

3/2-Way Screw-In Valve Series EV



Operating information

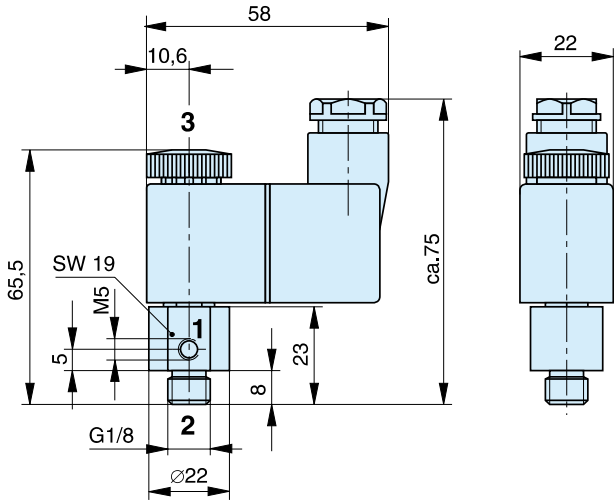
Actuation	Electrical directly operated		Actuation		
Type	Poppet valve, normally closed		Electrical	Direct	
Mounting	Screws into thread G1/8		Voltage type	Alternating current (50/60Hz)	Direct current
Tube connection	Thread		Nominal voltage ⁽¹⁾		
Port size	Port 1: M5, port 2: G1/8		– Standard version **	230 ±10%	24 ±10%
Weight	0.1 kg		– Low wattage version	230 ±10%	24 ±10%
Nominal diameter	1 mm		Initial power consumption		
Installation	in any position		– Standard version (VA)	11	4.8
Ambient temperature range	-10 °C to +60 °C		– Low wattage version (VA)	7.8	2.7
Medium temperature range	-10 °C to +60 °C		Continuous consumption		
Medium	Filtered compressed air (30µ)		– Standard version (VA)	8.5	4.8
Lubrication	With or without oil mist lubrication (We recommend the use of mineral oil type VG 32 to ISO 3448)		– Low wattage version (VA)	4.9	2.7
Pneumatic Characteristics			Duty cycle	100%	
Nominal pressure	6 bar		Electrical protection	IP 65 to DIN 40050 (applies only to solenoid with plug)	
Operating pressure range	0 – 10 bar		Connection	Plug to DIN EN 175301-803 form B – industrial standard, Low wattage version form A	
Nominal flow	30 l/min				

(¹ see Order Instructions)
** other voltages on request

Order Instructions – 3/2 Way Screw-In Valve – Series EV

Actuation	Symbol	Order Instructions	
		Type	Order code
Electrical, by permanent signal		EV 381RF-M5-..	PD25076-..33
Solenoid version		Nominal voltage	Key code
Cast		24V =	02
encapsulated housing		230V 50/60Hz	61
		Other voltages on request	

3/2 Way Valve – Type: EV 381RF-M5



Dimensions in mm

3/2-Way Valve Series V9

NW 1.3 and 2.5

Actuation System:

- Electrically actuated,
directly actuated

Versions:

Threaded version

- Normally closed
- Normally open
- With manual override



Operating information

Type	Poppet valve	
Mounting	2 Screws M3 (NW 2.5: 2 x M4)	
Tube connection	Thread	
Thread	G1/8 – 8 deep	
Weight	NW 1.3: 0.140 kg NW 2.5: 0.320 kg	
Installation	In any position	
Ambient temperature range (¹)	-10 °C to +60 °C	Note : Please consult us for operating temperatures below 0° C
Medium temperature range (¹)	-10 °C to +70 °C	
Medium	Filtered compressed air	
Lubrication	With or without oil mist lubrication (We recommend the use of mineral oil type VG 32 to ISO 3448)	

Pneumatic Characteristics

Nominal pressure	6 bar
Operating pressure range	NW 1.3: 0–10 bar NW 2.5: 0-7 bar
Nominal flow	NW 1.3: 37 l/min NW 2.5: 150 l/min

Actuation

Electrical	Direct	
Voltage type	Alternating current (50/60Hz)	Direct current

Nominal voltage

– Standard version	230 V ±10%	24 V ±10%	other voltages on request
– Low wattage version	230 V ±10% (not for V9-NW 2.5)	24 V ±10% (not for V9-NW 2.5)	

Initial power consumption

– Standard version	NW 1.3: 11 VA NW 2.5: 11.5 VA	NW 1.3: 4.8 VA NW 2.5: 10 VA
– Low wattage version	7.8 VA	2.7 VA

