

Motor Valve compact 8230

GS 3 series DN 15 up to DN 50

SCHUBERT & SALZER
CONTROL SYSTEMS

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 40 bar
- Control of high differential pressures with small actuators
- Available also with "spring return"



Technical Information Valve

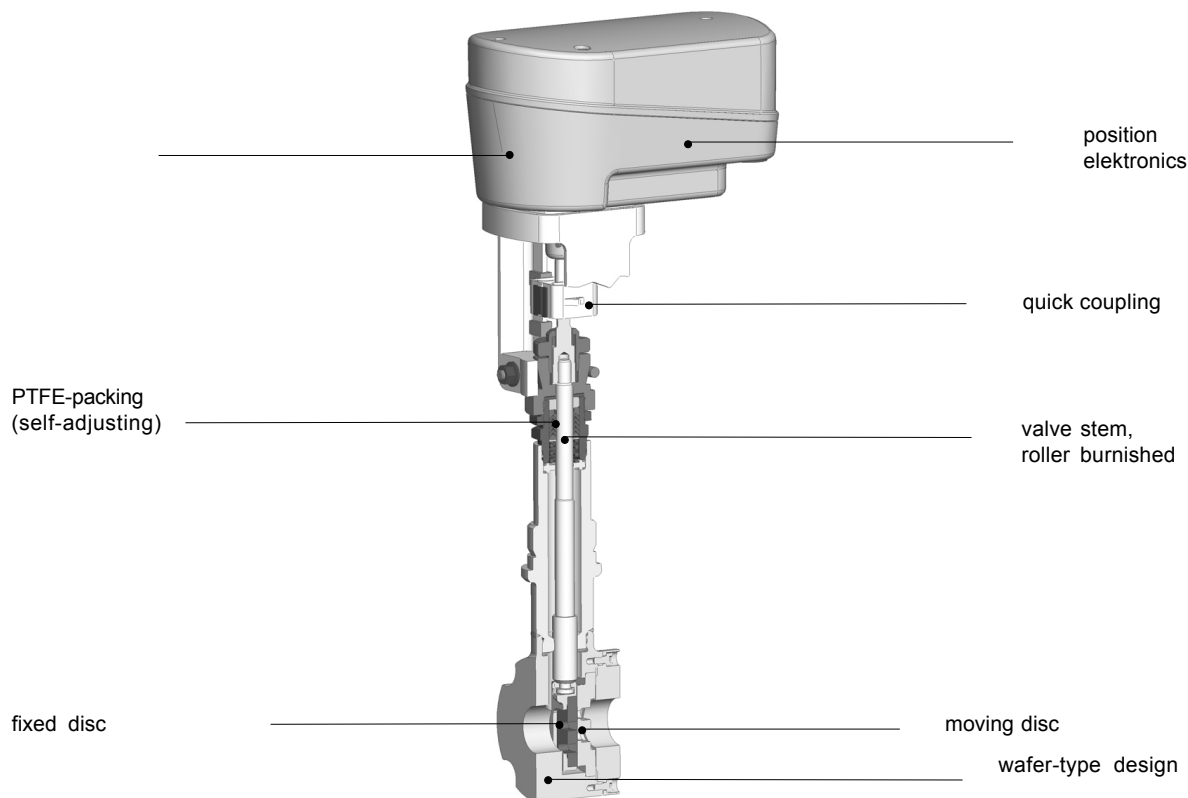
Design	Flangeless design further versions see data sheet 8230-GS1	
Nominal size	DN 15 up to DN 50	
Nominal pressure acc. DIN 2401	PN 40 (fits also to PN 10-25)	
Nominal pressure acc. ANSI	ANSI 150	
	ANSI 300	
Media temperature	Carbon steel body	-10°C up to +300°C
	Stainless steel body	-60°C up to +350°C
Rangeability	30 : 1	
Leakage (% of Kvs)	Disc unit	Disc unit
	Carbon-stainless steel	STN 2
	< 0,0001	< 0,001

Technical Information Motor Actuators

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 8230-GS3



Admissible Differential Pressures

	maximum differential pressure [bar]					
Nominal size	DN15	DN20	DN25	DN32	DN40	DN50
Unit carbon-stainless steel	40	40	40	40	30	20
STN2 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	
Bellow	Stainless steel 1.4571	
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	

Motor 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*
7,0 s/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

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8	2	3	0	/				V	K	M					M							Z			S
Type				Size			Symbol: "V": Valve "R": Repair kit (sealings)																		

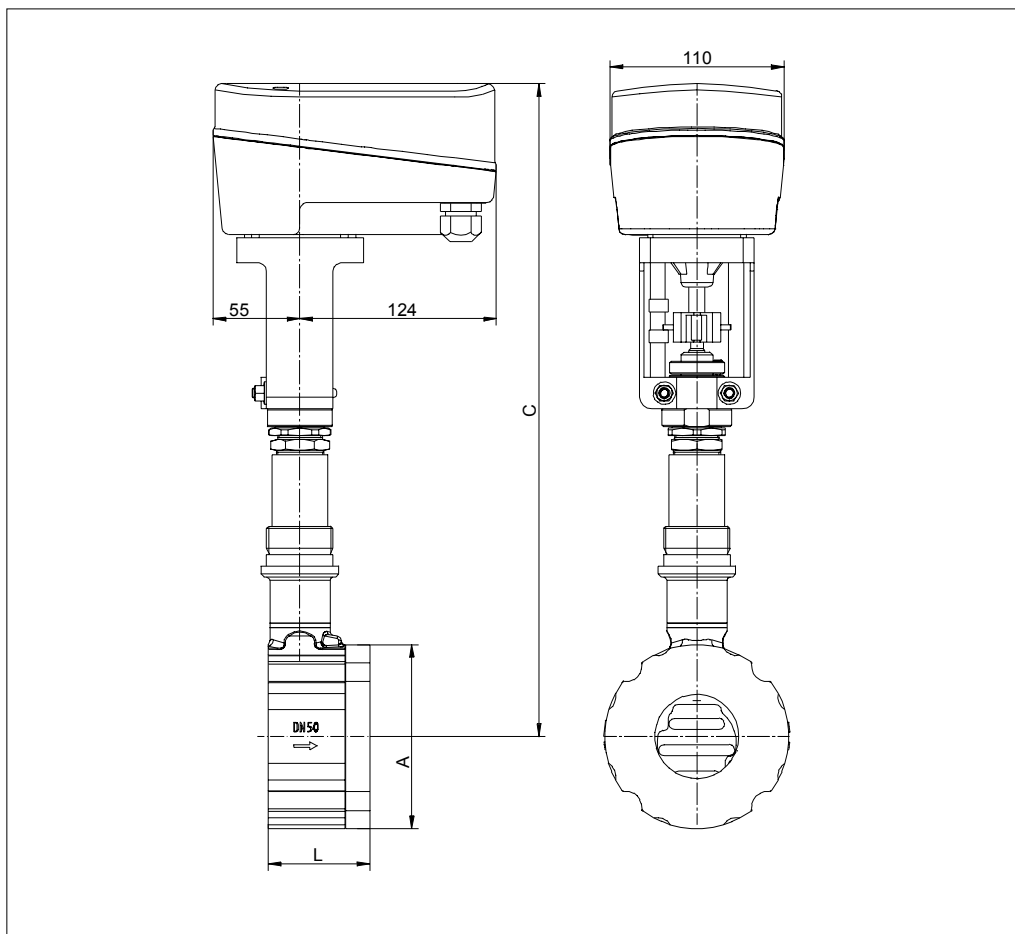
7 - 16: Quote only if required.

9. Moving disc		10. Fixed disc		11. Cv-values		12. Flow characteristic		13. Accessories		14. Set point signal		15. Stroking times		16. Special versions	
-	carbon	-	stainless steel	-	100% (stand.)	-	linear	Z	Accessories	-	Standard	-	Standard:		
9	STN2/STN3-disc	1	STN2-disc	A	red. to 63%	1	equal		(pos.14 ff.)		2-10V or 4-20 mA		control actu.		
B	carbon, fibre-reinforced	3	STN3- disc	1	red. to 40%		percentage				signal opens		3,5 s/mm		
				B	red. to 25%								On-off		
				2	red. to 16%								7,5s/mm		
													L 3,75 s/mm		
				C	red. to 10%								on/off-		
				3	red. to 6,3%								actuators only		
				4	red. to 2,5%								1 1,75 s/mm		
				5	red. to 1%								actuators only		
				6	red. to 20%								2 7,0 s/mm		
				7	red. to 12%								control		
				8	red. to 2%								actuators only		
				9	red. to 0,4%								3 14,0 s/mm		
													control		
													actuators only		

8230/050VKME103: GS-Motor Valve compact type 8230, DN 50, flangeless design ANSI 150, 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 characteristic, Kvs-value 100 %

Motor Valve compact 8230-GS3

Dimensions and Weights



DN	A	C	L	Stroke	Weight kg
15	64	385	56	6	3,8
20	72	390	56	6	4
25	82	395	56	6	4,3
32	86	400	56	6	4,5
40	99	405	56	6	4,8
50	116	415	64	8	6,3

Dimensions in mm

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