



Low Flow Valves

Series 030000 Globe Valves

Description

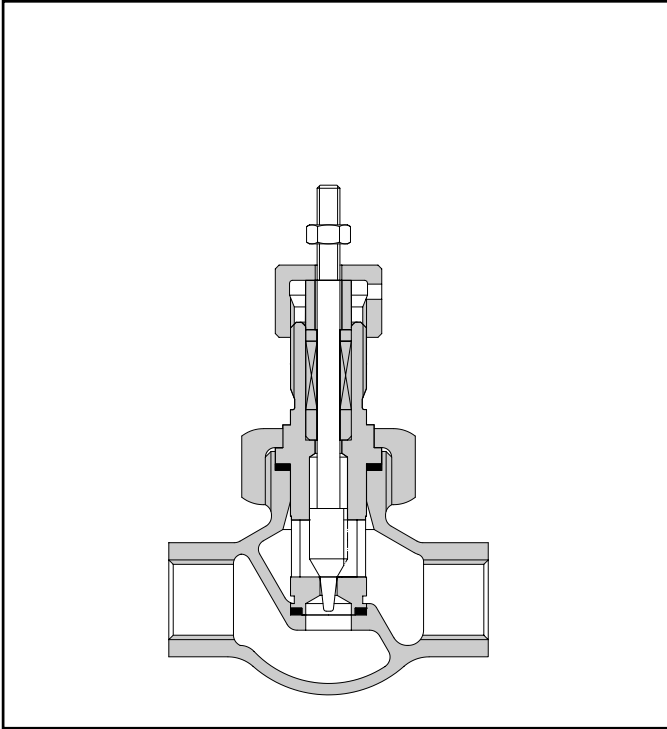
Kammer series 030000 low flow valves are designed for precision controlling up to PN40. The body is a precision casting for high finishing accuracy. Together with the series 1 actuator it forms a compact control valve.

On request a special calculating programme is available to define the K_{vs} -values and the actual rangeability.

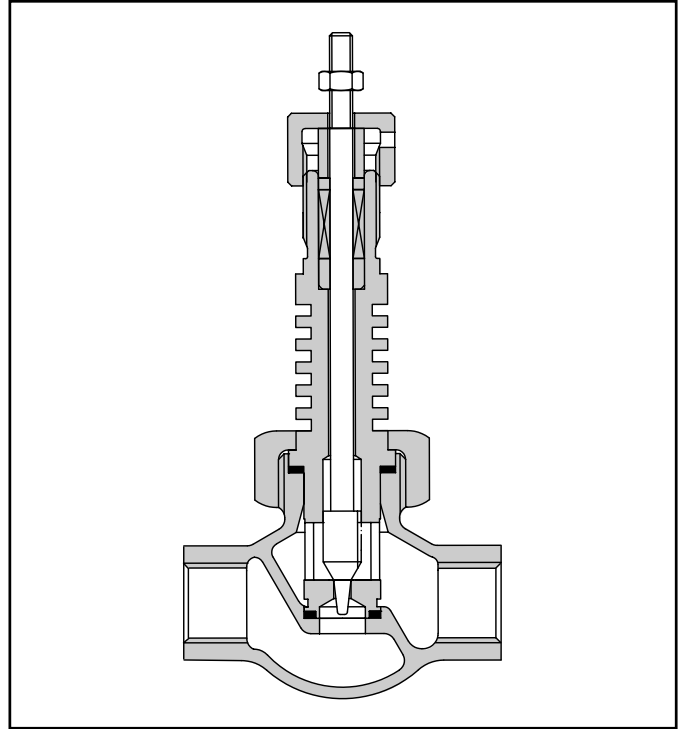


Technical Data

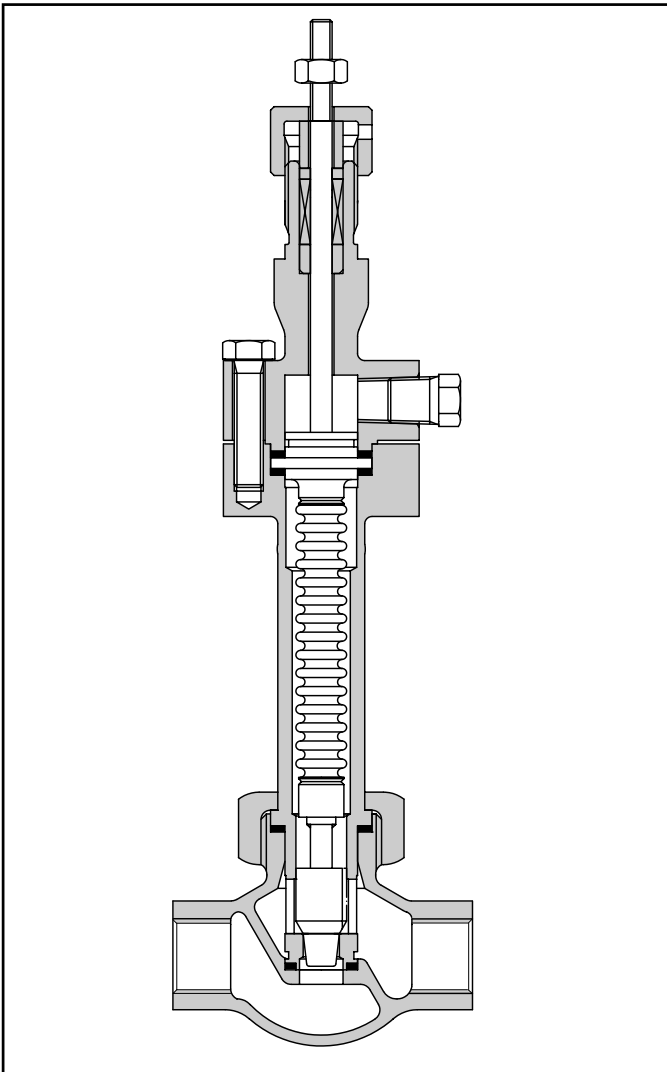
Valve body style	Globe valve
Characteristics	Equal%, Linear
Seat leakage, standard	≤ 0.01 of rated K_{vs} -value
Material for plug / seat ring	See table on page 3
Packing	PTFE for temperatures up to 200 °C Grafoil for temperatures over 200 °C PTFE packing for oxygen service Packing according to German clean air act
PTFE soft seat (T max. 150° C)	In the seat ring $K_{vs} \geq 0.1$
Body gasket	PTFE for temperatures up to 200 °C Grafoil for temperatures over 200 °C
Extensions	Standard, normalizing fins, bellows seal
K_{vs}-values	See table on page 3
Connections	Female thread G 1/2" or NPT 1/2" Optional: As compact valve with serie 1 actuator DIN flanges, ANSI flanges for special applications
Valve body	CF8M



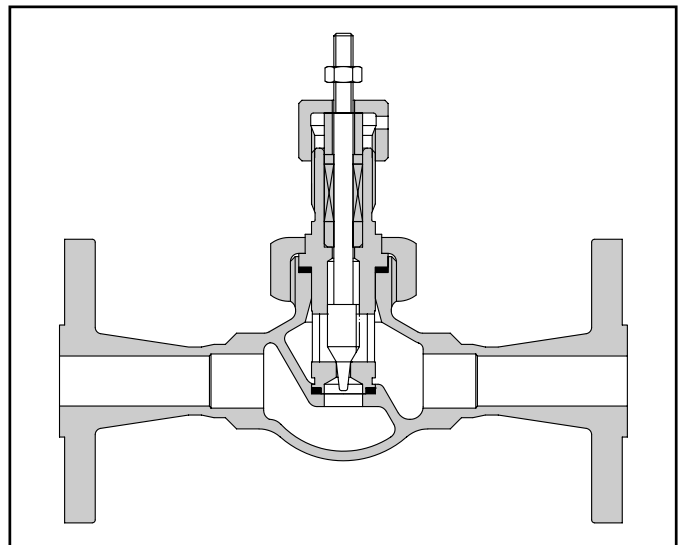
Standard valve with female thread



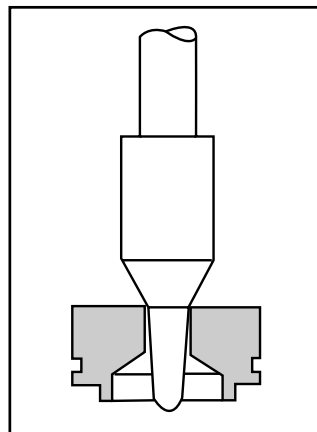
Valve with normalizing fins -30 to 0 °C resp. 250 to 400 °C



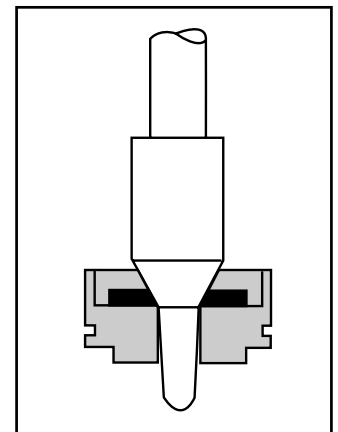
Valve with bellows seal



Special body design with weld-on flanges



Standard trim



Trim with PTFE soft seat
(T max. 150° C)

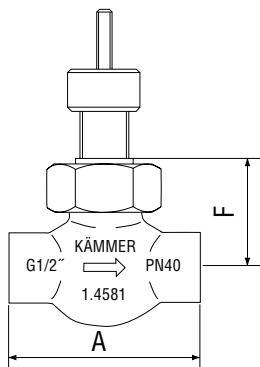


Standard K_{vs} -Values

K_{vs} -value *	Reynolds Factor K_{ammer} (Fr)	Stroke	Stem diameter (mm)	Seat diameter (mm)	Rangeability**	Standard plug material	Standard seat material	Characteristics lin	Characteristics equal%	Alternative material for seat/plug	
										Hastelloy C	Monel; Titanium; Stellite
0.001	0.520	10	6	2	25:1	Stellite	1.4122		X	X	
0.0016	0.628	10	6	2	25:1	Stellite	1.4122		X	X	
0.0025	0.751	10	6	2	25:1	Stellite	1.4122		X	X	
0.004	0.871	10	6	2	25:1	Stellite	1.4122		X	X	
0.0063	0.931	10	6	2	25:1	Stellite	1.4122		X	X	
0.01	0.940	10	6	3	50:1	Stellite	1.4571	X	X	X	X
0.016	0.968	10	6	3	50:1	Stellite	1.4571	X	X	X	X
0.025	0.983	10	6	3	50:1	Stellite	1.4571	X	X	X	X
0.04	0.990	10	6	3	50:1	Stellite	1.4571	X	X	X	X
0.063	1.000	10	6	3	50:1	Stellite	1.4571	X	X	X	X
0.1	1.000	10	6	3	50:1	1.4571	1.4571	X	X	X	X
0.16	1.000	10	6	3	50:1	1.4571	1.4571	X	X	X	X
0.25	1.000	10	6	3	50:1	1.4571	1.4571	X	X	X	X
0.4	1.000	10	6	4.5	50:1	1.4571	1.4571	X	X	X	X
0.63	1.000	10	6	4.5	50:1	1.4571	1.4571	X	X	X	X
1.0	1.000	10	6	7	50:1	1.4571	1.4571	X	X	X	X
1.6	1.000	10	6	7	50:1	1.4571	1.4571	X	X	X	X
2.5	1.000	10	6	10	50:1	1.4571	1.4571	X	X	X	X

* $K_{vs} \leq 0.25 = K_v \times F_r$ acc. to IEC 534 ** For calibration conditions

Dimensions [mm] and Weights (kg)



Connection	Length A	Height F			Weight		
		Standard	Fin	Bellows	Standard	Fin	Bellows
Fem. thread	80	45	85	130	0,7	1,2	2,2
DN 10	130	45	85	130	2,0	2,5	3,5
DN 15	130	45	85	130	2,2	2,7	3,7
DN 20	150	45	85	130	2,4	3,0	4,1
DN 25	160	45	85	130	3,3	3,5	4,8
1/2"	178	45	85	130	2,2	2,7	3,7
3/4"	181	45	85	130	2,4	3,0	4,1
1"	184	45	85	130	3,3	3,5	4,8

Valve Code

0 3 0 0 P 2

Valve type		
030	Globe valve	Series 030 000

Bonnet extension	
0	Standard
1	Normalizing fins
3	Bellows seal

Actuator	
H1	Manual handwheel
37	Pneumatic actuator with integral positioner
P0/P1	Pneumatic actuator Series 1 and 2
P2	
E1	Electric actuator