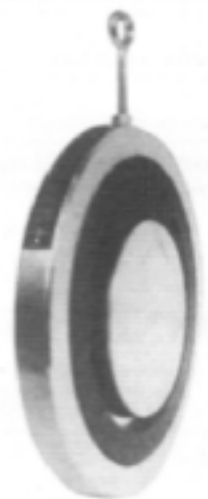


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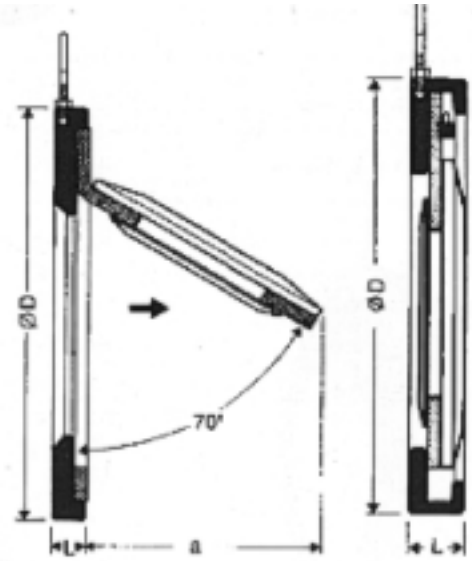


Wafer Check Valves

SLIM

DIMENSIONS AND WEIGHTS

DN mm	Dimensions mm			Weight kg
	L	D	a	
50	14	98	45	0,7
65	14	124	60	1,1
80	14	130	70	1,2
100	14	162	90	1,7
125	16	194	115	2,8
150	16	216	145	3,5
200	18	273	185	6,0
250	35	330	220	13,2
300	43	380	270	18,7
350	50	425	301	20,0
400	57	475	346	28,6
450	67	530	387	42,0
500	76	580	427	54,0
600	85	681	507	82,0



DN 50 to DN 200

DN 250 to DN 600

PRESSURE/TEMPERATURE RATING

Nominal sizes	DN50 to DN300	DN350 to DN500	DN600
Nominal Pressure	PN16 ¹	PN10 ²	PN6
Max service pressure barg	16 10 6 4	10 6 4 2	6 4 2 1
Related temperature °C	20 40 60 80	20 40 60 80	20 40 60 80
Minimum temperature ²	-10°C		

1. Also rated ANSI and BS10 but see flange details below.
2. Minimum temperature for nominal pressure rating.

CONNECTIONS

³ Standard valves for fitting between flanges to		
BS 4504	BS 10	ANSI
PN10 and PN16	Tables D and E (except DN65)	ANSI B 16.1 class 125 FF ANSI B 16.5 class 150 RF

3. Installation in horizontal pipelines or in vertical lines with upward flow.
If the valves are installed in horizontal lines the eyebolt must be on top (see illustration).

