

Body: two way form, for water and steam
Pressure range: PN16, PN25, PN40
Immersion length acc. to DIN EN 558, basic series 1
Flanges acc. to DIN EN 1092-1/2 type 21
Spindle sealing: spring-loaded PTFE-V-ring unit
for media temperatures up to 250°C
Alternatively: graphite-packing
for media temperatures up to 450°C
Internal parts: stainless steel, replaceable seat rings
Flow characteristic: equal percentage (partially modified)
Positioning ratio: 30:1 (up to 50:1)
Leakage: < 0,01% Kvs

Actuator: with manual emergency operation
and load dependent limit switches
Thrust: 2000 N
Power input: 12 VA
Alternatively: 4000 N / 28 VA (appendix ...c)
5500 N / 28 VA (appendix ...d)
Power supply: 230V/50...60Hz
Optionally: 115V/50...60Hz, 24V/50...60Hz, 24VDC
Motor rating standard acc. to DIN EN 60034-1: S1 – 100%
Protection class acc. to DIN EN 60529: IP65

Accessories, special types:
Add. limit switches load dependent (see page 49e)
Add. signal switches travel dependent (see page 49w)
Feedback potentiometer (see page 49f)
Integrated positioner for max. 40mm stroke (see page 49sr)
Integrated process controller (see page 49r)
Feedback signal 4-20mA / 0-10V
Actuator heater (on request)
Other positioning speed (on request)
Other reduced Kvs- values (on request)
Soft sealing for max. 200°C (on request)
Perforated plug (on request)
Weld-on ends (on request)
Flange drillings acc. to ANSI / JIS (on request)

Order text:

Motor control valve in two way form
Material . . . , PN . . . , DN . . . , Kvs . . .
Spindle sealing with PTFE-V-ring unit
Power supply . . . , closing pressure . . . bar
List-No.: PN16: 421 4 . . . , PN25: 421 5 . . . , PN40: 421 7 . . . , PN40: 421 E . .
Accessories: . . .