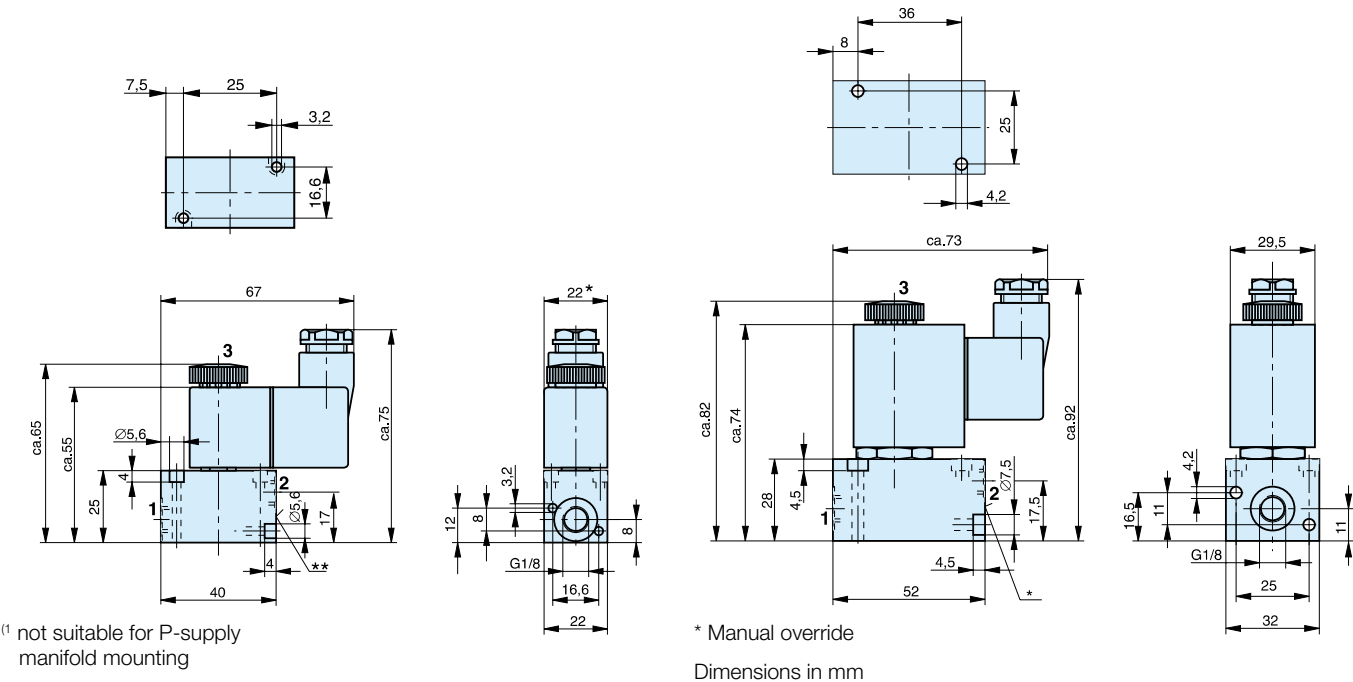
Continuous consumption

– Standard version	NW 1.3: 8.5 VA NW 2.5: 7.5 VA	NW 1.3: 4.8 VA NW 2.5: 7.5 VA
– Low wattage version	4.9 VA	2.7 VA

Duty cycle	100%	
Electrical protection	IP 65 to DIN 40050 (applise only to solenoid with connector)	
Connection	NW 1.3: connector to DIN EN 175301-803 form B – industrial standard NW 2.5: connector to DIN EN 175301-803 form A – industrial standard	

Type: V9 381RF-1/8NG (NO⁽¹⁾)– NW 1.3
Type: V9 381H-RF-1/8NG (NO⁽¹⁾)– NW 1.3

Type: V9 381RF-1/8NG – NW 2.5
Type: V9 381H-RF-1/8NG – NW 2.5



Order Instructions – 3/2 Way Valves – Series V9

Actuation System	Symbol	Nominal Size (mm)	Order Instructions Type	Order code
Electrical, by permanent signal		NW 1.3	V9 381RF-1/8-NC-..	PA 10362-..33
		NW 2.5	V9 381RF-1/8-NC-..	PA 10369-..33
		NW 1.3	V9 381H-RF-1/8-NC-..	PA 10363-..33
		NW 2.5	V9 381H-RF-1/8-NC-..	PA 10370-..33
		NW 1.3	V9 381H-RF-1/8-NO-..	PA 10367-..33

Solenoid version	Nominal voltage	Applicable for	Key code
Standard version	230V 50/60Hz	110 V =	61
	24V =	48V 50/60Hz	02
Low wattage version	24V =		13
	230V 50/60Hz		69

Other voltages on request

Order Instructions – Accessories for P-Supply Manifold Mounting

Description	for NW	Order No.
P-Manifold PL-1/8-..	1.3	PD32763-....*
P-Manifold PLK-1/8-..	1.3	PD37174-....*
P-Manifold PL-1/4-..	2.5	PD32765-....*
P-Manifold PLK-1/4-..	2.5	PD32175-....*

* Complete order no. with no. of valve

The delivery includes:
P-Manifold complete incl. mounting kit