

Check Valves PN 25

with FKM or EPDM seal
DN 10...50



Backflow preventer made of brass for horizontal and vertical installation. Valve plug spring-loaded. For central heating and cooling systems with closed circuits and industrial plants. Not suitable for use with pulsating flow or within a distance of 10 x DN downstream of a pump.

Valve plug seal of FKM or EPDM for various applications:

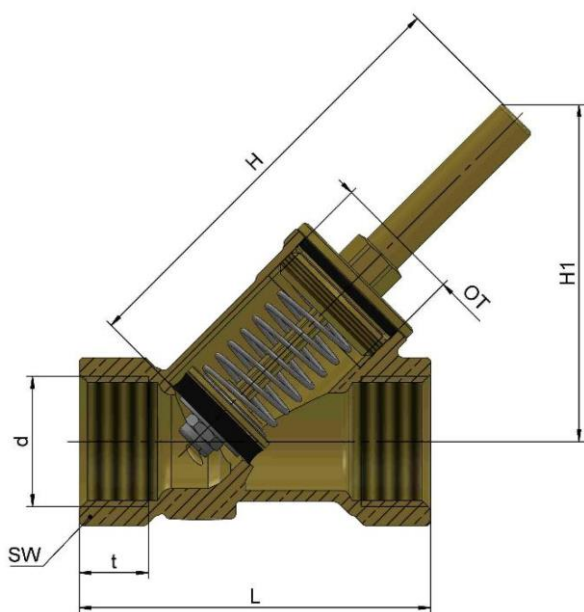
- With **FKM** seal (item no. 10722..):
For operation with water or water-glycol mixtures according to VDI 2035 / ÖNORM 5195 (max. 50% glycol content, pH value 6.5...10) as well as non-aggressive, non-hazardous liquids.
Material resistance: Mineral, heating and hydraulic oils, fuels and air. Not suitable for gaseous fluids group 1 according to Directive 2014/68/EU. The standards and regulations applicable to the use of this media may restrict the temperature range.
- With **EPDM** seal (item no. 10723..):
For operation with water (also potable water) or water-glycol mixtures according to VDI 2035 or ÖNORM 5195 (max. 50% glycol content, pH value 6.5...10).

Technical Data

Nominal sizes	DN 10...50
Variants	DN 10...20: with internal thread according to EN 10226 DN 25...50: with internal thread according to ISO 228
Operating temperature	Item no. 10722..: 0...100°C Item no. 10723..: -10...150°C
Operating pressure	PN 25
Medium	Water, water-glycol mixture with a max. glycol content of 50% according to VDI 2035 / ÖNORM 5195 Variant with FKM seal also for: Mineral, heating and hydraulic, oils, fuels and air. Not suitable for gaseous fluids group 1 according to Directive 2014/68/EU Variant with EPDM seal also for: Potable water
Opening pressure	40 mbar
Kvs values	3.4...62.1

