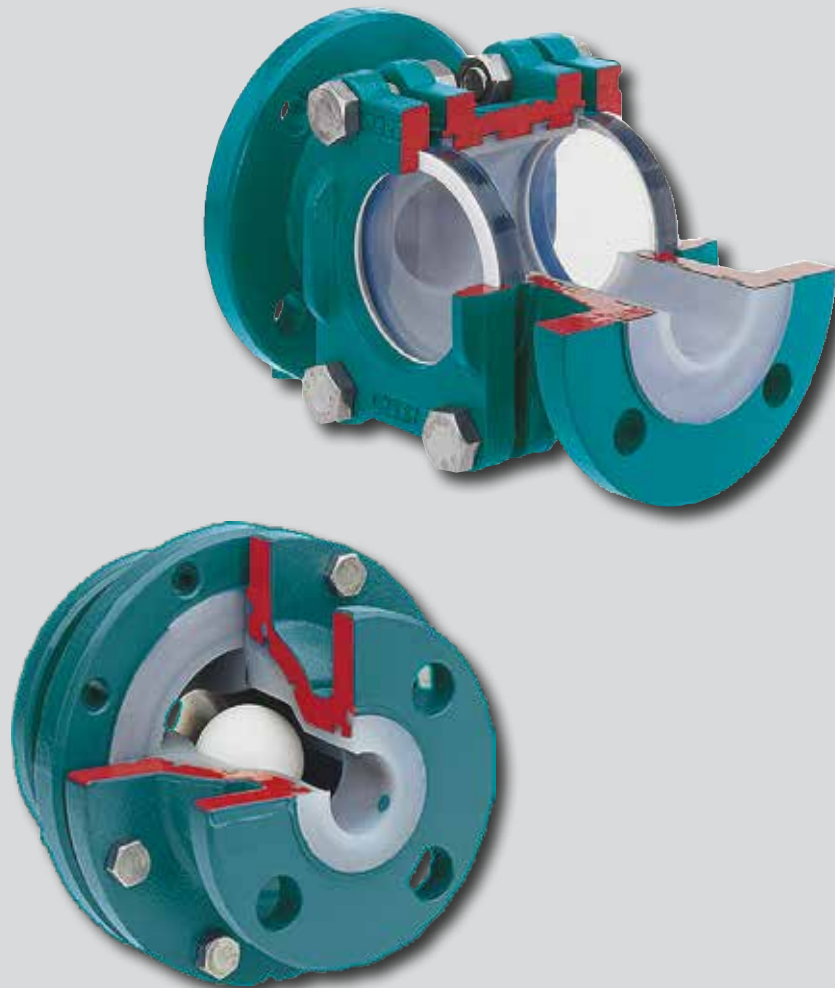


Special valves

in stainless steel and with FEP / PFA Lining
DN15 - 200 / PN10 - 25
NPS $\frac{1}{2}$ " - 8" / class150



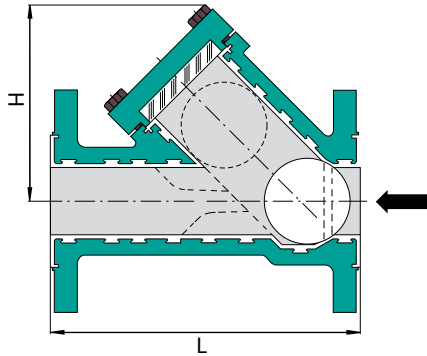
5.1

- Ball check valve with FEP / PFA Lining as well as metallic design
- Sightglass with FEP / PFA Lining and carbon steel, stainless steel or special alloys
- Strainers with FEP / PFA Lining

Special valves

Ball Check Valve with and without FEP / PFA Lining

Type DELTA, Typ DELTA-SG (with sightglass)



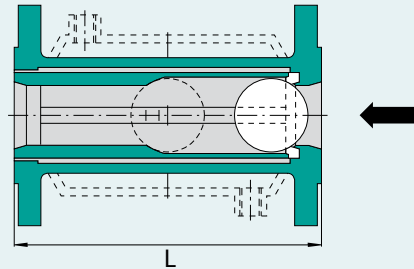
- DN 15-150 PN 10-40
- with Borosilikat sightglass for visual function control
- with heating jacket on request
- with FEP / PFA Lining (3mm min.)



temperature range up to 150°C

Installation instruction: Ball riser must point upwards when valve is horizontally installed and it must point upwards in a slanting position when valve is vertically installed.

Type MRV (metal design)



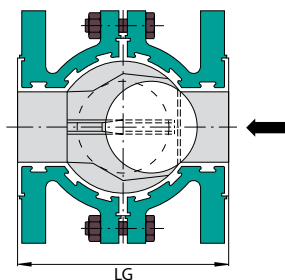
- DN 15-150 PN 10-40
- metal design
GS-C25, 1.4408, others on request
- with heating jacket available
- with sightglass



temperature range up to 180°C

Installation instruction: see type GLOBUS

Type GLOBUS



- DN 15-150 PN 10-40



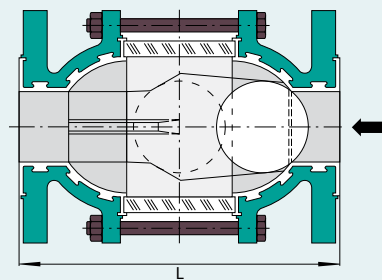
temperature range up to 150°C

Type GLOBUS

Condition: After the check valve in flow direction the pipe-DN must correspond to the check valve-DN. Recommendation for vertical type: DELTA.

When vertically installed (=0°) resp. (up to 60° angle) ball check valves close automatically, because ball is guided in the centre of the bore. When horizontally installed (=90°) resp. (up to 30°) the valves close automatically if the back flow related water is 1,5 - 2,5 m/sec.

Type GLOBUS-SG (with sightglass)



- DN 15-150 PN 10-40
- with Borosilikat sightglass for visual function control



temperature range up to 130°C

Order Example: F2-50-RV-DELTA-PN10

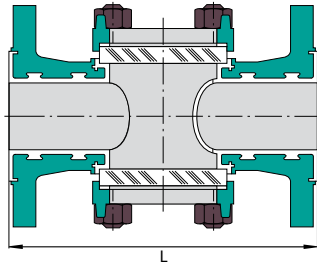
F = flange, 2 = two-way, 50 = nominal size, RV = check valve, DELTA = Typ DELTA, PN10 = nominal pressure

Special valves

Sightglass with and without FEP / PFA Lining

Sightglass with full bore

Type OCULAR-A Extra (with FEP / PFA Lining)

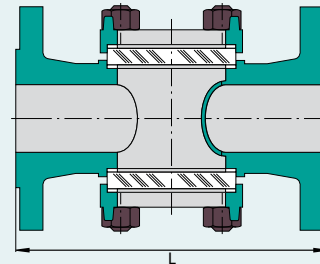


- DN 15-100 PN 10-40
- body made of GGG40.3
- with FEP / PFA Lining (3mm min.)
- entry nozzle for turbulences
- with Borosilikat sightglass
- with heating jacket



temperature range up to 150°C

Type OCULAR Extra (in stainless steel or special material)



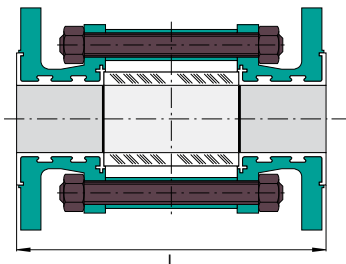
- DN 15-250 PN 10-40
- body made of stainless steel (1.4408)
- special material on request
- entry nozzle for turbulences
- with Borosilikat sightglass
- with heating jacket



temperature range up to 280°C

Tubular sightglass with smooth full bore

Type ZIRKULAR-A (with FEP / PFA Lining)

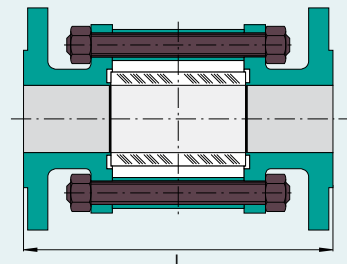


- DN 15-150 PN 10-25
- body made of GGG40.3
- with FEP / PFA Lining (3mm min.)
- smooth full bore
- with Borosilikat tubular sightglass



temperature range up to 130°C

Type ZIRKULAR (in stainless steel or special material)



- DN 15-150 PN 10-25
- body made of stainless steel (1.4408)
- special material on request
- smooth full bore
- with Borosilikat tubular sightglass



temperature range up to 180°C

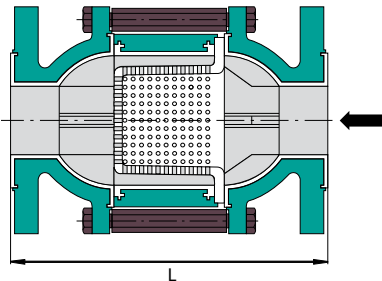
Order Example: F2-50-OCULAR Extra-PN10

F = flange, 2 = two-way, 50 = nominal size, OCULAR Extra = Typ OCULAR Extra, PN10 = nominal pressure

