Type OCULAR & Type ZIRKULAR

Sightglass and tubular sightglass

- **good visual control**
- **high corrosion resistance**

DN 15 - 250 / PN 10 - 25
NPS ½ - 4 / Class 150 - 300



Type OCULAR
with entry nozzle for turbulences

Design characteristics

- T_{max} 220°C / 280°C (OCULAR)
  T_{max} 180°C (ZIRKULAR)

Options (OCULAR)

- heating jacket
- connection for sightglass flushing
- glass-to-metal fused sightglass acc. to DIN 7079
- body in special materials

Materials	
Body	**Sightglass**
1.4408 / CF8M	borosilicate

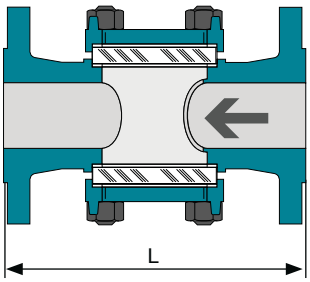


Type ZIRKULAR
with smooth full bore design

Type OCULAR & Type ZIRKULAR
Technical information

Type **OCULAR**

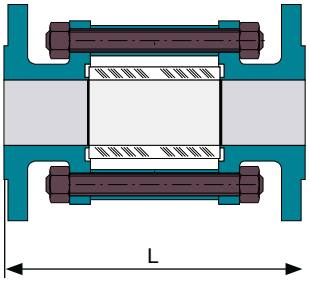
T_{max} 280°C



	DN	PN***	Standard p_{max} [bar]**	High Pressure p_{max} [bar]**	L [mm]
DIN 11869, DIN EN 558	15	10-40	40	40	130
	20	10-40	*	*	150
	25	10-40	25	40	160
	32	10-40	*	*	180
	40	10-40	16	40	200
	50	10-40	16	40	230
	65	10-40	*	*	290
	80	10-40	16	40	310
	100	10-40	16	25	350
	150	10-40	16	-	480
	200	10-40	*	*	600
	250	10-40	*	*	730
	NPS	**Class*** **	**Standard p_{max} [bar]****	**High Pressure p_{max} [bar]****	**L [mm]**
ASME B16.10	1	150 / 300	25	40	160
	1½	150 / 300	16	40	200
	2	150 / 300	16	40	230
	3	150 / 300	16	40	310
	4	150 / 300	16	25	350
	6	150 / 300	16	-	480
	8	150 / 300	*	*	600
	10	150 / 300	*	*	730

Type **ZIRKULAR**

T_{max} 180°C



	DN	PN***	Standard p_{max} [bar]**	L [mm]
DIN 11869, DIN EN 558	15	16	15,8	130
	20	16	13,5	150
	25	16	11,2	160
	32	16	8,7	180
	40	16	11,9	200
	50	10	9,0	230
	65	10	7,7	290
	80	10	6,2	310
	100	10	4,8	350
	150	10	4,8	350
	200	10	*	*
	250	10	*	*
	NPS	**Class*** **	**Standard p_{max} [bar]****	**L [mm]**
ASME B16.10	1	150 / 300	11,2	160
	1½	150 / 300	11,9	200
	2	150 / 300	9,0	230
	3	150 / 300	6,2	310
	4	150 / 300	4,8	350
	6	150 / 300	*	*
	8	150 / 300	*	*
	10	150 / 300	*	*

*) on request

**) maximal pressure for standard design / high pressure design

***) higher pressure load on request