

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: 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 (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: . . .

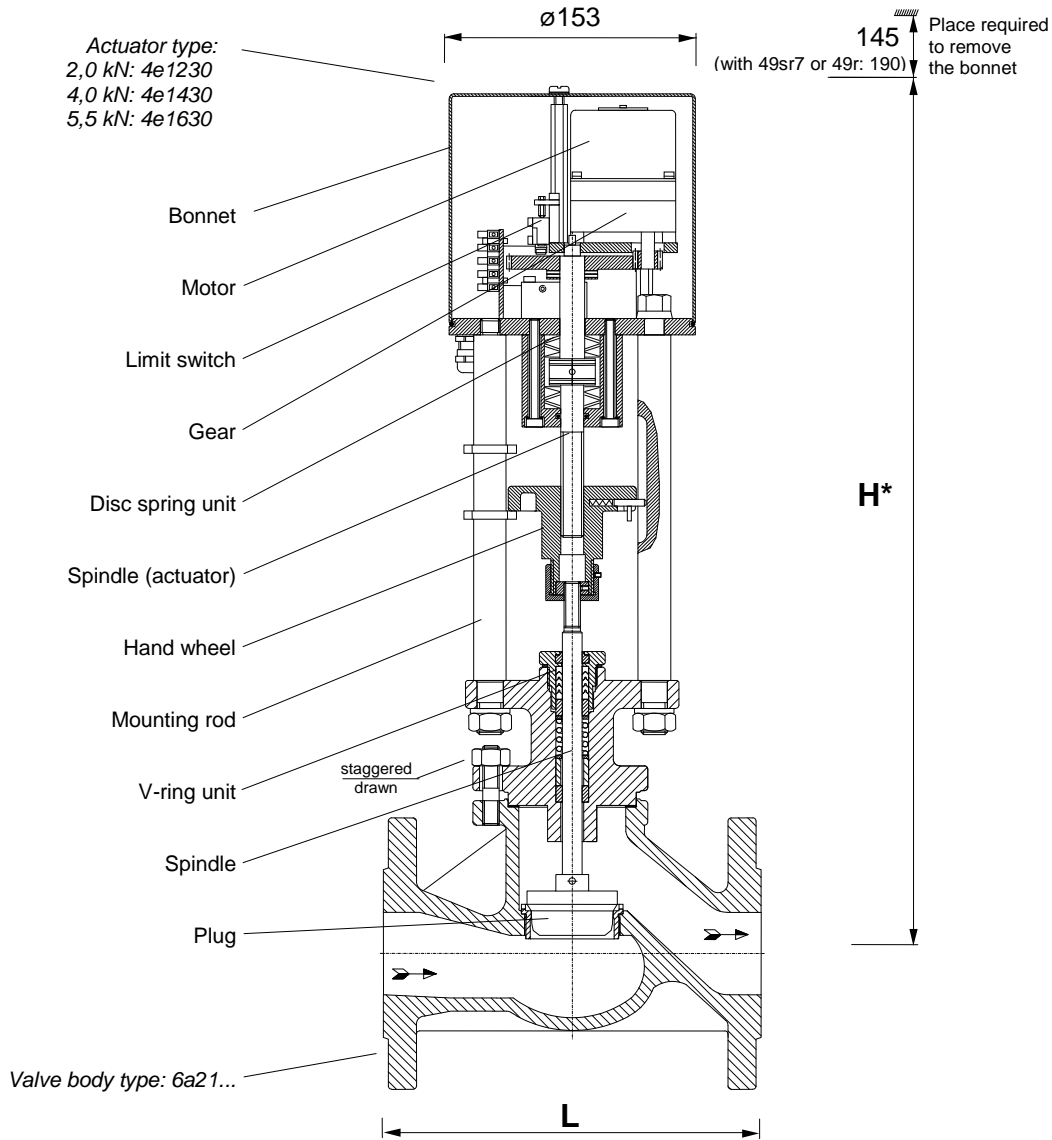


Pressure-temperature ratings acc. to DIN EN 1092-1/2:

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	PN40				2000N	4000N	5500N
15	421 400	421 500	421 700	421E00	4	20	66	40,0		
	421 450	421 550	421 750	421E50	2,5	20	66	40,0		
	421 470	421 570	421 770	421E70	1,6	20	66	40,0		
20	421 401	421 501	421 701	421E01	6,3	20	66	40,0		
	421 451	421 551	421 751	421E51	4,0	20	66	40,0		
	421 471	421 571	421 771	421E71	2,5	20	66	40,0		
25	421 402.	421 502.	421 702.	421E02.	10	20	66	28,5	40,0	
	421 452	421 552	421 752	421E52	6,3	20	66	40,0		
	421 472	421 572	421 772	421E72	4,0	20	66	40,0		
32	421 403.	421503.	421 703.	421E03.	16	20	66	17,3	39,3	40,0
	421 453.	421 553.	421 753.	421E53.	10	20	66	28,5	40,0	
	421 473	421 573	421 773	421E73	6,3	20	66	40,0		
40	421 404.	421 504.	421 704.	421E04.	25	20	66	10,8	25,2	36,0
	421 454.	421 554.	421 754.	421E54.	16	20	66	17,3	39,3	40,0
	421 474	421 574.	421 774.	421E74.	10	20	66	28,5	40,0	
50	421 405.	421 505.	421 705.	421E05.	40	20	66	6,6	16,0	23,0
	421 455.	421 555.	421 755.	421E55.	25	20	66	10,8	25,2	36,0
	421 475.	421 575.	421 775.	421E75.	16	20	66	17,3	39,3	40,0



DN	15	20	25	32	40	50
Height H^*	491	505	499	506	511	513
Length L	130	150	160	180	200	230
Weight kg	14	15	16	18	19	21

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

Electrical wiring:

