

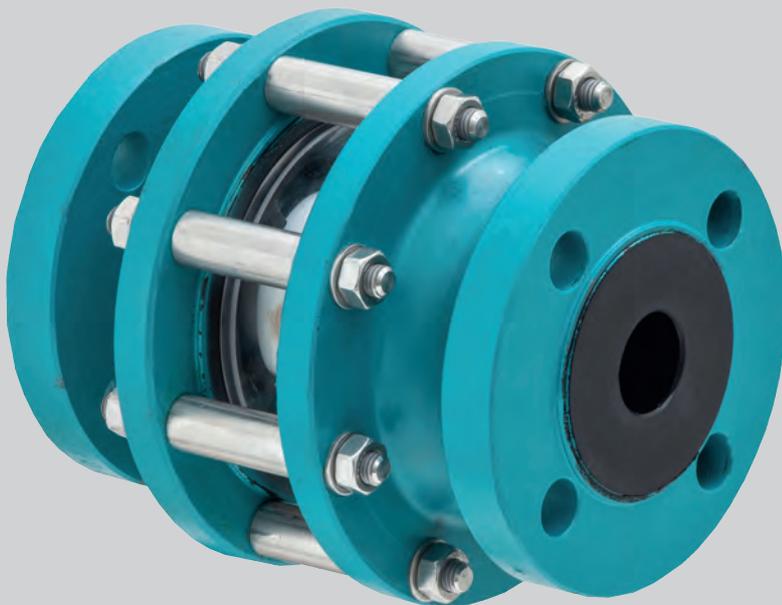
Type DELTA & Type GLOBUS

Ball check valve with lining



Type DELTA-SG

with sightglass
(lining: PFA)



Type GLOBUS-SG

with sightglass
(lining: conductive PFA)

- robust, tight execution
- high corrosion resistance
- minimum 3 mm PFA / FEP lining

DN 15 - 250 / PN 10 - 40

NPS ½ - 4 / Class 150

Design characteristics

- resistant to chemicals
- vacuum-capable
- standard design with solid ball

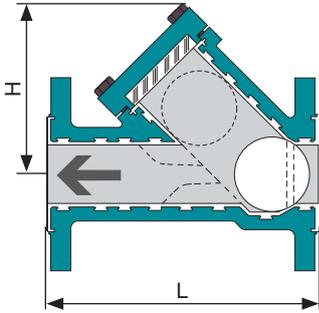
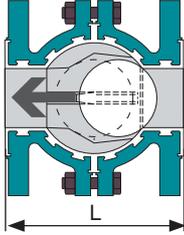
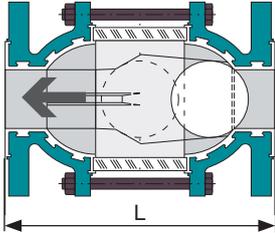
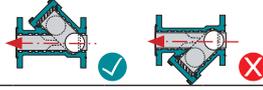
Options

- sightglass (borosilicate) for visual function control
- heating jacket (DELTA)
- with hollow ball which allows the valve to function as an air relief valve in vertical pipeline 90°
- body in special materials
- other lining materials

Body	Materials		Ball
	Lining	T _{max} [C°]	
Ductile Iron	PFA	210	PTFE
	FEP	150	
	PFA conductive	125	

Type DELTA & Type GLOBUS

Technical information

Type DELTA (without sightglass) Type DELTA-SG (with sightglass)					Type GLOBUS (without sightglass)				Type GLOBUS-SG (with sightglass)					
														
DIN EN 558	DN	PN**	L [mm]	H [mm]	DIN EN 558	DN	PN**	L [mm]	DIN EN 558	DN	PN**	p _{max} ** [bar]	L [mm]	
	15	10-40	130	100		15	10-40	115		15	16	15,8	130	
	20	10-40	150	100		20	10-40	120		20	16	13,5	150	
	25	10-40	160	100		25	10-40	125		25	16	11,2	160	
	32	10-40	180	*		32	10-40	130		32	16	8,7	180	
	40	10-40	200	120		40	10-40	140		40	16	11,9	200	
	50	10-40	230	160		50	10-40	150		50	10	9,0	230	
	65	10-40	290	*		65	10-40	170		65	10	7,7	290	
	80	10-40	310	185		80	10-40	180		80	10	6,2	310	
100	10-40	350	220	100	10-40	190	100	10	3,8	350				
150	10-40	350	380	150	10-40	267	150	10	*	350				
200	10-40	350	380	200	10-25	292	200	10	*	400				
250	10-40	350	380	250	10-25	330	250	10	*	450				
ASME B16.5	NPS	Class**	L [mm]	H	ASME B16.5	NPS	Class**	L [mm]	ASME B16.5	NPS	Class**	p _{max} ** [bar]	L [mm]	
	1"	150	127	100		1"	150	125		1"	150	11,2	160	
	1½"	150	*	*		1½"	150	*		1½"	150	*	*	
	2"	150	178	150		2"	150	150		2"	150	9,0	230	
	3"	150	203	200		3"	150	180		3"	150	6,2	310	
4"	150	229	230	4"	150	190	4"	150	4,8	350				
Installation instruction	Ball riser must point upwards when valve is installed horizontally. When installed in vertical position, the riser must point diagonally upwards.				Condition	<ul style="list-style-type: none"> The pipe diameter must not be reduced after the check valve (in flow direction). For vertical installation, the check valve type DELTA is recommended Automatically closing in vertical or almost vertical (60° - 90°) installation. When installed horizontally (0°) resp. (up to 30°) the valve closes automatically if the backflow velocity is 1,5 m/sec. (basis = water). 								
	0°					0°								
	30°					30°								
	60°					60°								
	90°					90°								

*) on request

***) higher pressure load on request

***) type DELTA recommended

✓ possible installation

✗ installation not possible

○ installation position to function as an air relief valve with hollow ball