FLOWSERVE

Kämmer® Series 080000

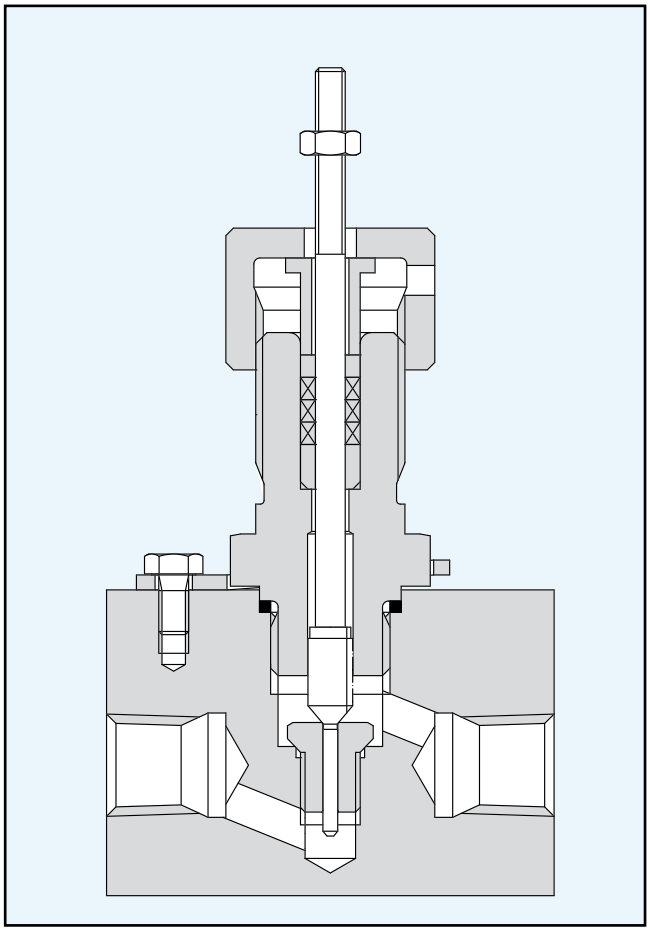
Low Flow Valve

Experience In Motion

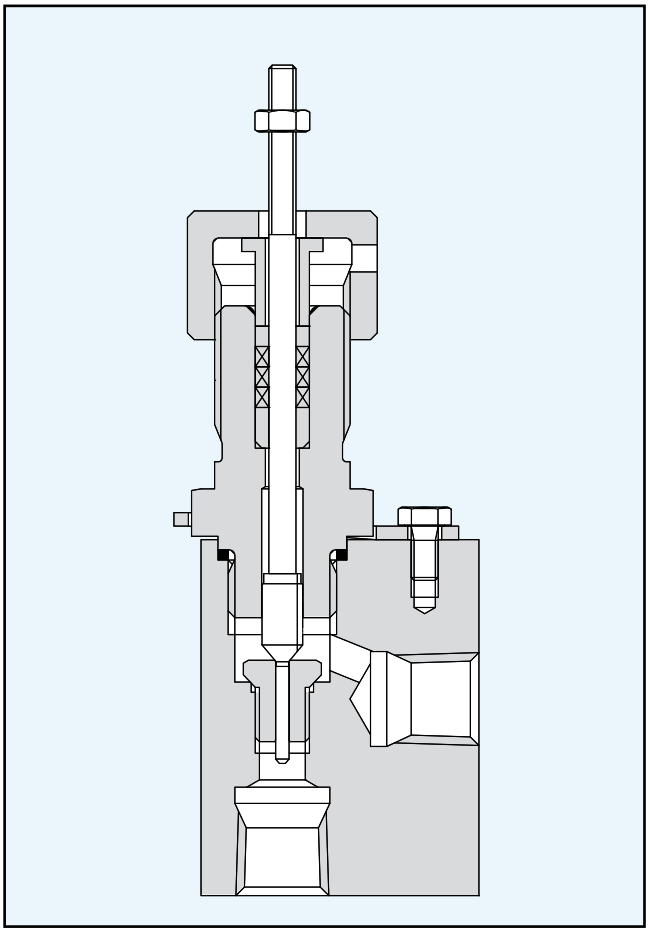
Kammer Series 080000

Description

Kammer series 080000/081000 low flow laboratory valves are designed for precision controlling. The body is manufactured from bar stock stainless steel and is easily adapted to meet application requirements. Together with the series 1 actuator it forms an extremely compact control valve.
On request a special calculating programme is available to define the C_{vs}-values and the actual rangeability.



Globe valve



Angle valve

Kammer Series 080000

Technical Data

Valve body style	Globe valve, angle valve
Characteristics	Equal%, Linear, On-Off
Seat leakage	≤ 0.01% of rated C_{vs} (ANSI Class IV).
Valve plug and Seat ring	See table page 6
Packing	PTFE for temperatures up to 200 °C (392 °F) Grafoil for temperatures above 200 °C (392 °F) PTFE packing for oxygen service Packing according to German clean air act
Body gasket	316 stainless steel or as body material
Extensions	Standard, normalizing fins, bellows seal
C_{vs}-values	See table page 6
Connections	G ¼˝ or NPT ¼˝ internal thread. Other connections on request.
Valve body	316 stainless steel, Hastelloy B/C, Nickel, Monel, Titanium optional.

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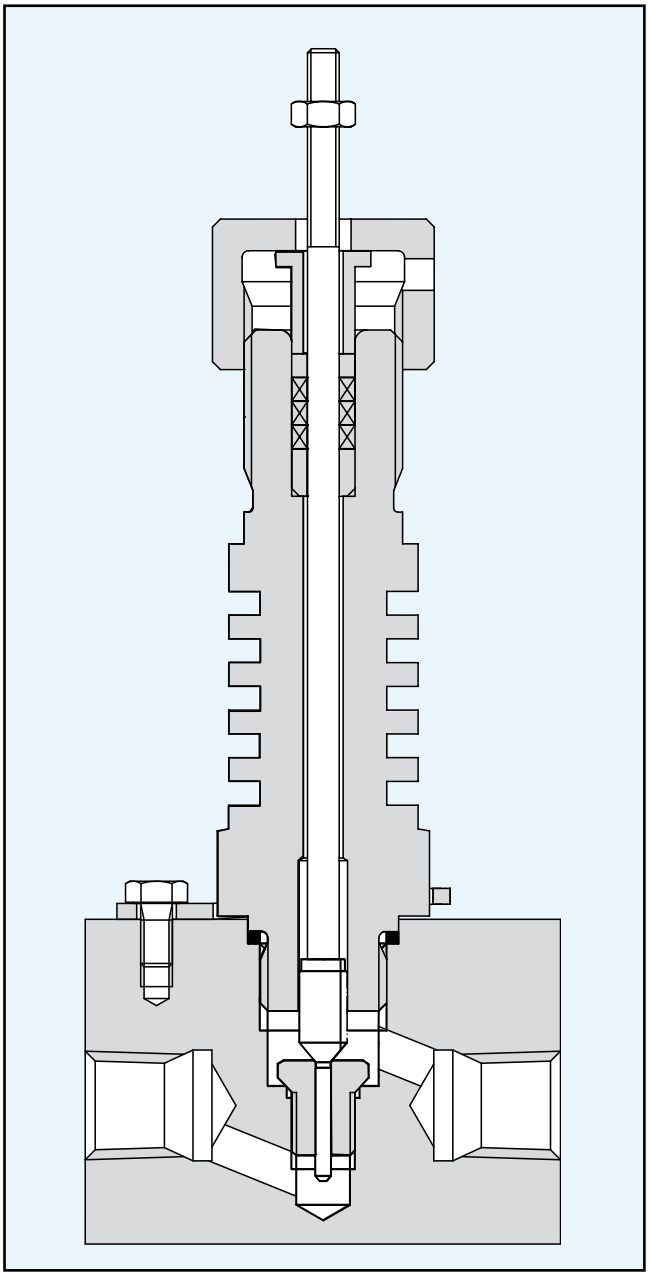
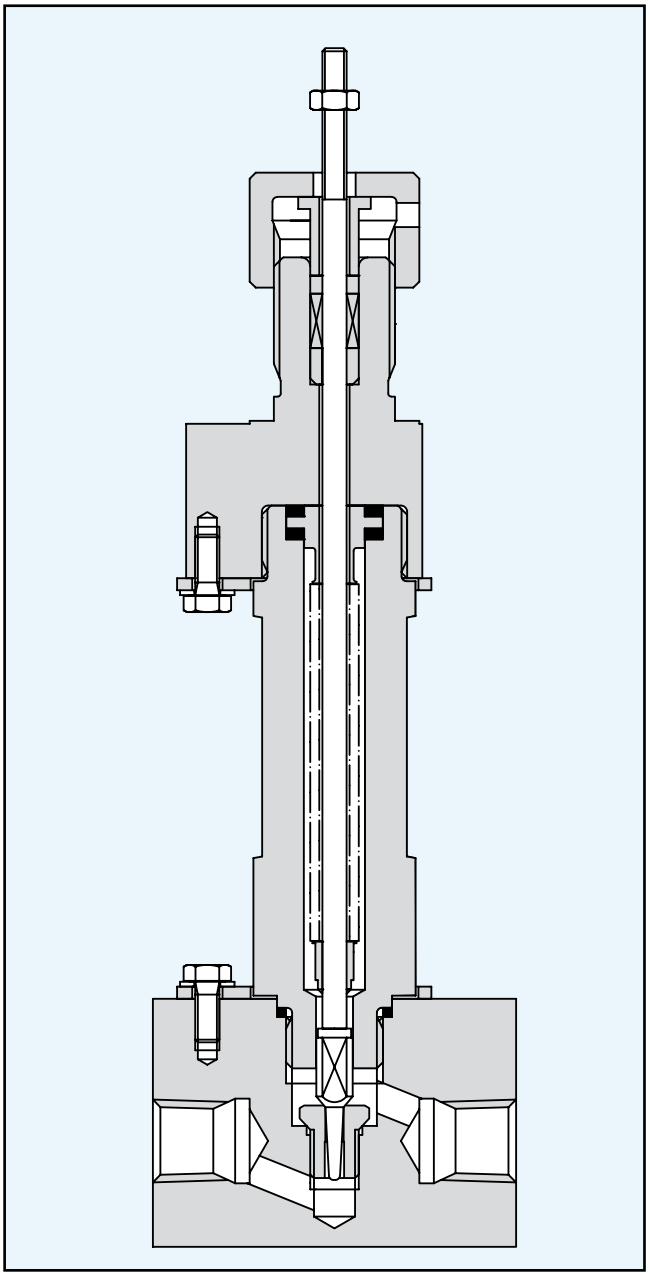
Designs



Valve with normalising fins



Valve with bellows seal

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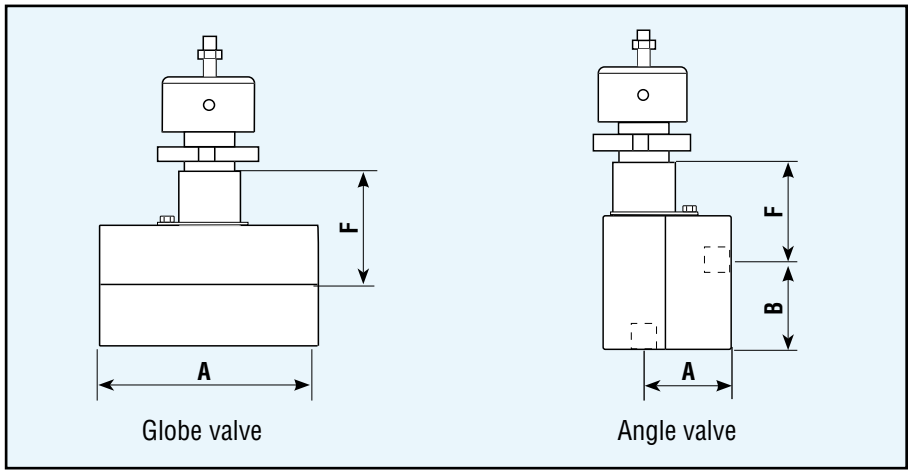
Dimensions mm (in.) and Weights kg (lb.)



