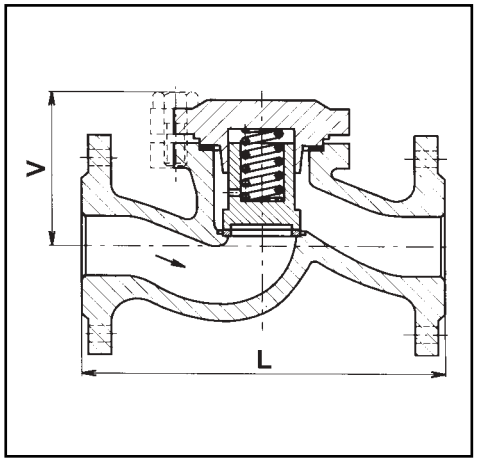
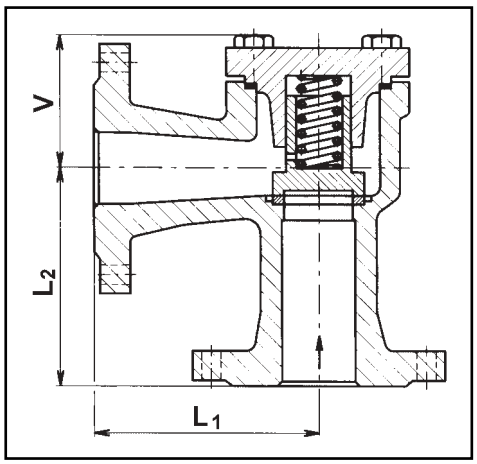
CHECK VALVE



Z16 117 616



Z16 217 616

APPLICATION

The valve can be used as a self-acting back closure. At the valve with regard to its function it cannot be guaranteed a tightness as at a classical check valve and therefore it is necessary in the case of a tightness requirement to incorporate the shut-off valve into the piping. The valve can be used according to valid standards and regulations for given parameters. As the working substance there can be water, water steam, air, non-aggressive liquids and gases.Application:

- Water system
- Water, vapour or steam, air and gas distributions
- Air conditioning

TYPES / DN / PN / TEMPERATURES / EXECUTIONS

Z16 117 616 DN 15÷200 PN 16 0 °C to 300 °C
Z16 217 616 DN 15÷200 PN 16 0 °C to 300 °C
The valves are produced in the ST execution.

FUNCTION

The valve is controlled automatically by the working substance pressure on the cone that prevents by its motion a back flow and shocks of the working substance. In the cone there is a spring which considerably contributes to a reliable function of the valve and to a shock damping. A direction of the flow is always below the cone.

ADMISSIBLE PRESSURES AND TEMPERATURES

DN	**Temperature** [°C] **The highest working overpressure** [bar]						
	120	**150**	**180**	**200**	**230**	**250**	**300**
15÷200	16	14,4	13,4	12,8	11,8	11,2	9,6

MATERIAL AND CONNECTION

Valve body, cover (lid)	GG25
Body seat	ROLLED STAINLESS SEAT
Cone	DN15÷50 STAINLESS DN65÷200 CARBON STEEL
Cone seat	DN15÷50 CONE BASIC MATERIAL DN65÷200 STAINLESS OVERLAY
Packing	ASBESTOS-FREE
Connection	ČSN
Building lengths	According to the EN 558-1

Note: The dimensions of the connecting flanges see pages 114, 115

DIMENSION TABLE

	PN	**16**											
	DN	**15**	**20**	**25**	**32**	**40**	**50**	**65**	**80**	**100**	**125**	**150**	**200**
	L [mm]	130	150	160	180	200	230	290	310	350	400	480	600
	L_1, L_2 [mm]	65	75	80	90	100	115	145	155	175	200	240	300
V [mm]	**Z16 117 616**	75	75	75	80	85	95	120	130	155	180	200	260
	Z16 217 616	65	70	75	90	100	110	130	140	170	210	235	280
m [kg]	**Z16 117 616**	2,2	3,0	3,6	5,0	7,5	9,5	16	20	31	48	67	152
	Z16 217 616	2,2	2,8	3,6	5,0	7,5	9,5	16	20	31	46	62	125
	Loss factor	4,85	6,7	7,1	7,3	5,75	5,6	7,2	5,8	5,6	6,1	6,45	5,9