

Water, purified water, chemical industry

Function

These non-return valves with concentric rings are used in water, purified water and chemical applications. Its extremely fast obturation avoids pressure peaks as well as valve hammering.

Advantages

- Low pressure loss
- Low inertia
- Short closing stroke
- Short closing time
- Silent obturation
- No pressure peaks or valve hammering
- Mounting position horizontal or vertical

Mounting position

- Between two flanges
- Flange mounting
- Flow calming area = 3 x ND

Technical features

- Connection DN 80 - 1800
- Operating pressure PN 10 - 50
- Operating temperature Max. 60 °C (water)

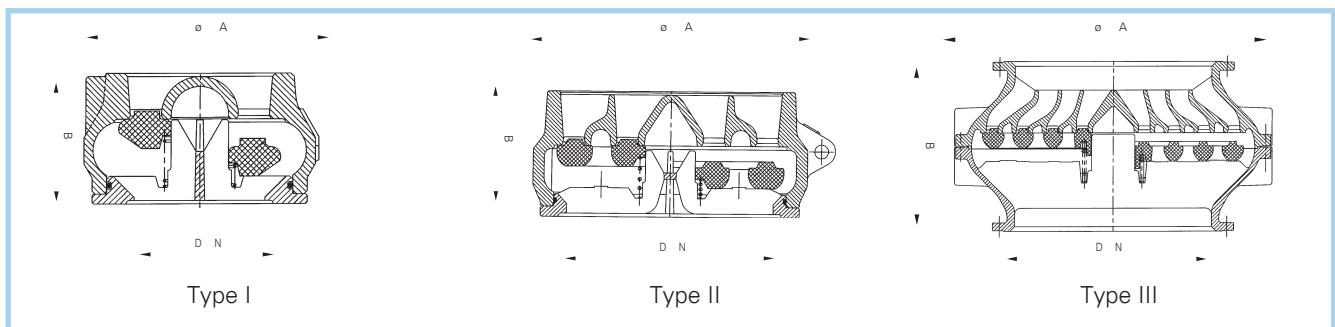
Other ranges on request.

Design

- Body Cast iron
- Sleeve / counterflange Cast iron
- Internal / external coating Epoxy resin
- Obturator Polyurethane
- Spring Stainless steel
- O-ring Nitrile

Versions completely manufactured in stainless steel available on request.

Sectional drawings



Dimensions and weights

Type	DN (mm)	PN (bar)					Dimensions		Weight (kg)	
		10	16	20	25	40	50	øA (mm)		B (mm)
Mounting between two flanges	I	80	FGS 400-15			FGS 450-10		142	80	2
		100	FGS 400-15			FGS 450-10		174	100	6
		125	FGS 400-15			FGS 450-10		210	125	11
		150	FGS 400-15			FGS 450-10		246	150	17
		200	FGS 400-15			FGS 450-10		290	127	22
	II	250	FGS 400-15			FGS 450-10		352	146	35
		300	FGS 400-15			FGS 450-10		398	181	50
		350	FGS 400-15			FGS 450-10		460	222	80
		400	FGS 400-15			FGS 450-10		520	232	100
		450	FGS 400-15			FGS 450-10		430	260	150
Flange mounting	III	500	FGS 400-15			FGS 450-10		626	292	180
		600	FGS 400-15			FGS 450-10		900	435	500
		700	FGS 400-15			FGS 450-10		1120	500	800
		800	FGS 400-15			FGS 450-10		1180	515	1000
		900	FGS 400-15			FGS 450-10		1480	710	1700
		1000	FGS 400-15			FGS 450-10		1500	730	1900
		1200	FGS 400-15			FGS 450-10		1890	900	3400
		1400	FGS 400-15			FGS 450-10		1960	900	3900
1600	FGS 400-15			FGS 450-10		2310	1000	5700		
1800	FGS 400-15			FGS 450-10		2360	1000	6100		



Pressure loss diagram

