

Motor Valve compact 8231

GS 1 series DN 15 up to DN 50



Motor valve for control and switching of neutral through to highly aggressive media in process engineering, chemical industries and for plant equipment.

- Space saving wafer type construction
- Lowest possible weight
- Low operation noise level (quiet operation)
- Self adaption
- Operating pressures up to 580 psi
- Control of high differential pressures with small actuators
- Available also with "spring return"



Technical Information Valve

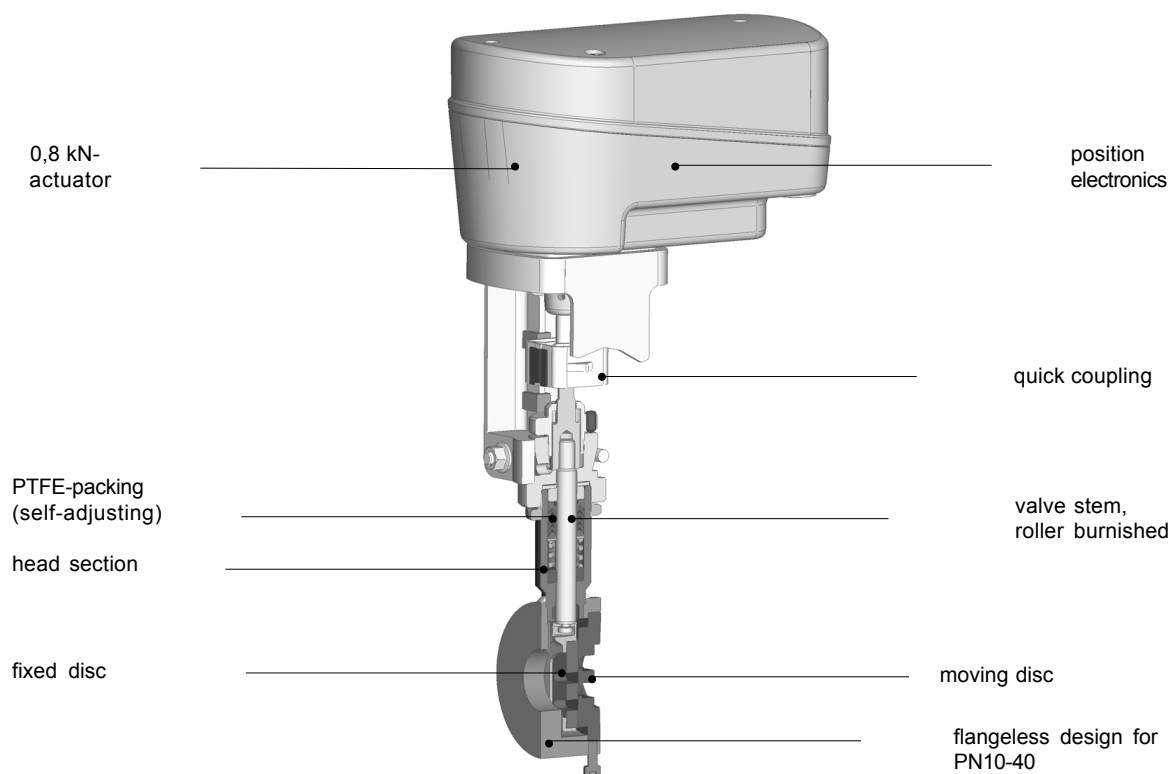
Design	Flangeless design Body length acc. DIN EN 558-1 series 20	
Nominal size	DN 15 up to DN 50	
Nominal pressure	PN 40 acc. DIN 2401 also for flanges PN 10 up to PN 25	
Fluid temperature	Body 1.0570: -10 up to +230°C Body 1.4571: -60 up to +230°C	
Rangeability	30 : 1	
Leakage rate (% of Kvs)	Unit carbon-stainless steel < 0,0001	STN2-unit < 0,001

Technical Information Motor Actuator

Type of motor	BM24C	BM24C/I	BM24C/IOS	BM115C/IOS	BM230C/IOS	BM24	BM115	BM230
Function	Control	Control	Control	Control	Control	On/Off	On/Off	On/Off
Nominal voltage	24 V AC/DC	24 V AC/DC	24 V AC/DC	115 V AC	230 V AC	24 V AC/DC	115V AC	230 V AC
Set point	2 - 10 V	4 - 20 mA	4 - 20 mA	4 - 20 mA	4 - 20 mA	3-step	3-step	3-step
Load	100 kOhm	500 Ohm	500 Ohm	500 Ohm	500 Ohm	-	-	-
Position feedback	2 - 10 V	2 - 10 V	4 - 20 mA	4 - 20 mA	4 - 20 mA	-	-	-
external load	-	-	< 700 Ohm	< 700 Ohm	< 700 Ohm	-	-	-
limit switches	-	-	2 x	2 x	2 x	-	-	-
max. switching load	-	-	230V/130mA	230V/130mA	230V/130mA	-	-	-
Power consumption	3 W	3 W	3 W	4 W	4 W	3 W	6 W	6 W
Stroking time (standard)	3,50 s/mm	3,50 s/mm	3,50 s/mm	3,50 s/mm	3,50 s/mm	7,5 s/mm	7,5 s/mm	7,5 s/mm
Thrust	800 N							
Class of protection	IP 65							
Ambient temperature	-10°C up to +60°C							

По вопросам продаж и поддержки обращайтесь:
 Екатеринбург (343)384-55-89, Казань (843)206-01-48, Краснодар (861)203-40-90,
 Москва (495)268-04-70, Санкт-Петербург (812)309-46-40
 Единый адрес: ssr@nt-rt.ru
www.ssalzer.nt-rt.ru

Motor Valve compact 8231-GS1



Admissible Differential Pressure

	maximum differential pressure [bar]					
Nominal Size	DN15	DN20	DN25	DN32	DN40	DN50
Unit carbon-stainless steel	40	40	40	40	30	20
STN 2-unit	40	37	28	20	14	8,5

Materials

Body	Carbon steel 1.0570 /1.0619	Stainless steel 1.4571 /1.4581
Head section	Carbon steel 1.0570 /1.0619	Stainless steel 1.4571 /1.4581
Packing	PTFE (carbon filled), spring 1.4310	
Actuating stem	Stainless steel, roller burnished	
Fixed plate	Stainless steel 1.4571, plated	STN2-disc
Sliding disc	Standard: special carbon material	STN2-disc
Coupling ring for discs	Stainless steel 1.4581	

Stroking times

Stroking times for control actuators in sec.		
Setting	DN 15 - DN 40	DN 50
1,75 s/mm	11	14
3,5 s/mm	22*	29*
7,0s/mm	44	58
14,0 s/mm	88	116

Stroking times for on/off actuators in sec.		
Setting	DN 15 - DN 40	DN 50
7,5 s/ mm	47*	62*
4,5 s/ mm	28	37

***Standard**

SCHUBERT & SALZER
**CONTROL
SYSTEMS**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
8	2	3	1	/					V	K	N				
Type				Size		Symbol: "V": Valve "R": Repair kit (sealings)									

7 - 16: Quote only if required.

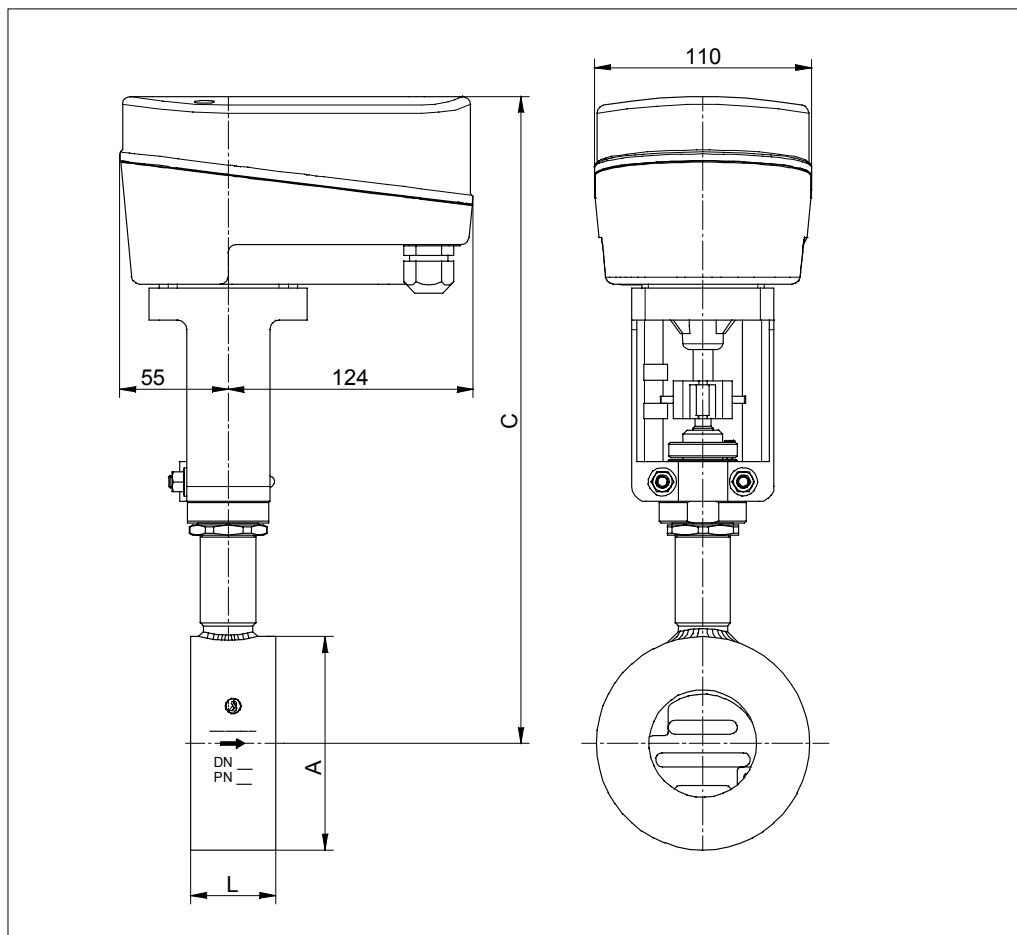
1. Motor design		2. Function		3. Connection		4. Body material		5. Safety position		6. Motor actuator		7. Special versions		8. Stem sealing	
K	Compact actuator	N	Control valve with mMotor actuator (type 8231, short design)	0	Flangeless design for flanges acc. DIN 2632-2635 (PN10-PN40)	0	C-Steel 1.0570/1.0619	-	without safety position	3	Control actuator BM24C/IOS 24V AC/DC, position electronics 4-20 mA feedback 4-20 mA 2 limit switches	M	to state if some of sections 8 - 15 are quoted	-	PTFE-packing self-adjusting (standard)
						1	Stainless steel 1.4571/1.4581	0	spring closes	1	Control actuator BM24C 24V AC/DC position electronics 2-10 V feedback 2-10 V				
										2	Control actuator BM24C/I 24V AC/DC position electronics 4-20 mA				
										4	Control actuator BM115C/IOS 115V AC position electronics 4-20 mA				
										5	Control actuator BM230C/IOS 230V AC position electronics 4-20 mA				
										6	On-off actuator BM24 24V AC/DC				
										7	On-off actuator BM230 230V AC				
										8	On-off actuator BM115 115V AC				

[illegible]

8231/050VKN0103: GS-Motor valve compact type 8231, DN 50, flangeless design PN10-PN40, stainless steel body, spring closes, control actuator BM24C/IOS, 24V AC/DC, position electronics 4-20 mA, stroke feedback 4-20 mA, 2 limit switches, linear flow characteristic, Kvs-value 100 %

Motor Valve compact 8231-GS1

Dimensions and Weights



DN	A	C	L	Stroke	Weight kg
15	53	300	33	6	2,6
20	62	305	33	6	2,7
25	72	310	33	6	2,8
32	82	315	33	6	2,8
40	92	320	33	6	3
50	108	330	43	8	4,1

Dimensions in mm

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