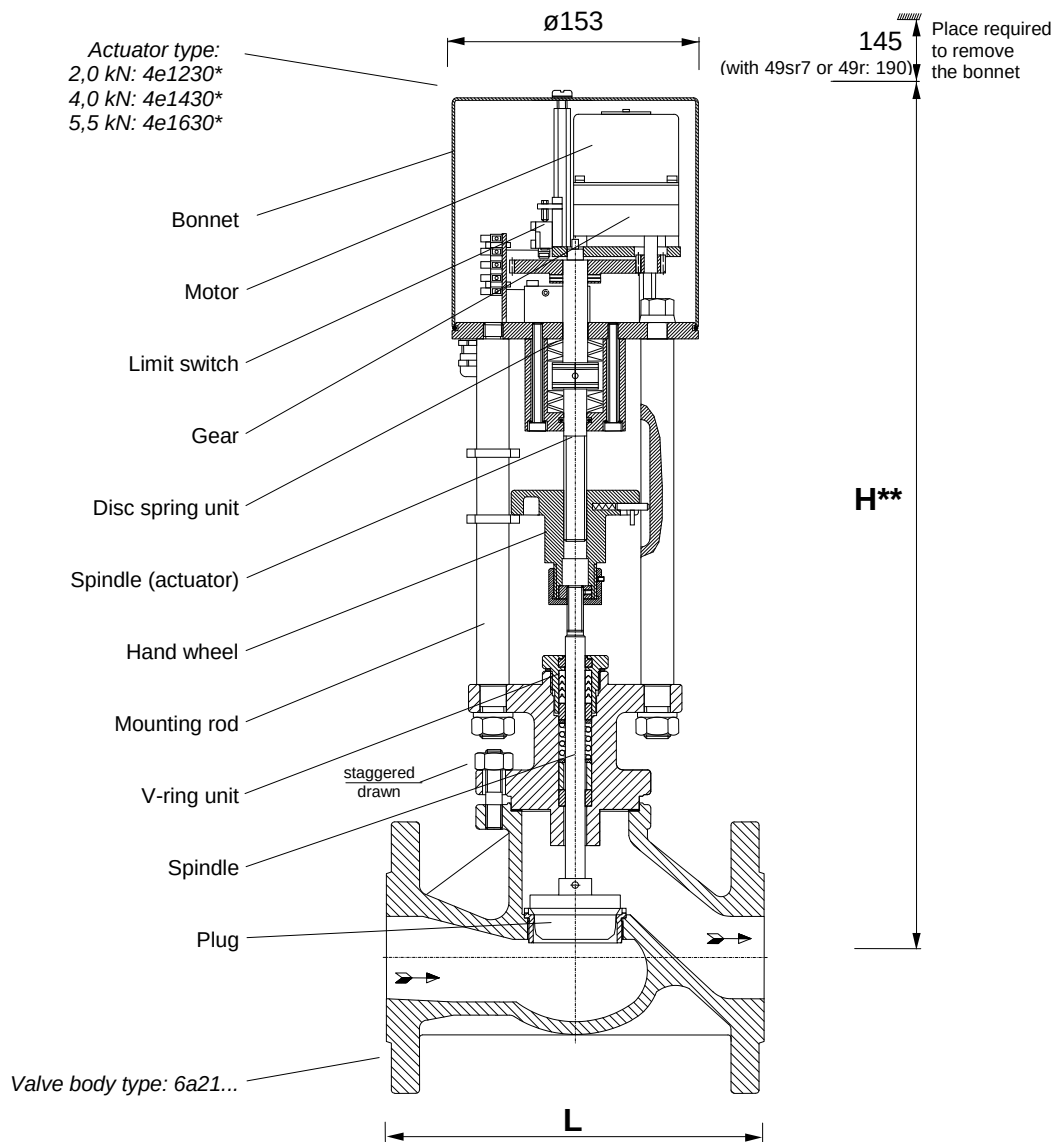


Pressure-temperature ratings acc. to DIN EN 1092-1/2:

by:	-10...50	100	150	200	250	300	350	400	450	°C*
PN16 421 4 EN-GJS-400-18-LT	16	16	15,5	14,7	13,9	12,8	11,2	-	-	bar
PN25 421 5 EN-GJS-400-18-LT	25	25	24,3	23	21,8	20	17,5	-	-	bar
PN40 421 7 GP240GH+N	40	37,3	34,7	30,2	28,4	25,8	24	23,1	13,2	bar
PN40 421 E GX5CrNiMo19-11-2	40	37,3	33,8	31,1	29,3	27,6	26,7	25,6	-	bar

* = max. 250°C for spindle sealing with PTFE-V-ring unit

DN	List-No.			Kvs m³/h	stroke mm	Pos. time sec	Closing pressure (bar)		
	PN16	PN25	PN40				2000N	4000N	5500N
65	421 406.	421 506.	421 706.	421 E06.	63	99	3,4	9,1	13,5
	421 456.	421 556.	421 756.	421 E56.	40	66	6,6	16,0	23,1
	421 476.	421 576.	421 776.	421 E76.	25	66	10,8	25,2	36,0
80	421 408.	421 508.	421 708.	421 E08.	100	99	2,0	5,8	8,6
	421 458.	421 558.	421 758.	421 E58.	63	66	3,4	9,1	13,4
	421 478.	421 578.	421 778.	421 E78.	40	66	6,6	16,0	23,1
100	421 410.	421 510.	421 710.	421 E10.	160	99	1,1	3,5	5,4
	421 460.	421 560.	421 760.	421 E60.	100	99	3,4	9,1	13,4
	421 480.	421 580.	421 780.	421 E80.	63	73	3,4	9,1	13,4
125	421 412.	421 512.	.	.	230	198	0,5	2,1	3,2
	421 412._140a	421 512._140a	.	.	140	116	1,1	3,5	5,4
	421 412._100a	421 512._100a	.	.	100	116	2,0	5,8	8,6
150	421 415.	421 515.	.	.	330	198	-	1,3	2,1
	421 415._250a	421 515._250a	.	.	250	165	0,5	2,1	3,3
	421 415._150a	421 515._150a	.	.	150	116	1,1	3,5	5,4



DN	65	80	100	125	150
Height H**	556	557	564	760	775
Length L	290	310	350	400	480
Weight kg	35	38	48	101	121

* = only for stroke up to 40mm; actuators for stroke 50-60mm: 4e1266 (2kN) , 4e1466 (4kN) and 4e1666 (5,5kN)

** = add. 45mm for actuators with positioner 49sr7 or controller 49r

Electrical wiring:

