

Body: EN-GJS-400-18-LT (GGG-40.3), two way form
for heat transfer oil
Pressure range: PN 16, PN 25
Immersion length acc. to DIN EN 558, basic series 1
Flanges acc. to DIN EN 1092-2 type 21
Spindle sealing: double wall bellow
and safety stuffing box
Internal parts: stainless steel, replaceable seat rings
Flow characteristic: equal percentage
Positioning ratio: 30:1
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 Kvs- values (on request)
Weld-on ends (on request)
Flange drillings acc. to ANSI / JIS (on request)

Order text:

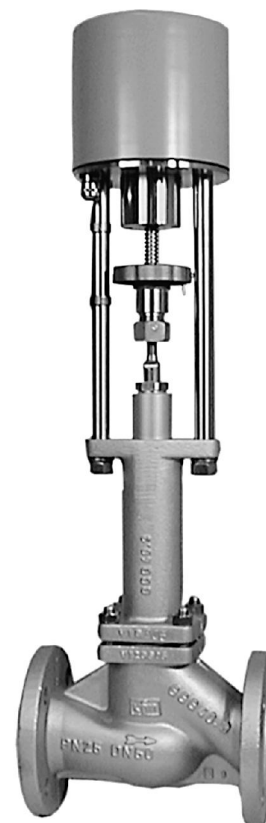
Motor control valve in two way form
EN-GJS-400-18-LT (GGG-40.3), PN . . , DN . . , Kvs . . .
Spindle sealing with bellow
Power supply . . . , closing pressure . . . bar
List-No. 451 . . . , accessories . . .

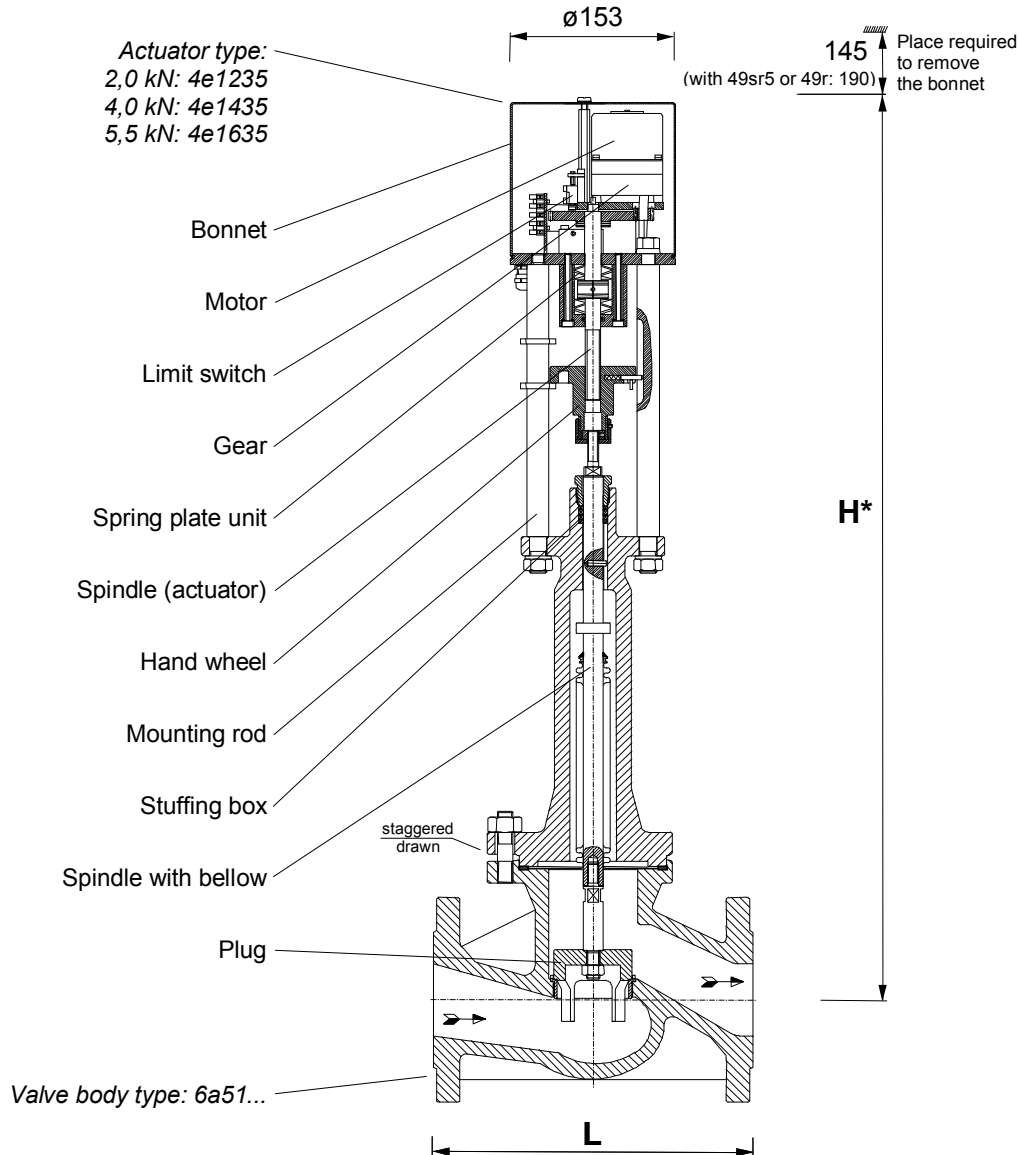
Pressure-temperature ratings acc. to DIN EN 1092-2:

by:	-10...120	150	200	250	300	350	°C
PN 16	16	15,5	14,7	13,9	12,8	11,2	bar
PN 25	25	24,3	23	21,8	20	17,5	bar

DN	List-No.		Kvs m³/h	Stroke mm	Pos. time sec	Closing pressure* (bar)		
	PN 16	PN 25				2000N	4000N	5500N
15	451 400	451 500	4	20	66	25,0		
20	451 401	451 501	6,3	20	66	25,0		
25	451 402	451 502	10	20	66	25,0		
32	451 403.	451 503.	16	20	66	17,3	25,0	
40	451 404.	451 504.	25	20	66	10,8	25,0	
50	451 405.	451 505.	40	20	66	6,6	16,0	23,0
65	451 406.	451 506.	63	30	100	3,4	9,1	13,3
80	451 408.	451 508.	100	30	100	2,0	5,8	8,6
100	451 410.	451 510.	160	30	100	1,1	3,5	5,4
125	451 412.	451 512.	230	40	133	0,5	2,1	3,3
150	451 415.		330	40	133		1,3	2,1

* see page 4514/5He/f/h for higher closing pressure; bigger DN on request





DN	15	20	25	32	40	50	65	80	100	125	150
Height H*	661	675	669	676	681	683	813	814	821	924	940
Length L	130	150	160	180	200	230	290	310	350	400	480
Weight kg	15	16	17	18	19	22	39	41	52	103	114

* = add. 45mm for actuators with positioner 49sr5 or controller 49r

Electrical wiring:

