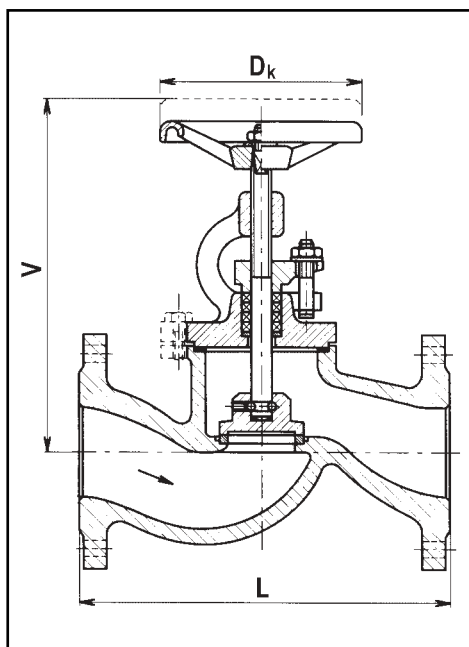


GLOBE VALVE



V30 111 616, V40 111 616

APPLICATION

A closing or discharging organ for liquid and gaseous media. The working substance can be water, sea water (V30 111 616.02), water steam, air and non-aggressive liquids and gases. The valve is as a regulating organ in basic executions unsuitable, in the execution with a regulating cone is specified for a flow control.

Application:

- water and heating systems
- heat distributions
- air conditioning

TYPES / DN / PN TEMPERATURES / EXECUTION

V30 111 616	DN 15÷200	PN 16	0 °C to 300 °C
V30 111 616.02	DN 15÷200	PN 16	0 °C to 42 °C
V30 211 616	DN 15÷200	PN 16	0 °C to 300 °C
V40 111 616	DN 15÷150	PN 16	0 °C to 300 °C

The valve is produced in the ST execution.

MATERIAL AND CONNECTION

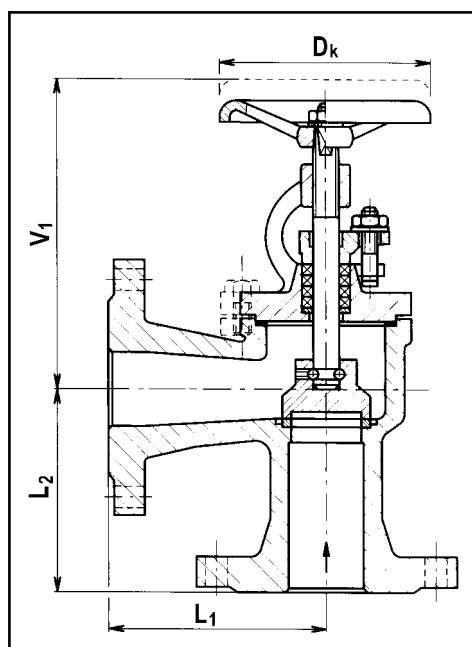
	V30 111 616 V30 211 616	V40 111 616	V30 111 616.02
Body, yoke	GG25		
Body seat	ROLLED STAINLESS SEAT		AL BRONZE
Cone	DN15+100 STAINLESS DN125+200 CARBON STEEL		AL BRONZE
Cone seat	DN15+100 CONE BASIC MATERIAL DN125+200 STAINLESS OVERLAY		CONE BASIC MATERIAL
Spindle	STAINLESS		AL BRONZE
Packing	ASBESTOS-FREE		
Connection	DIN		
Building lengths	According to the EN 558-1		

Note: The connecting flange dimensions see pages 114, 115.

DIMENSION TABLE

PN		16											
DN		15	20	25	32	40	50	65	80	100	125	150	200
D _k [mm]		125	125	125	125	160	160	200	200	250	250	315	400
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]		210	210	210	210	245	255	310	325	385	435	475	620
V ₁ [mm]		170	190	200	250	275	275	345	355	415	495	545	685
m [kg]	V30 111 616	3,2	4,2	4,8	6,2	9,0	11,5	19,1	22,6	36,8	53,2	78	140
	V30 211 616	3,2	-	4,4	-	9,2	10,2	16,2	21	33,5	50	76	133
	V30 111 616.02	4,0	4,4	4,8	7,5	9,4	12,2	18,5	24	36	51	76	145
	V40 111 616	4,4	4,8	5,2	8,5	10,2	12,3	20,6	24,6	41	57	84	-
Loss coefficient	V30	4,15	6,0	6,3	6,7	5,2	5,0	6,4	4,36	4,1	5,2	5,2	5,0
	V40	4,6	6,4	6,8	7,2	5,6	5,7	6,0	5,1	4,9	5,9	6,1	-

GLOBE VALVE



V30 211 616

ADMISSIBLE PRESSURES AND TEMPERATURES

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

FUNCTION

V30 111 616, V30 211 616, V30 111 616.02

A spindle is of rotating and rising type. A cone performs the function of a valve closure. An opening of the valve has to be performed slowly, with a gradual stopping on the lift, for the limitation of hydraulic and thermal impacts in the valve and in this way in the whole equipment. An internal bypass at the DN200 serves for forming of the pressure gradient before and behind the valve in order that the valve can fully open.

V40 111 616

The spindle is of rotating and rising type, the cone is the regulating cone. The valve is not the closing valve fittings, the closing valve is arranged as a rule before this valve if there is required a full tightness of the equipment. The flow surface in a seat at a full opening of the valve is about 60% of an entry throat surface.