Dimensions and item numbers

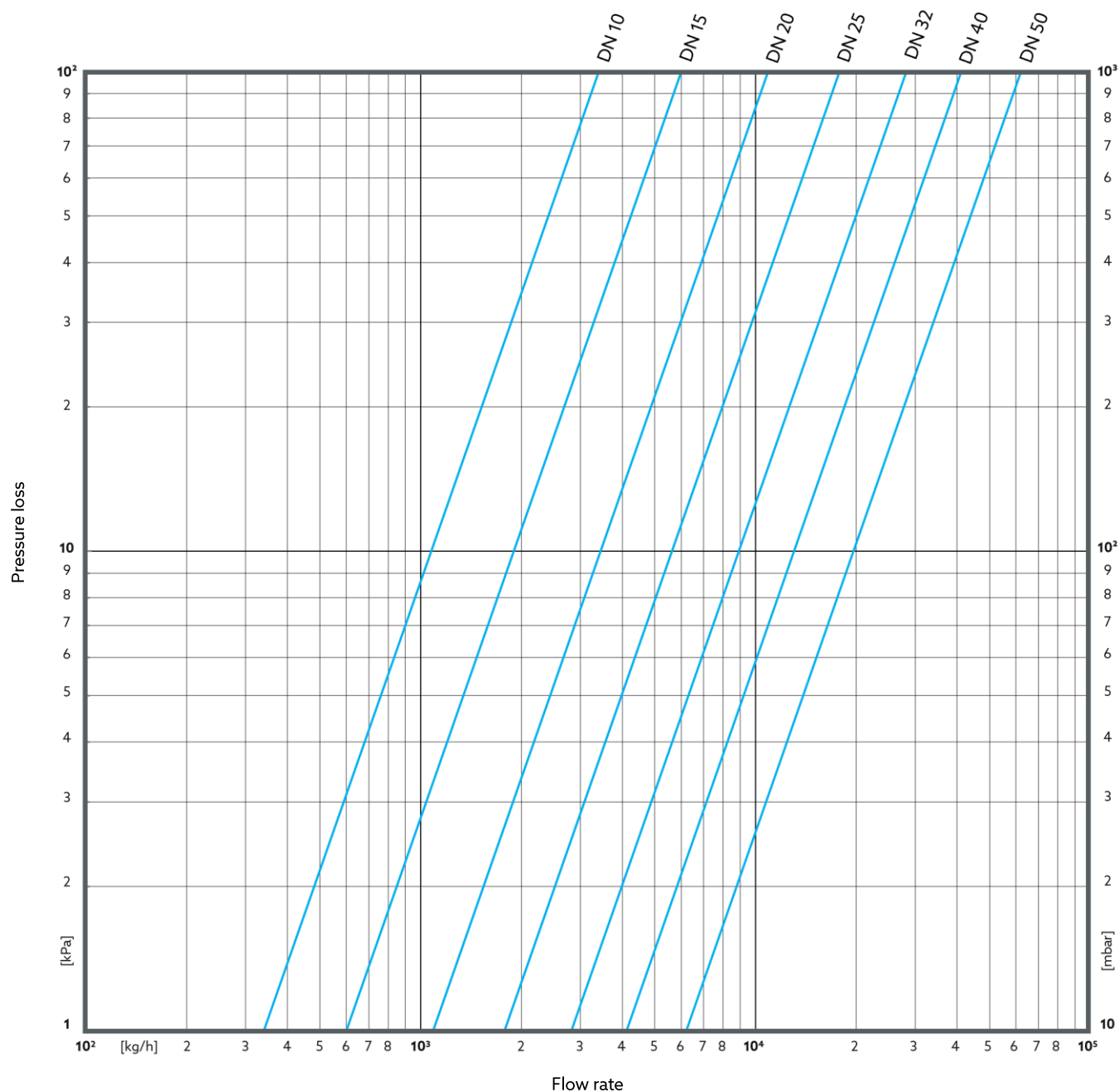
DN	Connection d	L [mm]	H [mm]	H1 [mm]	SW [mm]	t [mm]	Item no. FKM seal	Item no. EPDM seal
10	Rp 3/8	62	49	42	21	11.2	1072203	1072303
15	Rp 1/2	65	79	62	25	14.2	1072204	1072304
20	Rp 3/4	75	92	72	31	15.2	1072206	1072306
25	G 1	90	111	87	38	17.7	1072208	1072308
32	G 1 1/4	110	121	96	50	21.4	1072210	1072310
40	G 1 1/2	120	135	106	55	21.4	1072212	1072312
50	G 2	150	168	131	67	25.7	1072216	1072316



Materials

Component	Item no. 10722..	Item no. 10723..
Body	Brass	
Bonnet	Brass	
Plug seal	FKM	EPDM
Bonnet seal	FKM	EPDM

Flow chart



Kvs values

Nominal size	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50
Kvs value	3.4	6.0	10.9	17.8	28.2	41.2	62.1

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