

3/2-Way Motor Valve

7180

DN 15 up to DN 40

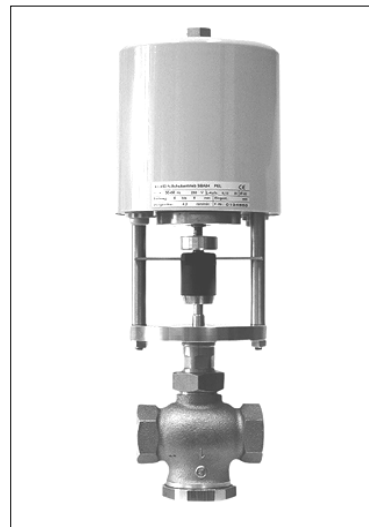
SCHUBERT & SALZER
**CONTROL
SYSTEMS**

3/2-way motor valve for diverting, mixing and control operation of neutral and slightly aggressiv fluids.

- Compact design
- Unaffected by lightly contaminated media
- For temperatures from -30°C up to +200°C
- Working pressure up to 16 bar

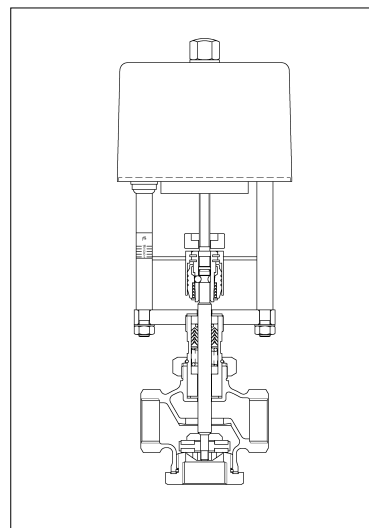
Technical Information Valve

Body material	Bronze RG5
Nominal size	DN 15 up to DN 40
Connections	Pipe thread acc. DIN 2999 Rp 1/2" - Rp 1 1/2"
Nominal pressure	PN 16
Media temperature	-30°C up to +170°C optional up to +200°C
Viscosity of media	max. 600 mm ² /s (600cSt, 80°E)



Technical Information Motor Actuator

Actuating force	0,45 kN; 0,9 kN; 2,0 kN
Type of Duty acc. VDE 0530	S1 - 100 % ED
Net Connections	230V AC 24V AC
Power Consumption	0,45 kN: 2,6 W; 0,9 kN: 4,8 W; 2,0 kN: 6,6 W
Amb. Temperature	0°C up to 60 °C
Mounting Position	Motor not top-down; (0,9 kN any)
Protection type (DIN 40050)	IP 43 (0,45 kN) optional: IP 65 (0,9 kN; 2 kN)



Options

- version free of oil for oxygen applications

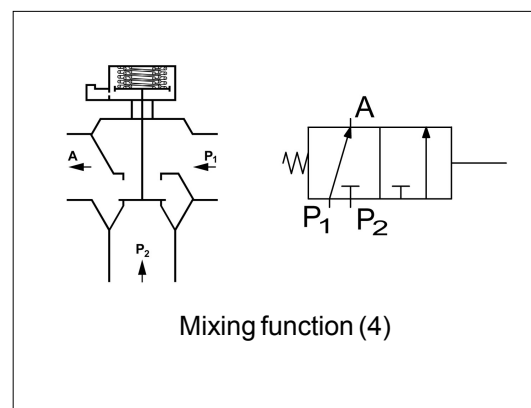
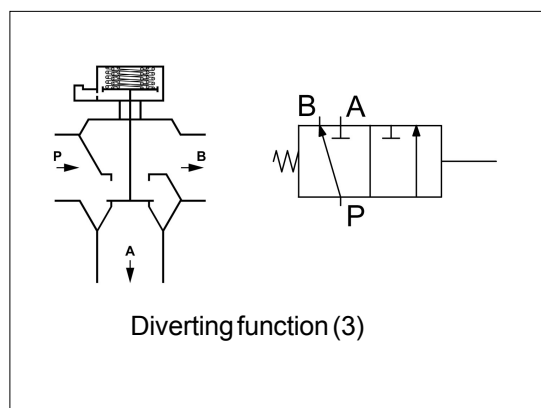
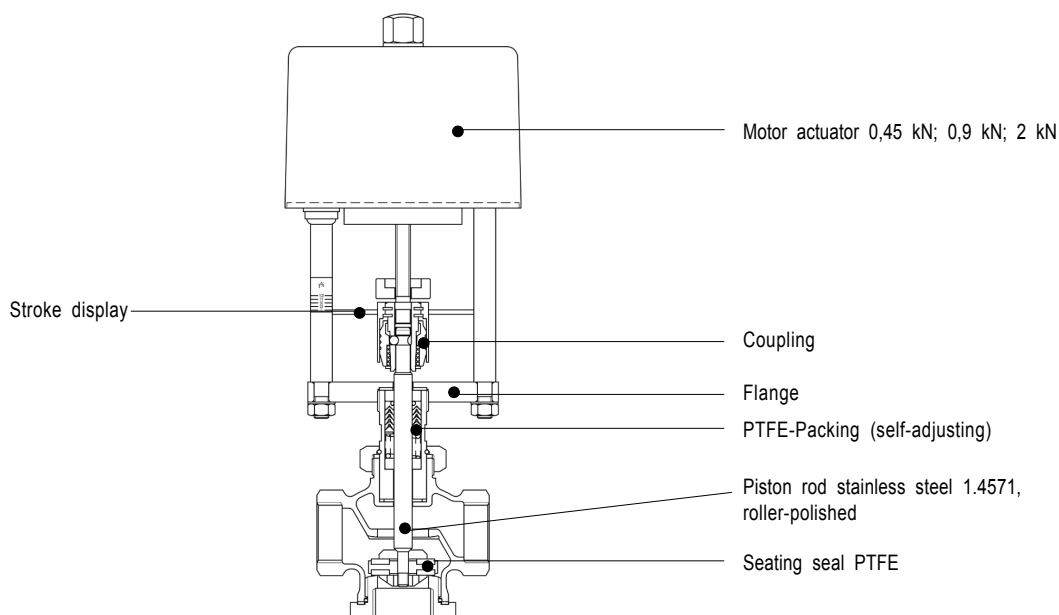
	0,45 kN	0,9 kN	2,0 kN
Limit switches	2	max. 2	max. 2
Potentiometer	1*	1*	1*
Positioner, analog	yes	yes	yes

* One potentiometer is required for positioner option

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 Valve 7180

Diverting / Mixing function



Kv-values

DN	P-B	P-A	P1-A	P2-A
15	5,5	5,3	5,7	5,3
20	7,4	8,7	7,3	9,5
25	12,3	12,5	12,6	14
32	24,4	20	25,5	21
40	26,6	23	30,3	23,3

Nominal size DN	$\Delta P_{\max}$ bar	Actuating force (kN)
15	5,3	0,45
15	16	0,9
20	5,3	0,45
20	16	0,9
25	2,5	0,45
25	8,7	0,9
25	16	2
32	3,3	0,9
32	9,8	2
40	3,3	0,9
40	9,8	2

The maximum nominal pressure is 16 bar.

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7	1	8	0	/				V												S
Type					Size			1 2 3 4 5 6 7 8 9 10 11 12 Symbol: "V": Valve "A": Actuator (valve w without body) "R": Repair kit (sealings)												

7 - 12: Quote only if required.

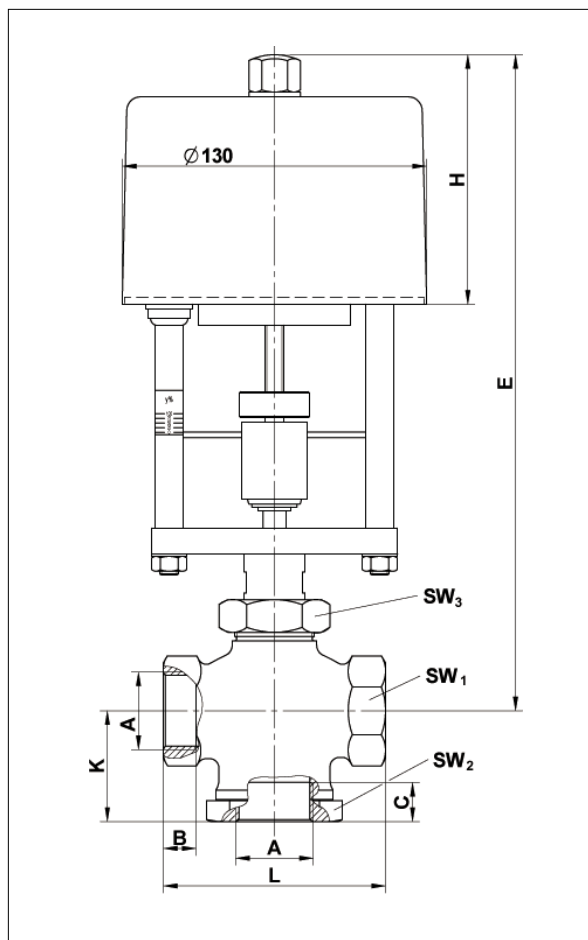
1. Body type		2. Connection		3. Body material		4. Seating seal		5. Pilot function		6. Motor	
3	3/2-way, diverting function	0	Pipe thread acc. DIN 2999 / ISO 288	1	bronze	0	PTFE (Teflon)	A	On/Off	4	Motor actuator 0,9 kN - IP65
4	3/2-way, mixing function	5	NPT-thread			1	FKM (Viton)	R	Control	1	Motor actuator 2,0 kN - IP65
						2	EPDM			7	Motor actuator 0,45 kN - IP43
						3	NBR				

7. Motor voltage	8. Stroking speed	9. Positioner	10. Limit switches	11. Feedback	12. Special versions
- 230VAC (Standard)	- Standard 0 Motor stroking speed 0,9 kN = 5 mm/min. 2 kN = 6,3 mm/min	- Without 3 0 - 10 V	- without	- without	S Quote for further special versions
1 24V DC	1 Motor stroking speed 0,9 kN = 13,5 mm/min. 2 kN = 6,3 mm/min	M 0 - 20mA	1 1 stroke dependent limit sw itch	1 Feedback via potentiometer 1000 Ohm 2 Feedback via potentiometer 200 Ohm 3 Feedback via potentiometer 2000 Ohm 4 Feedback via potentiometer 5000 Ohm A 2 Potentiometer 1000 Ohm C Stroke feedback for positioner 0/4-20 mA F Stroke feedback for positioner 0/2-10 V D Stroke feedback 4-20 mA (positioner printed baod only for stroke feedback) E Stroke feedback 0-20 mA (positioner printed baod only for stroke feedback)	
2 400V, 50 Hz 3- phase current	2 Motor stroking speed 2,9 mm/min. 0,9 kN	N 4 - 20mA	2 2 stroke dependent limit sw itches		
4 110V/120V AC	3 Motor stroking speed 1,7 mm/min. 0,9 kN 4 Motor stroking speed 30 mm/min at 50 Hz or 36 mm/min at 60 Hz 0,9 kN	R 4 - 11 mA S 11 - 20 mA			

3/2-way motor valve, Mischfunktion, nominal size DN 25, bronze-body with pipe thread acc. DIN 2999, seating seal PTFE, control function, motor actuator 0,9 kN, IP65, 230 V AC, Standard-stroking speed positioner 4-20 mA

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Dimensions and Weights



Diverting and mixing function

DN	Actuator	A	B	C	E 0,45kN/0,9kN w/o with positioner		E 2 kN w/o with positioner		Stroke	K	L	SW1	SW2	SW3	Weight (~kg) w/o with positioner	
15	0,45	Rp 1/2"	13	13	281	307	311	337	9	39	80	33	41	41	3	3,3
20	0,45	Rp 3/4"	13	14,5	281	307	311	337	9	42	80	33	41	41	3	3,3
25	0,45	Rp 1"	14	17	281	307	311	337	11	47	95	41	55	41	3,2	3,5
15	0,9	Rp 1/2"	13	13	281	307	311	337	9	39	80	33	41	41	3,2	4
20	0,9	Rp 3/4"	13	14,5	281	307	311	337	9	42	80	33	41	41	3,2	4
25	0,9	Rp 1"	14	17	281	307	311	337	11	47	95	41	55	41	3,4	4,2
32	0,9	Rp 1 1/4"	18	19	298	324	328	354	18,5	61	132	58	75	41	5	5,8
40	0,9	Rp 1 1/2"	18	19	298	324	328	354	18,5	61	132	58	75	41	5	5,8
25	2	Rp 1"	14	17	281	307	311	337	11	47	95	41	55	41	3,8	4,4
32	2	Rp 1 1/4"	18	19	298	324	328	354	18,5	61	132	58	75	41	5,4	6
40	2	Rp 1 1/2"	18	19	298	324	328	354	18,5	61	132	58	75	41	5,4	6

Dimensions in mm

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