

Check Valves

Internal threads PN 25, DN 10...50



Item no. 10721..

Backflow preventers 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 behind a pump.

Valve disc seal made of FKM or EPDM for various applications:

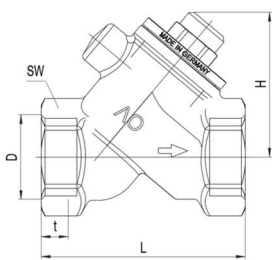
With FKM seal (item no. 10720..): for operation with non-aggressive, harmless media. Material resistance: mineral, heating and hydraulic oils, fuels, air. The standards and regulations applicable to the use of these media may restrict the temperature range. Not suitable for gaseous fluids group 1 according to directive 2014/68/EU.

With EPDM seal (item no. 10721..): for operation with water (also potable water) or water-glycol mixtures according to VDI 2035 / ÖNORM 5195 with a maximum glycol content of 50%.

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. 10720..: 0...100°C Item no. 10721..: -20...150°C
Operating pressure	max. 25 bar / PN 25 max. 6 bar for air
Opening pressure	40 mbar
Kvs values	DN 10: 3.4 DN 15: 5.5 DN 20: 10.3 DN 25: 17.5 DN 32: 33.0 DN 40: 44.0 DN 50: 68.0
Certifications	10721..: WRAS approved

Dimensions and item numbers

	Item no.								
	DN	D	Kvs	L [mm]	H [mm]	Spanner size [mm]	t [mm]	FKM	EPDM
	10	Rp 3/8	3.4	63.5	41	22	10.1	1072003	1072103
	15	Rp 1/2	5.5	66	41	27	13.2	1072004	1072104
	20	Rp 3/4	10.3	75	44	32	14.5	1072006	1072106
	25	G 1	17.5	80	57	41	10.5	1072008	1072108
	32	G 1 1/4	33.0	97	67	50	12.5	1072010	1072110
	40	G 1 1/2	44.0	107	80	55	14.5	1072012	1072112
	50	G 2	68.0	124	90	68	16.5	1072016	1072116

Materials

Component	Material
Body	Bronze
Bonnet	Dezincification resistant brass
Bonnet seal	FKM or EPDM
Spindle	Dezincification resistant brass
Valve disc	Dezincification resistant brass
Valve disc seal	FKM or EPDM

Accessories

Compression fittings

	Suitable for	Connection size	Item no.
	DN 10	G 3/8 x 10 mm	1027151
	DN 10	G 3/8 x 12 mm	1027152
	DN 15	G 1/2 x 12 mm	1027153
	DN 15	G 1/2 x 15 mm	1027155
	DN 20	G 3/4 x 18 mm	1027157
	DN 20	G 3/4 x 22 mm	1027158

Flow chart

