

## JV080011

**Stainless Steel  
PTFE Seals  
Swing Type  
Check (Non-Return) Valve  
Multi-Flange Wafer Type**  
DN40-80 - PN10/16/25/40, ANSI 300  
DN100-150 - PN10/16  
DN200-400 - PN16



A stainless steel wafer swing type check valve suitable for a wide range of applications.

It can be fitted in the horizontal position or in the vertical position with the flow going upwards.

This valve requires a low minimum pressure to open.

### Approvals, Features & Benefits

- PTFE seals for a wide range of applications
- Lightweight construction
- Wafer type
- Multi-flange

### Pressure & Temperature

Pressure range:-

DN40-80 : PN25 Rated  
DN100-400 : PN16 Rated

Temperature Range:-

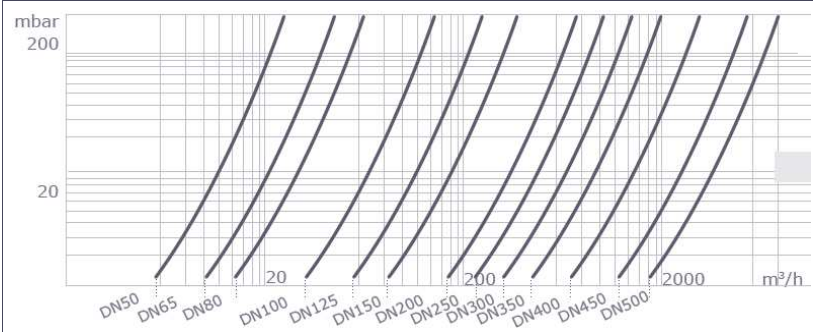
0°C to 200°C

DN	40	50	65	80	100	125	150	200	250	300	350	400
<b>B</b>	14	14	14	14	18	18	20	22	26	32	38	44
<b>C</b>	95	109	128	145	164	195	221	275	330	380		
<b>D</b>	30	35	48	60	78	98	117	160	200	235		
<b>Weight Kg</b>	0.7	0.9	1.2	1.5	2.5	3.2	5.3	9.7	16.2	28.0	32.0	48.0

### MATERIALS

<b>Body</b>	Stainless Steel (AISI 316)
<b>Disc</b>	Stainless Steel (AISI 316)
<b>Screw</b>	Stainless Steel (AISI 316)
<b>Seat &amp; Seals</b>	PTFE

### HEADLOSS (H<sub>2</sub>O at 20°C - Horizontal Flow)



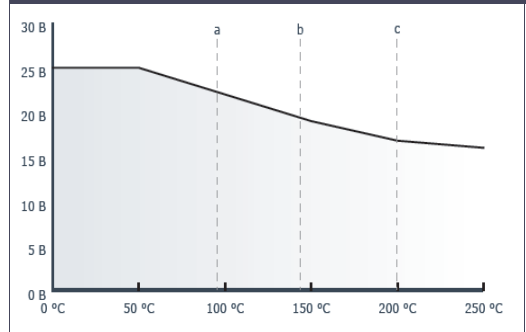
### Formula for calculation of equivalent flow rate to H<sub>2</sub>O

For different liquid, gas or steam head losses are determined by equivalent water flow rate, as follows:

Q<sub>e</sub> - equivalent water flow (m<sup>3</sup>/h or l/s)  
Q - fluid flow (m<sup>3</sup>/h or l/s)  
d - fluid specific gravity (Kg/m<sup>3</sup>)

$$Q_e = Q \sqrt{\frac{d}{1000}}$$

### PRESSURE / TEMPERATURE CHART



a - NBR Seat & Seals - T<sub>max</sub> = 95°C

b - EPDM Seat & Seals - T<sub>max</sub> = 130°C

c - PTFE Seat & Seals - T<sub>max</sub> = 200°C