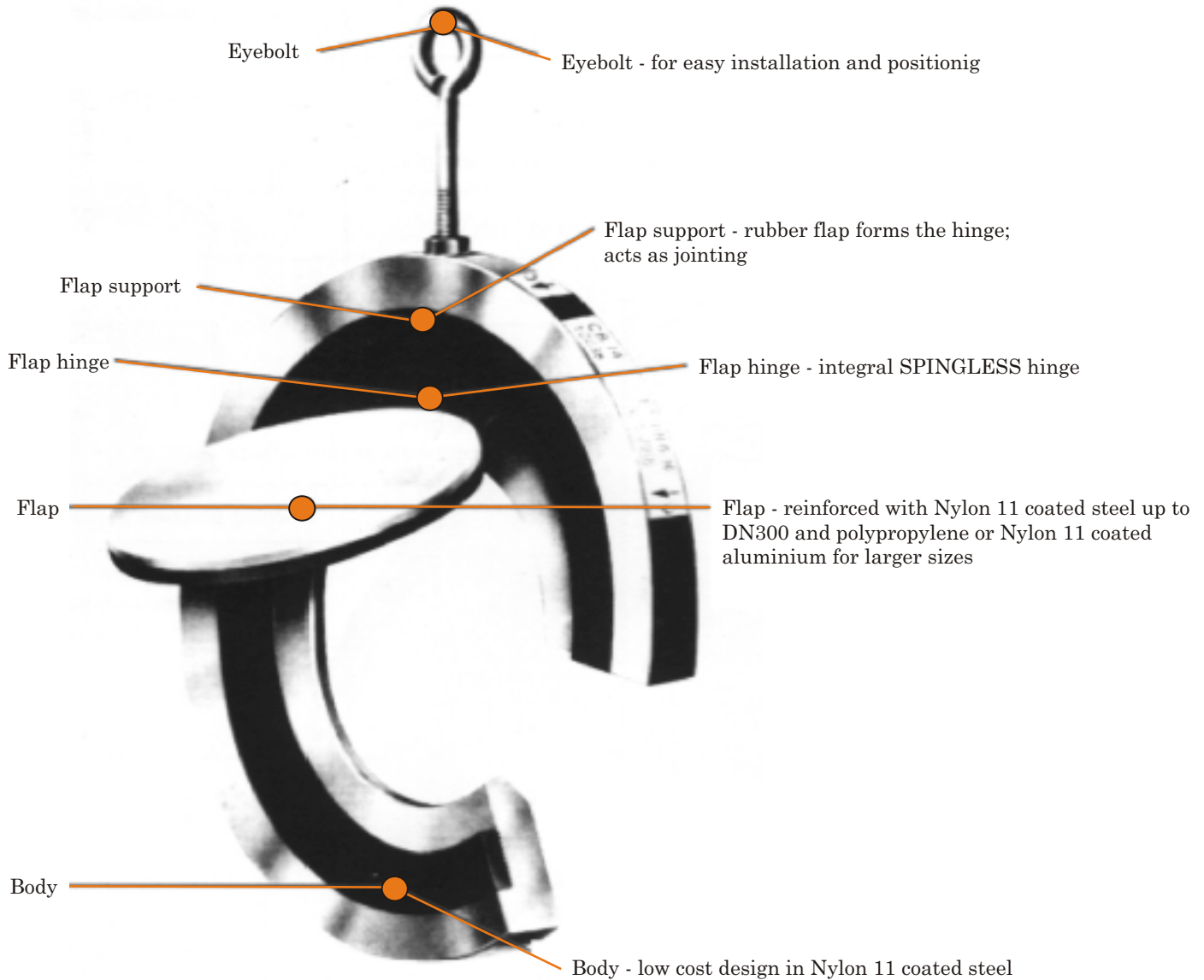


SLIM wafer check valve showing correct position of eyebolt for horizontal installation.

Wafer Check Valves

SLIM

FEATURES



BENEFITS

- Long life
- No springs
- Bubble tight
- Unaffected by dirt
- Large sealing surfaces
- Wafer pattern easy to install

- Low cost
- Extremely low weight
- Maintenance free
- No wearing parts
- Handles broad range of fluid and gaseous media

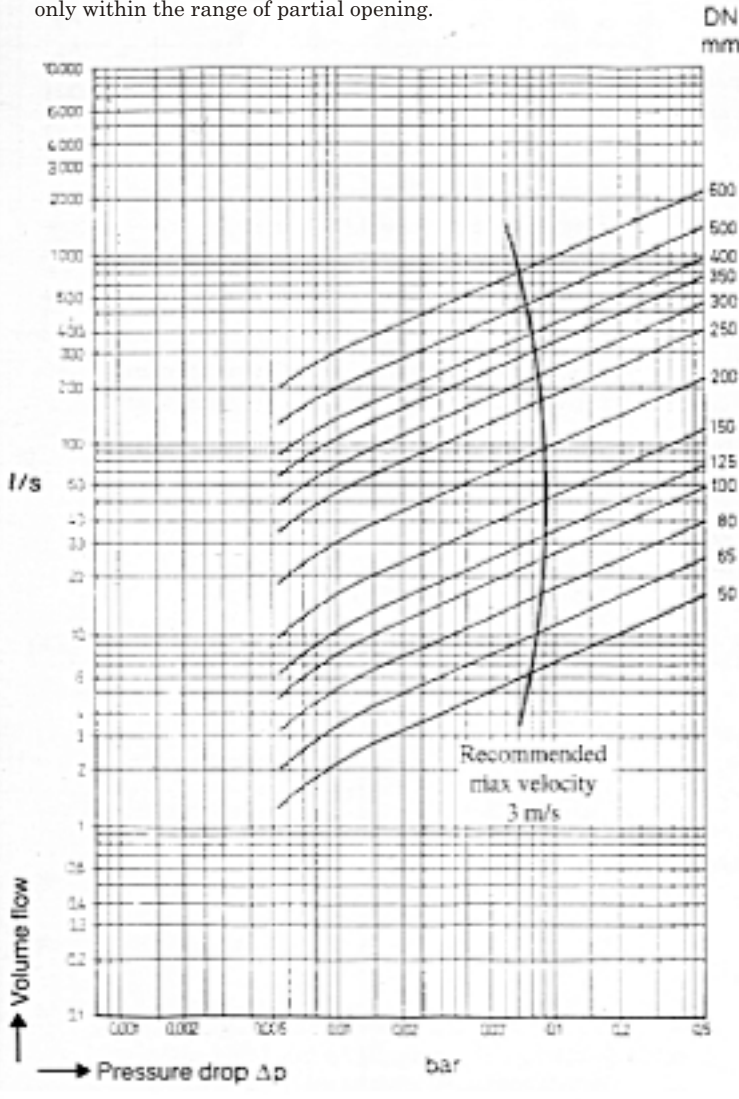
Wafer Check Valves

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Pressure Drop Chart

The curves given in the chart are valid for water at 20°C. To read the pressure drop for the other fluid the equivalent water volume flowrate must be calculated and used in the graph

The values indicated in the chart are applicable to valves with horizontal flow. With vertical flow insignificant deviations occur only within the range of partial opening.



Manufactured to THE QUALITY SYSTEM requirements of ISO 9002

Materials

Body	Nylon 11 coated steel
Flap	Nitrile rubber
Reinforcement plate	
DN50 - DN300	Nylon 11 coated steel
DN350 - DN600	Polypropylene or Nylon 11 coated aluminium

Opening pressure

Differential pressures at zero volume flow

DN mm	Direction of flow valves without springs		
	↑	→	↓
50 to 150	8	0	
200 to 300	15	0	*
350 to 600	30	0	

* Valves not suitable for downward flow applications

Note

For systems with pulsating flow, as in the case of plunger pumps or reciprocating compressors, special valves might be required. Please consult us.

Wafer Check Valves

Available from:

We reserve the rights to alter dimensions and/or materials of construction at any time, without notice. Please refer to us when purchasing if any detail is critical to selection.