

3/2-Way Motor Control Valve

DN 15 up to DN 32

7282

SCHUBERT & SALZER
**CONTROL
SYSTEMS**

3/2-Way Motor Valve in stainless steel for distributing function, mixing function and modulating operation for neutral and aggressive media.

- Compact design
- Self calibration
- Unaffected by lightly contaminated media
- For operating temperatures from -30°C up to +200°C
- Versatile actuator options
- Actuators with control function also available with spring return



Technical Information Valve

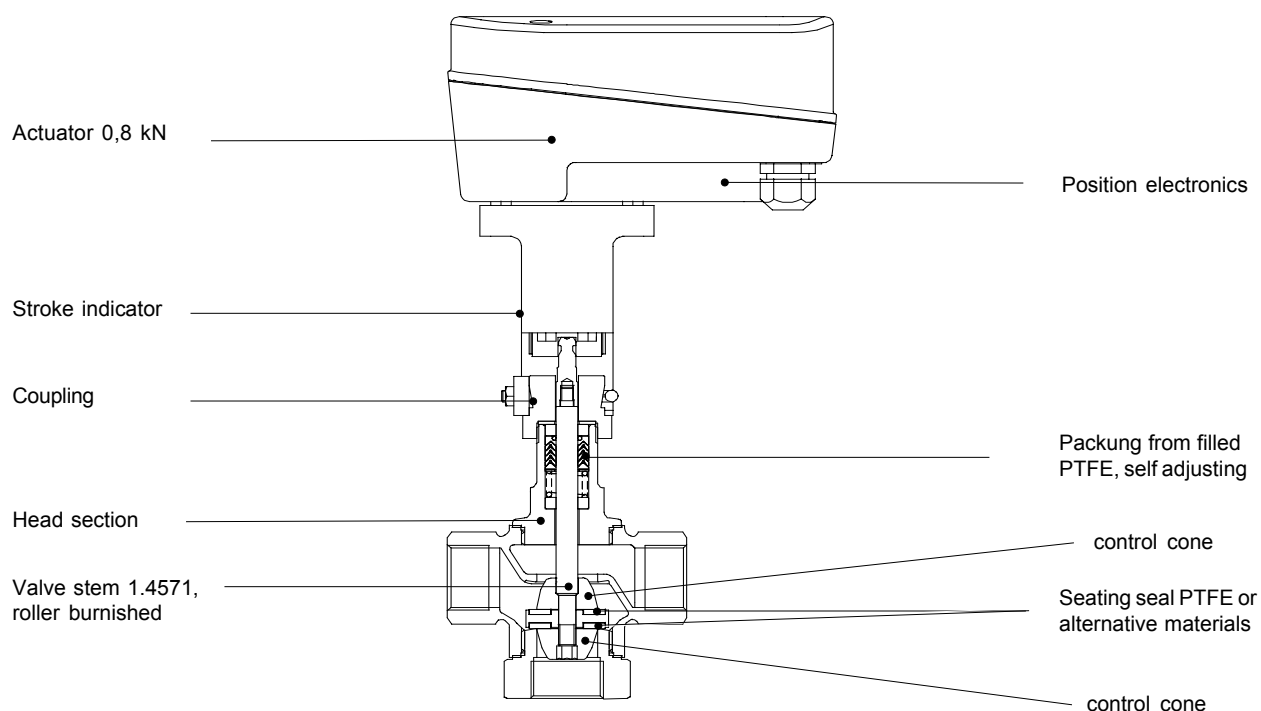
Nominal sizes	DN 15 up to DN 32
Connections	Pipe thread acc. DIN 2999: Rp 1/2" - 1 1/4" NPT thread: 1/2" - 1 1/4"
Nominal pressure	PN40
Fluid temperature	-30°C up to + 200°C

Technical Information Motor Actuator

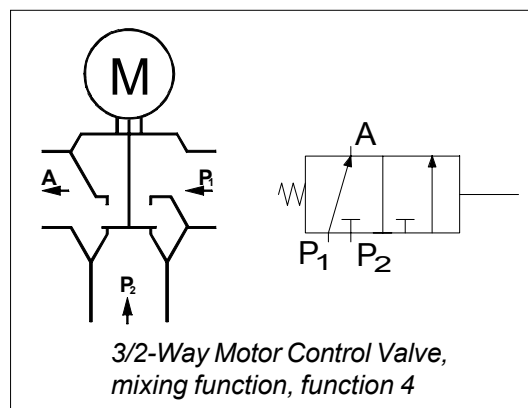
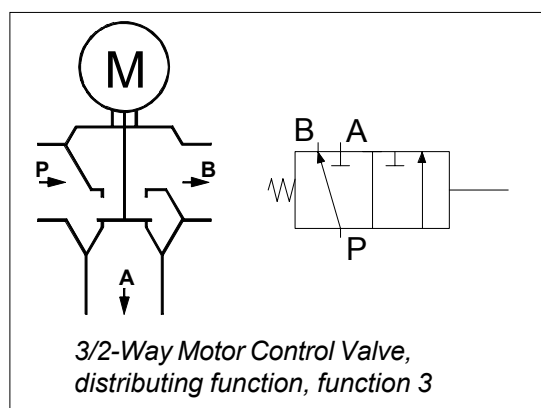
Type of motor	BM24C	BM24C/I	BM24C/IOS	BM115C/IOS	BM230C/IOS	BM24	BM115	BM230
Function	Control	Control	Control	Control	Control	On/Off	On/Off	On/Off
Nominal voltage	24 V AC/DC	24 V AC/DC	24 V AC/DC	115 V AC	230 V AC	24 V AC/DC	115V AC	230 V AC
Set point	2 - 10 V	4 - 20 mA	4 - 20 mA	4 - 20 mA	4 - 20 mA	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

3/2-Way Motor Control Valve 7282



Functions



K_{vs}-Values

DN	P-B	P-A	P1-A	P2-A
15	5,5	7,5	5,5	7,5
20	6,5	10	6,5	10
25	10	14	10	14
32	15	23	15	23

Admissible Differential Pressures

	Differential pressure max [bar]			
Nominal size	DN15	DN20	DN25	DN32
	15	15	8,5	4,8

3/2-Way Motor Control Valve 7282

Ordering Number System

Article number											
7282/			K							S	
Nominal size:											
DN 15	015										
DN 20	020										
DN 25	025										
DN 32	032										
Item:											
Valve	V										
Valve without actuator	U										
Actuator	A										
Body design:											
3/2-Way Motor Valve, distributing function	3										
3/2-Way Motor Valve, mixing function	4										
Connection:											
With orth-thread	0										
NPT thread	5										
Body material:											
Stainless steel 1.4408	2										
Seating seal:											
PTFE	0										
Actuator:											
Control actuator BM24C - 24V AC/DC - Position control 2-10V - Feedback 2-10V	1										
Control actuator BM24C/I - 24V AC/DC - Position control 4-20mA - Feedback 2-10V	2										
Control actuator BM24C/IOS - 24V AC/DC - Position control 4-20mA - Feedback 4-20mA - 2 limit switches	3										
Control actuator BM115C/IOS - 115V AC - Position control 4-20mA - Feedback 4-20mA - 2 limit switches	4										
Control actuator BM230C/IOS - 230V AC - Position control 4-20mA - Feedback 4-20mA - 2 limit switches	5										
On-Off actuator BM24 - 24V AC/DC	6										
On-Off actuator BM230 - 230V AC	7										
On-Off actuator BM115 - 115V AC	8										
Control plug:											
linear 100%	-										
Safety position:											
without safety position	-										
Spindle travelling into valve, set point time < 1.5 mm/sec	0										
Spindle travelling out of valve, set point time < 1.5 mm/sec	1										
Stroking times:											
Standard (3,5s/mm for control actuators - 7,5 s/mm for on-off actuators)	-										
3,75 s/mm (on-off actuators only)	L										
1,75 s/mm (control actuators only), with safety spring return 3,0 s/mm	1										
7,0 s/mm (control actuators only)	2										
14,0 s/mm (control actuators only)	3										

Ordering example

7282/025VK40103: 3/2-Way Motor Control Valve Type 7282, DN 25, pipe thread acc. DIN 2999/ISO228, stainless steel body 1.4408, seating seal PTFE, control actuator BM24C/IOS, 0,8 kN, 24V AC/DC, position electronics 4-20 mA, position feedback 4-20 mA, 2 limit switches, control cone lin. 100%.

SCHUBERT & SALZER
CONTROL
SYSTEMS

DN	A Rp / NPT	B Rp	B NPT	E	Stroke	K	L	SW1	SW2	SW3	Weight kg
15	1/2"	15	14,5	277	14	62	90	26	41	30	3,1
20	3/4"	16,3	15	277	14	62	90	32	41	30	3,1
25	1"	19,1	18	289	14	63	110	41	55	30	3,5
32	1 1/4"	21,4	18,4	293	15	74	130	48	65	30	4,1

Dimensions in mm

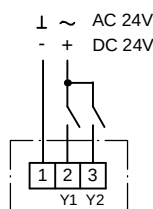
Schematic Wiring Diagrams

On/Off-Actuators

Actuator: BM24

24V AC/DC

3-step drive

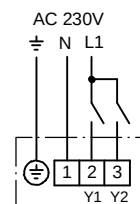


Actuator: BM230, BM115

230V 50/60 Hz

115V 50/60 Hz

3-step drive



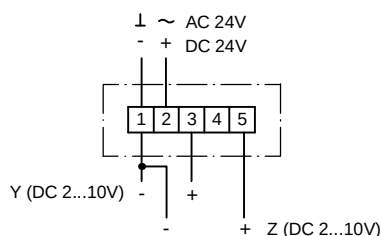
Control Actuators

Actuator: BM24C and BM24C-R

24V AC/DC

input signal 2-10V

feedback signal 2-10V



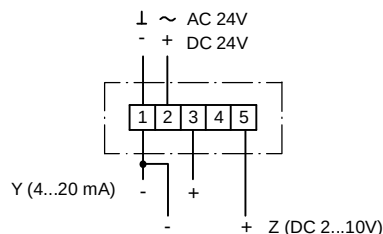
Actuator: BM24C/I and BM24C/I-R

24V AC/DC

input signal 4-20mA

feedback signal 2-10V

BM24C/I, BM24C/I-R



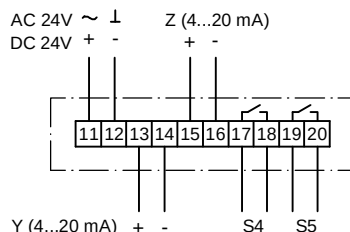
Actuator: BM24C/IOS and BM24C/IOS-R

24V AC/DC

input signal 4-20mA

feedback signal 4-20mA

2 limit switches



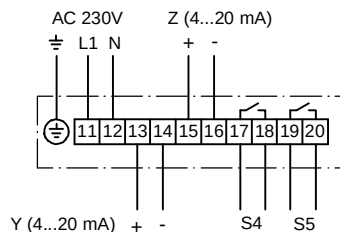
Actuator: BM230C/IOS and BM230C/IOS-R

230V 50/60Hz

input signal 4-20mA

feedback signal 4-20mA

2 limit switches



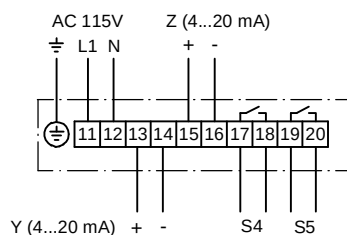
Actuator: BM115C/IOS and BM115C/IOS-R

115V 50/60Hz

input signal 4-20mA

feedback signal 4-20mA

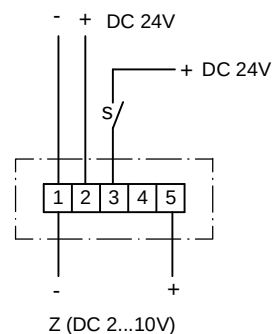
2 limit switches



Actuator: BM24C and BM24C-R

24V DC

feed back signal 2-10V



BM.....-R: version with safety position

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