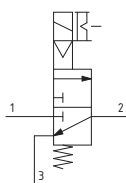
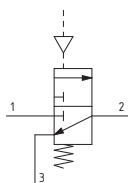
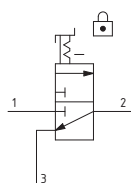


Shut off valves (VL - VP - VE)


- ▶ 3/2 N.C. shut off valve
- ▶ Suitable for system downstream pneumatic feeding or exhaust
- ▶ Manual, pneumatic and electropneumatic operation available
- ▶ Up to 3 off manual operation lockable device available (closed position)
- ▶ Atex certification (II 2GD or II 3GD)



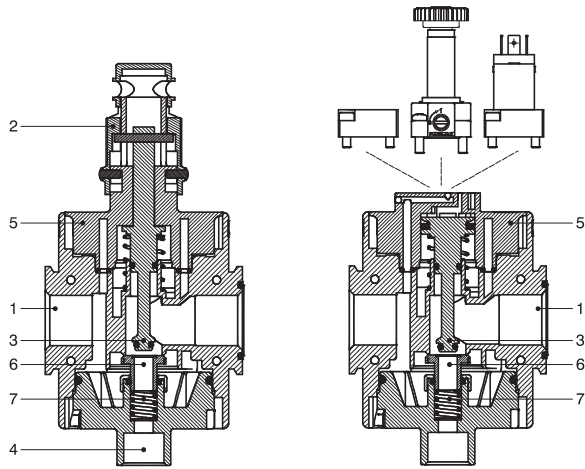
Technical characteristics					
Size		Size 1	Size 2	Size 3	Size 4
Body and connections type		Technopolymer body, integrated technopolymer connections (T version)			/
		Technopolymer body, metal connections (N version)			
		/	Aluminium body, integrated aluminium connections (P version)		
Operated type		Manual			
		Pneumatic			
		Electropneumatic			
IN / OUT connections	T version	G1/4"	G3/8"	G1/2"	not available
	N version	G1/8" - G1/4" - 1/4" NPT	G3/8" - G1/4" - 3/8" NPT	G3/8" - G1/2" - 1/2" NPT	
	P and L versions	not available	G3/8"	G1/2"	
Pilot ports size		G1/8			
Exhaust connection		G1/4"	G3/8"		G1/2"
Assembly configuration		Stand alone			
		/			Panel mounted
Assembly positions		Indifferent			
Max. fittings torque IN / OUT connections	G1" metal	/			35Nm
	G1/2" metal	/			30Nm
	G1/4" metal	20Nm			/
	G1/8" metal	15Nm	/	/	
	G3/8" metal	25Nm			
	G1/2" technopolymer	/	/	22Nm	
	G1/4" technopolymer	9Nm	/	/	
	G3/8" technopolymr	/	16Nm	/	

Operational characteristics								
Size	Size 1	Size 2	Size 3	Size 4	Size 1	Size 2	Size 3	Size 4
Operator	Manual				Pneumatic / Solenoid			
Maximum working pressure	13 bar			10 bar	10 bar			
Minimum working pressure	0,5 bar				2,5 bar			
Working temperature	-5 °C ... +50 °C				-5 °C ... +50 °C			
	/	30°C ... +80°C (only for P version) -40°C ... +80°C (only for L version)			/	-30°C ... +80°C (only with metal body and pneumatic version) -40°C ... +80°C (only with metal body and pneumatic version)		
Nominal flow rate at 6 bar with Δp=1 (from 1 to 2)	1400 NI/min	2200 NI/min	3600 NI/min	15000 NI/min	1400 NI/min	2200 NI/min	3600 NI/min	15000 NI/min
Exhaust nominal flow rate at 6 bar with Δp=1 (from 2 to 3)	550 NI/min	1500 NI/min	3600 NI/min	3600 NI/min	550 NI/min	1500 NI/min	3600 NI/min	3600 NI/min
Un-conveyed exhaust nominal flow rate (from 2 to 3)	1000 NI/min	2500 NI/min	5000 NI/min	5000 NI/min	1000 NI/min	2500 NI/min	5000 NI/min	5000 NI/min

Weights						
Size			Size 1	Size 2	Size 3	Size 4
Operator	Manual	Technopolymer body version	110 g	190 g	250 g	/
		Aluminium body version	/	270 g	400 g	1100 g
	Electropneumatic	Technopolymer body version	99 g	181 g	270 g	/
		Aluminium body version	/	265 g	398 g	1135 g
	Solenoid M2 actuator	Technopolymer body version	140 g	210 g	310 g	/
		Aluminium body version	/	298 g	429 g	1170 g
	Solenoid 15mm coil	Technopolymer body version	140 g	216 g	310 g	/
		Aluminium body version	/	301 g	432 g	1180 g

