Swing Check Valves WB without spring, DN 50 – 300 mm, PN 10/16

Pressure Drop Chart

The curves given in the chart are valid for water at 20 °C.
To read the pressure drop for other fluids 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 openings.

$$\dot{V}_W = \dot{V} \cdot \sqrt{\frac{\rho}{1000}}$$

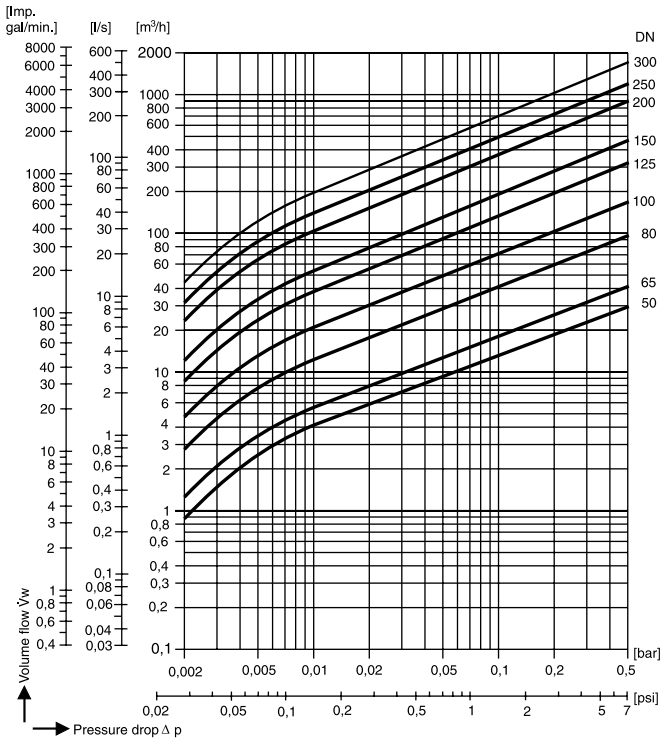
$\dot{V}_W$ = Equivalent water volume flow in [l/s] or [m³/h]

ρ = Density of fluid (operating condition) in [kg/m³]

$\dot{V}$ = Volume flow of fluid (operating condition) in [l/s] or [m³/h]

Opening Pressures

Opening pressure zero when valve is installed in horizontal line.



Stock Codes

Material	Type	Nominal pressure PN	Nominal size		Stock code
			DN	inch	
Soft seat of NBR	WB 26	10/16	50	2"	6501803
	WB 26	10/16	65	2½"	6501903
	WB 26	10/16	80	3"	6502003
	WB 26	10/16	100	4"	6502103
	WB 26	10/16	125	5"	6502203
	WB 26	10/16	150	6"	6502303
	WB 26	10/16	200	8"	6502503
	WB 26	10/16	250	10"	6502603
	WB 26	10/16	300	12"	6502703
Soft seat of NBR	WB 26 A	10/16	50	2"	6511803
	WB 26 A	10/16	65	2½"	6511903
	WB 26 A	10/16	80	3"	6512003
	WB 26 A	10/16	100	4"	6512103
	WB 26 A	10/16	125	5"	6512203
	WB 26 A	10/16	150	6"	6512303
	WB 26 A	10/16	200	8"	6512503
	WB 26 A	10/16	250	10"	6512603
	WB 26 A	10/16	300	12"	6512703
Soft seat of EPDM	WB 24 S	10/16	50	2"	6531803
	WB 24 S	10/16	65	2½"	6531903
	WB 24 S	10/16	80	3"	6532003
	WB 24 S	10/16	100	4"	6532103
	WB 24 S	10/16	125	5"	6532203
	WB 24 S	10/16	150	6"	6532303
	WB 24 S	10/16	200	8"	6532503
	WB 24 S	10/16	250	10"	6532603
	WB 24 S	10/16	300	12"	6532703

Special Designs

Soft seats (FPM)

for oils, gases, air up to 200 °C