Special valves

Strainers with PFA / FEP Lining

Type BASKET



- exchangeable filter basket
- low pressure drops
- flow area corresponds to size of nominal bore
- filter basket made of PFA / FEP separately available
- 3 mm mesh width
- other mesh width on request
- with Borosilikat tubular sightglass on request

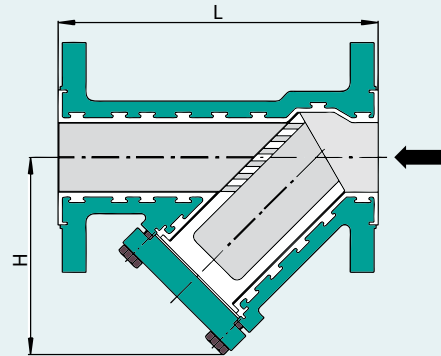


temperature range up to 150°C

Order Example: F2-80-BASKET-PN10

F = flange, 2 = two-way, 80 = nominal size, BASKET = type BASKET, PN10 = nominal pressure

Type DELTA-SF



- easy and quick exchange of strainer
- filter basket made of PFA / FEP separately available
- 3 mm mesh width
- other mesh width on request
- with Borsilikat sightglass on request



temperature range up to 150°C

Order Example: F2-50-DELTA-SF-PN10

F = flange, 2 = two-way, 50 = nominal size, DELTA-SF = Typ DELTA-SF, PN10 = nominal pressure

	DELTA SG and SF				MRV		GLOBUS		GLOBUS-SG			OCULAR		ZIRKULAR			BASKET	
	DN	PN	L	H	PN	L	PN	LG	PN	$P_{max}^{1)}$	L	PN	L	PN	$P_{max}^{1)}$	L	PN	L
DIN 3202/EN 568-1	15	10-40	130	100	10-40	130	10-40	115	16	15,8	130	10-40	130	16	15,8	150	10-40	130
	20	10-40	150	100	10-40	150	10-40	120	16	13,5	150	10-40	150	16	13,5	150	10-40	150
	25	10-40	160	10	10-40	160	10-40	125	16	11,2	160	10-40	160	16	11,2	160	10-40	160
	32	10-40	180	2)	10-40	180	10-40	130	16	8,7	180	10-40	180	16	8,7	180	10-40	180
	40	10-40	200	120	10-40	200	10-40	140	16	11,9	200	10-40	200	16	11,9	200	10-40	200
	50	10-40	230	160	10-40	230	10-40	150	10	9,0	230	10-40	230	10	9,0	230	10-40	230
	65	10-40	290	2)	10-40	290	10-40	170	10	7,7	290	10-40	290	10	7,7	290	10-40	290
	80	10-40	310	185	10-40	310	10-40	180	10	6,2	310	10-40	310	10	6,2	310	10-40	310
	100	10/16 25/40	350	220	10/16 25/40	350	10/16 25/40	190	10	3,8	350	10/16 25/40	350	10	4,8	350	10/16 25/40	350
	150	10/16 25/40	350	380	10/16 25/40	350	10/16 25/40	267	10	2)	350	10/16 25/40	480	10	4,8	350	10/16 25/40	350
200	2)	2)	2)	2)	2)	10/16/25	292	10	2)	400	10/16 25/40	600	2)	2)	2)	10/16/25	400	
250	2)	2)	2)	2)	2)	10/16/25	330	10	2)	450	10/16 25/40	730	2)	2)	2)	10/16/25	450	
ANSI	1"	150	127	100	150	127	150	125	150	11,2	160	150	127	150	11,2	160	150	160
	1 1/2"	150	2)	2)	150	165	150	2)	150	2)	2)	150	165	150	11,9	200	150	2)
	2"	150	178	150	150	178	150	150	150	9,0	230	150	178	150	9,0	230	150	230
	3"	150	203	200	150	203	150	180	150	6,2	310	150	203	150	6,2	310	150	310
	4"	150	229	230	150	229	150	190	150	4,8	350	150	229	150	4,8	350	150	350

1) Higher pressure load on request
2) On request

Other DN, PN, e.g. ANSI300 and JIS as well as other materials on request.



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