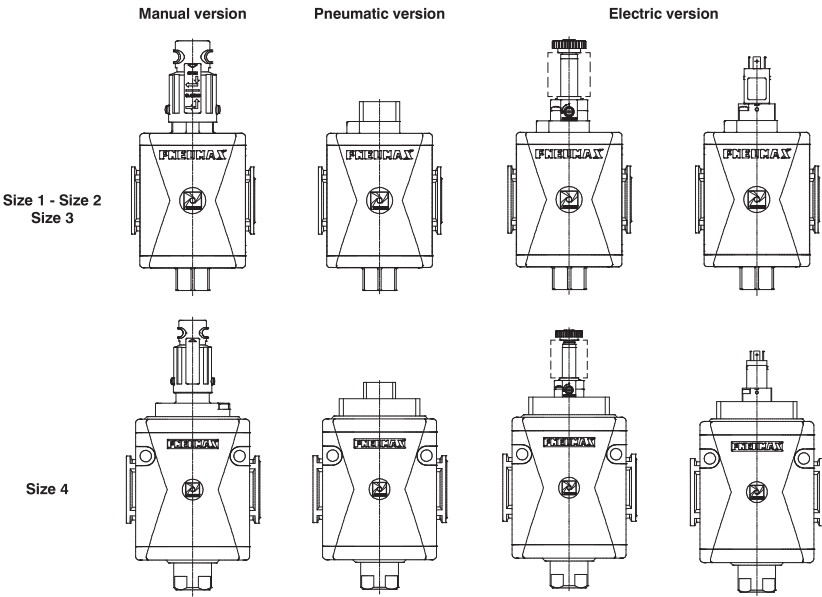


Materials
Exploded sectioned



Shut off valve		
1	Body	Polyamide Die-cast aluminium
2	Manual override	Polyamide
3	Drive pin Piston	Aluminium
4	Exhaust plug	Polyamide
5	Central support	Polyamide
6	Poppet	Brass + NBR
7	Repositioning spring	Steel

Design



Coding: **V17TVAA**

V	VERSION
	N = Technopolymer body and metal inserts (not available for size 4)
	T = Technopolymer body and thread (not available for size 4)
	P = Aluminum body (not available for size 1)
T	L = Aluminium body, low temperature (not available for solenoid version and size 1)
	SIZES AND CONNECTIONS
	1A = Size 1 - G1/8" only for N version
	1B = Size 1 - G1/4" only for T - N versions
	1C = Size 1 - 1/4" NPT only for N version
	2A = Size 2 - G1/4" only for N version
	2B = Size 2 - G3/8" for all versions
	2C = Size 2 - 3/8" NPT only for N version
	3A = Size 3 - G3/8" only for N version
	3B = Size 3 - G1/2" for all versions
A	3C = Size 3 - 1/2" NPT only for N version
	4B = Size 4 - G1" only for P - L versions
	OPERATOR
	L = Manual
	P = Pneumatic
	E = Solenoid

Example: **T173BVEA5**: Size 3 electric shut off valve G1/2", 15 mm coil, 24VDC

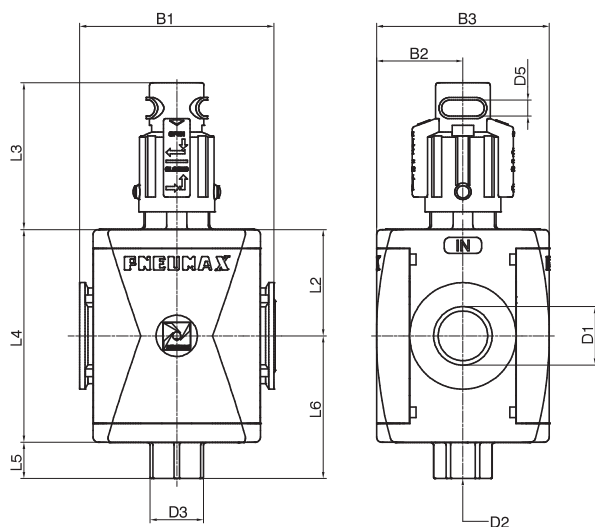
O	COIL OPTIONS
	15 mm coil
	A4 = 12 VDC
	A5 = 24 VDC
	A6 = 24 VAC (50-60 Hz)
	A7 = 110 VAC (50-60 Hz)
	A8 = 230 VAC (50-60 Hz)
	A9 = 24 VDC (1 Watt)
	22 mm coil
	B2 = Mechanical M2, without coil
	B4 = 12 VDC
	B5 = 24 VDC
	B6 = 24 VAC (50-60 Hz)
	B7 = 110 VAC (50-60 Hz)
	B8 = 230 VAC (50-60 Hz)
	B9 = 24 V DC (2 Watt) (Atex certification not available)
	30 mm coil
	C5 = 24 VDC
	C6 = 24 VAC (50-60 Hz)
	C7 = 110 VAC (50-60 Hz)
	C8 = 230 VAC (50-60 Hz)
	C9 = 24 V DC (2 Watt) (Atex certification not available)

Dimensions

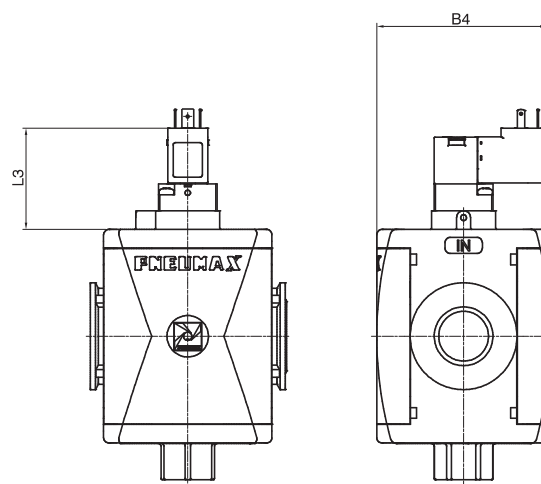
2

AIR TREATMENT

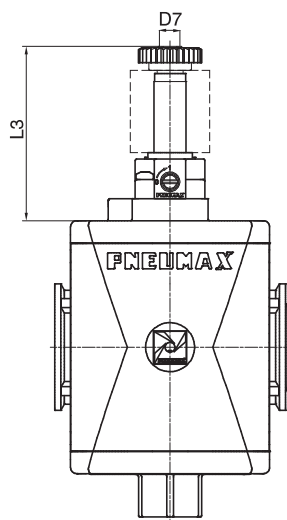
Manual operated version



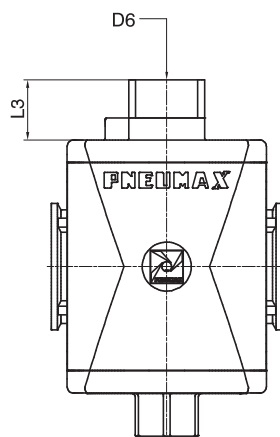
Solenoid operated version (15 mm coil)



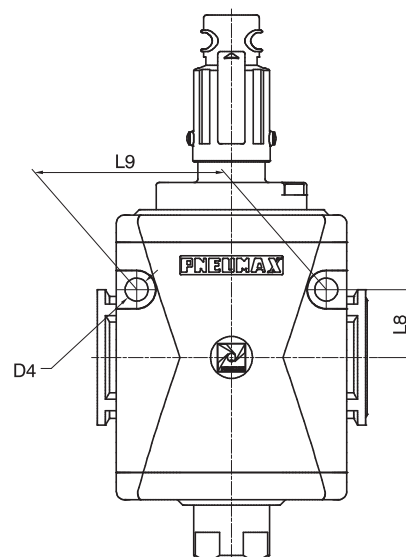
Solenoid operated version
(22 / 30 mm coil)



Pneumatic operated version



Fixing holes dimension detail
(only for size 4)



Model	B1	B2	B3	B4	D1	D2	D3	D4	D5	D6	D7	L2	L3	L3	L3	L3	L4	L5	L6	L8	L9
													Manual	Pneumatic	Solenoid coil 22 or 30mm	Solenoid 15mm coil					
#171..	48	21	42	52	G1/8" G1/4" 1/4 NPT	G1/4"	Ch.17	/	6	G1/8"	M5	27,5	55	19	57	37.5	55	11	38.5	/	/
#172..	62	28.5	57	59.6	G1/4" G3/8" 3/8 NPT	G3/8"	Ch.20	/	6	G1/8"	M5	34	54.2	22	60	40.3	68	14	48	/	/
#173..	73	32.5	65	63.6	G3/8" G1/2" 1/2 NPT	G3/8"	Ch.20	/	6	G1/8"	M5	40	55	19	57	37.4	80	14	54	/	/
#174..	99	44	88	75	G1"	G1/2"	Ch.25	8.5	6	G1/8"	M5	52.5	71.5	27	67	45.5	105	22	74.5	25	70