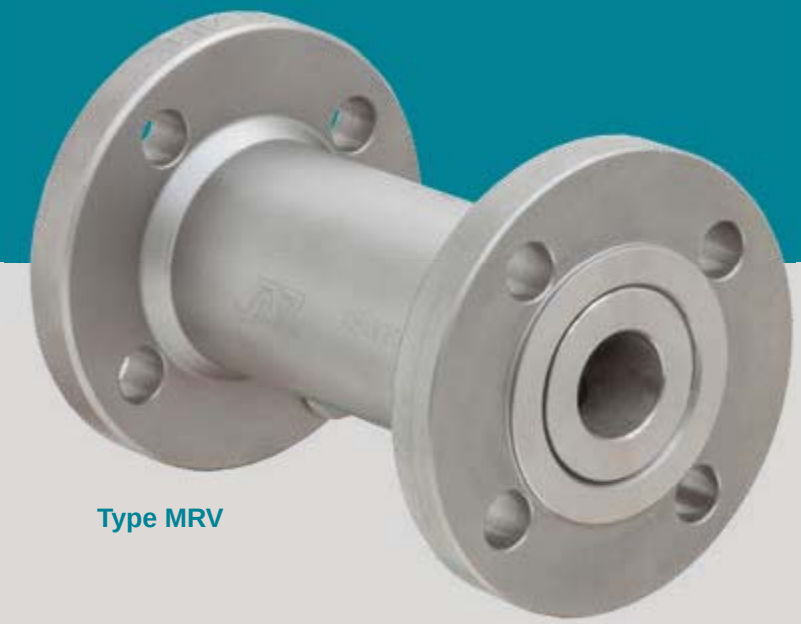
Type MRV
Ball check valve

- **solid design**
- **reliably tight**

DN 15 - 250 / PN 10 - 40
NPS ½ - 10 / Class 150



Type MRV

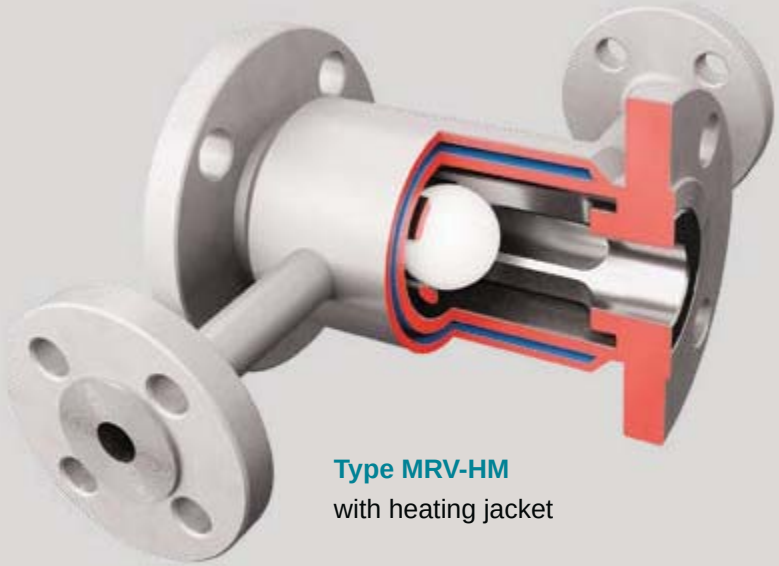
Design characteristics

- metal design
- T_{max} 180°C
- body material stainless steel, others on request
- standard design with solid ball

Options

- heating jacket
- with hollow ball which allows the valve to function as an air relief valve in vertical pipeline 90°
- body in special materials

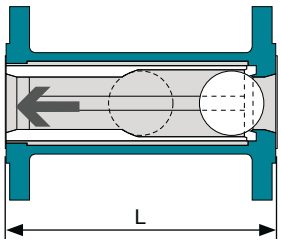
Materials	
Body	**Ball**
1.4571 / AISI 316Ti	PTFE



Type MRV-HM
with heating jacket

Type MRV
Technical information

Type MRV



DIN EN 558

DN	PN**	p_{max} [bar]**	L [mm]
15	10-40	25	130
20	10-40	25	150
25	10-40	25	160
32	10-40	25	180
40	10-40	25	200
50	10-40	25	230
65	10-40	16	290
80	10-40	16	310
100	10-40	16	350
150	10-40	16	350
200	10-40	16	*
250	10-40	16	*

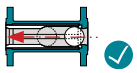
ASME B16.5

NPS	Class**	p_{max} [bar]**	L [mm]
1	150	25	160
1½	150	25	200
2	150	25	230
3	150	16	310
4	150	16	350
6	150	16	350
8	150	16	*
10	150	16	*

Installation instruction

- The pipe diameter must not be reduced after the check valve (in flow direction).
- 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 - 2,5 m/sec. (basis = water).

0°



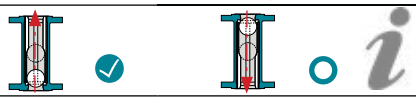
30°



60°



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