Globe valve Length Internal thread	Angle valve Length Internal thread		Dimension F			Weight		
			Standard	Fins	Bellows	Standard	Fins	Bellows
A	A	B						
60 (2.4)	29 (1.1)	29 (1.1)	30 (1.2)	70 (2.6)	120 (4.7)	0.7 (1.5)	0.8 (1.8)	1.0 (2.2)

Valve Code

0	8	0	0	P	0

Valve type		
		Series
080	Globe valve	080 000
081	Angle valve	081 000

Bonnet extension	
0	Standard
1	Normalising fins
3	Bellows seal

Actuator	
H1	Manual handwheel
37	Pneumatic with integral positioner
P0 P1	Pneumatic, Series 1
E2	Electric motor

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Standard C_{vs} Values

C_{vs} Value (turbulent)	Stroke mm (in.)	Stem diameter mm (in.)	Seat diameter mm (in.)	Rangeability*	Standard plug material	Standard seat material	Characteristic Linear	Characteristic equal%	Alternative materials for seat/plug	
									Tungsten carbide; Hastelloy C	Nickel; Monel; Titanium; Alloy 6
0.00063	10 (0.39)	4 (0.16)	2 (0.08)	25:1	Alloy 6	1.4122		X		
0.00079								X		
0.00098								X		
0.00012								X		
0.00015								X		
0.00019	10 (0.39)	4 (0.16)	2 (0.08)	25:1	Alloy 6	1.4122		X		
0.00023								X		
0.00029								X		
0.00036								X		
0.00045								X		
0.00056	10 (0.39)	4 (0.16)	2 (0.08)	25:1	Alloy 6	1.4122		X	X	
0.00075								X	X	
0.00098								X	X	
0.0013								X	X	
0.0017								X	X	
0.0022	10 (0.39)	4 (0.16)	2 (0.08)	25:1	Alloy 6	1.4122		X	X	
0.0029								X	X	
0.0038								X	X	
0.0054								X	X	
0.0079								X	X	
0.013	10 (0.39)	4 (0.16)	3 (0.12)	50:1	Alloy 6	316	X	X	X	X
0.020							X	X	X	X
0.029							X	X	X	X
0.047							X	X	X	X
0.074							X	X	X	X
0.12	10 (0.39)	4 (0.16)	3 (0.12)	50:1	316	316	X	X	X	X
0.19							X	X	X	X
0.29							X	X	X	X

* For calibration conditions

Other Kämmer Low Flow Valves

Kammer micro-flow series 030000

Kämmer series 030000 ½" 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.
Upon request a special calculating programme is available to define the K_{vs}-values and the actual rangeability.

Kammer Laboratory valves series 185000/187000

Kämmer microflow series 185000 and 187000 are ½" laboratory valves designed for precision controlling. The bodies in stainless steel and C-steel are manufactured from forged material, the bodies for all other special materials are manufactured from bar stock. The bodies are, therefore, easy to adapt for application requirements. Together with the series 1 or 2 actuators they form a compact control valve.
Upon request a special calculating programme is available to define the K_{vs} values and the actual rangeability.

Your contact:

Votre contact exclusif en France et Suisse:

Serv'Instrumentation
Z.I Broteau Nord
69540 Irigny - France
Tél : +33 (0)4 78 51 47 50
Fax : +33 (0)4 78 51 59 96
Email : e-serv@servinstrumentation.fr
Web : www.servinstrumentation.fr

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