



**531...E**

**Motor control valve in three way form**  
**with emergency close function, PN 16 / 25, GGG-40.3**

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**Body:** GGG-40.3, three way form,  
for water and steam, as mixing valve,  
(diverted purpose restricted,  
see page 038 990)  
Pressure range: PN 16, PN 25  
Flanges acc. to DIN,  
Spindle sealing: spring-loaded PTFE-V-ring unit  
for media temperatures up to 250°C  
alternatively: graphite-packing  
Internal parts: stainless steel  
Flow characteristic: linear  
Leakage: acc. to VDI/VDE 2174

**Electro-hydraulic actuator:** with emergency close function  
(straightway A-AB closed by power failure)  
and integrated manual emergency operation

Thrust: ca. 2800 N  
Power input: DN 15...50: 15 VA,  
DN 65...100: 24 VA  
Power supply: 230V/50...60Hz  
Emergency close time: DN 15...50: 10 s,  
DN 65...100: 14 s  
Protection class: IP54

**Function:**

In normal operation mode the electric pump generates pressure on the piston and moves so the valve spindle (stroke) and simultaneously the return spring (preloading) downwards.  
In emergency function (by power failure) the solenoid valve opens the pressure container and the return spring moves the piston and the valve spindle upwards and closes so the straightway of the valve.

**Accessories, special designs:**

Add. two signal switches (59e)  
Feedback potentiometer (59f)  
Reduced kvs-values (on request)  
Weld-on ends (on request)

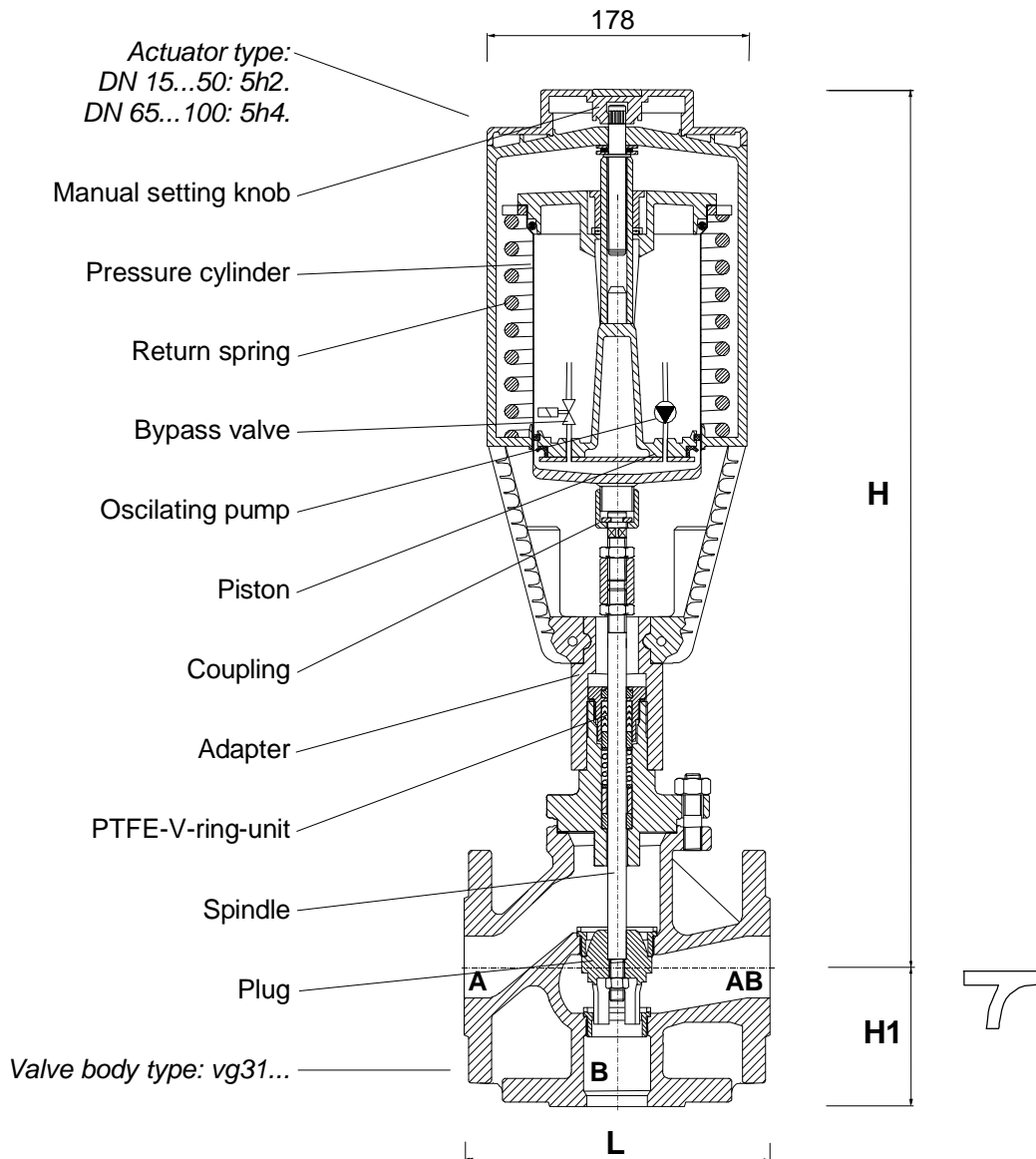
**Order text:**

Electro-hydraulic control valve PN . . , DN . .  
in three way form with PTFE-V-ring unit,  
and emergency close function, List-No. 531 . . .

**Max. operating pressure:**

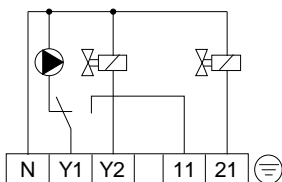
by:	120	200	250	°C
PN 16	16	13	13	bar
PN 25	25	20	18	bar

DN	List-No.		Kvs m³/h	Stroke mm	Pos. speed sec	Closing pressure bar
	PN 16	PN 25				
15	531 400	531 500	4,0	20	120	25,0
20	531 401	531 501	6,3	20	120	25,0
25	531 402	531 502	10	20	120	25,0
32	531 403	531 503	16	20	120	25,0
40	531 404	531 504	25	20	120	16,5
50	531 405	531 505	40	20	120	10,3
65	531 406	531 506	63	30	100	5,7
80	531 408	531 508	100	30	100	3,7
100	531 410	531 510	160	30	100	2,0



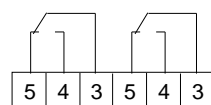
DN	15	20	25	32	40	50	65	80	100
Height H	543	557	551	557	563	565	609	610	617
Stud lenght H1	65	70	75	80	90	100	120	130	150
Immersion lenght L	130	150	160	180	200	230	290	310	350
Weight kg	16	17	19	21	22	25	41	45	60

**Electrical wiring:**

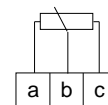


N/Y1 = Straightway opens  
 N/Y2 = Straightway closes  
 N/21 = Emergency close function  
 (closes straightway by power failure)

**Accessories (optionally):**



add. signal switch  
 travel dependent



potentiometer