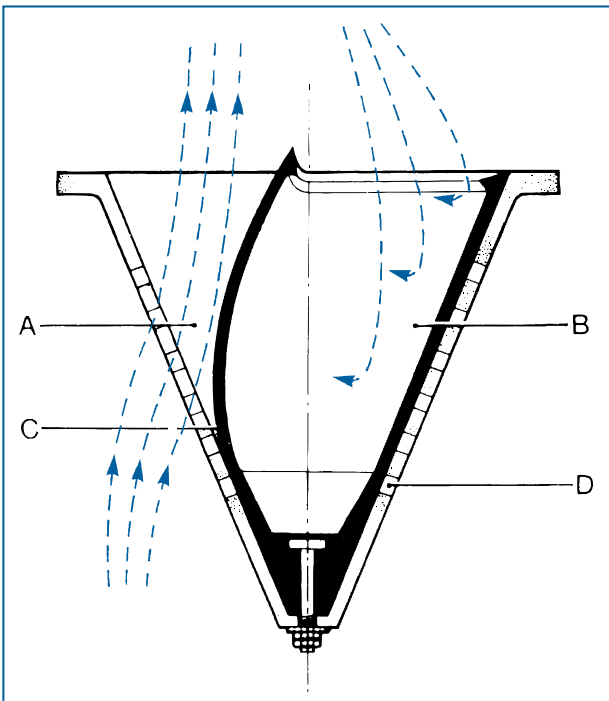




RJT Connections



IDF Connections



Dimension(s) below is distance across Flats on Central Flange

Method of Operation

Flow takes place in the direction of the arrows under forward and reverse flow.

- A - Valve Open
- B - Valve Closed
- C - Diaphragm
- D - Cone

With flow in the forward direction the diaphragm deflects inwards (A) allowing easy passage of the liquid with little pressure loss. When a no flow, or back pressure, condition occurs the diaphragm returns to its relaxed position (B) sealing off all flow in the reverse direction.

This action is unaffected by the orientation of the valve.

Valve Dimensions				
SIZE	RJT		IDF	
	L1	S	L2	S
2" (50MM)	116	79.5	116	79.5
2½" (65MM)	116	90	116	90
3" (80MM)	165	108	165	108

Materials of Construction

Body - 316 Stainless Steel. Bolting - 316 Stainless Steel. Body Gasket - EPDM. Norval Cone - 316 Stainless Steel. Diaphragm - Standard - EPDM. Also available - Nitrile, Silicone or Viton.



Registered Office: Uxbridge Road, Melton Road, Leicester LE4 7ST Registered in England No. 2091066
 Telephone: (0116) 2665911 (6 lines) Fax: (0116) 2610050
 E-mail: sales@northvalekorting.co.uk Website: www.northvalekorting.co.uk