

## High Vacuum Valves, TAV 50

Maximize the efficiency of your high vacuum system with automatic valve



The TAV 50 automatic valves maximize the efficiency of your high vacuum system. Because the valves can be opened and closed automatically, the vacuum is always concentrated on the connections, extraction points or machines in operation at the time. This maximizes the power of extraction, produces lower operating costs and minimizes the size of the vacuum unit.

### Description of ATEX versions

Depending on the variant and the application area, many of the TAV 50 units are marked according to the ATEX Directive with the EX symbol and equipment category. All TAV 50 variants with the EX symbol are category 3D equipment according to Directive 2014/34/EC. That means that these variants can be placed in zone 22 pursuant to Directive 1999/92/EC. The manually controlled TAV 50 MA is suitable for installation within the classified area (zone 22) even though it is not marked with the EX symbol. Manually controlled equipment does not fall under Directive 2014/34/EC (ATEX), so this valve is not marked with the EX symbol. Other valves without the EX symbol (W, G and AC/DC valves) are not suitable for ATEX and so should not be installed within the classified area. See table of part numbers below, where EX is included in the name, to see which are suitable for the classified area. the EX symbol.

- Lower operating costs and smaller vacuum equipment
- Lower noise level on the premises
- Conductive plastic material

Product name	High Vacuum Valves, TAV 50
Installation	Indoor
Material	Conductive plastic
Max vacuum (kPa)	50
Operating temperature range	0° to +40°C (32 F to 104 F)
Diameter (mm)	51
Length (m)	51
Note	Min/Max compressed air pressure 0,5/1,0 MPa. Recommended 0,6 - 0,7 Mpa










# High Vacuum Valves, TAV 50

Image	Description	Model
	TAV 50 MV-W, Control from a welding torch by a sensor ring	40060110
	TAV 50 MV-G, Control from electric tools	40060120
	TAV 50 FV/MV-W, Control from pneumatic tools and/or a welding torch by a sensor ring	40060140
	TAV 50 MA, Manual Valve	40147020
	TAV 50 PC EX, Compressed air control EX	40147030*
	TAV 50 FV EX, Control from pneumatic tools	40060100
	TAV 50 FV/MV 24V DC EX, Compressed air control or 24 VDC control	40147040*
	TAV 50 MV 24V AC/DC, 24 VDC control	40147050
	TAV 50 MV 230V AC EX, 230 VAC control EX	40147060
	TAV 50 MV 24V DC EX, 24 VDC control EX	40147071
	TAV 50 FV/MV 24V AC/DC, 24 VDC control from electric and/or pneumatic tools	40147090*
	TAV 50 FV/MV 230V AC EX, 230 VAC control from electric and/or pneumatic tools	40147100*
	TAV 50 MV 115V AC EX, 115 VAC control EX	40147110
	TAV 50 FV/MV 115V AC EX, 230 VAC control from electric and/or pneumatic tools EX	40147120*

\*Min/Max compressed air pressure 0,5/1,0 MPa. Recommended 0,6 - 0,7 Mpa

## High Vacuum Valves, TAV 50

	Accessory	Part No
	3-Port valve. 3/2-port pneumatic control valve (rocker) for control of single-action cylinder. Suitable for TAV 50 PC. Set includes couplings and hose (6/4 mm, 25 m).	40680280
	Pneumatic activator for TAV 50 FV and TAV 50 FV/MV valves. Activates the valve and enables applications other than extraction from pneumatic or electric tools, such as floor cleaning.	40190010
	Choke valve for delayed closure of TAV 50 FV and TAV 50 FV/MV valves. Max. delay: 10 seconds, G1/8" thread.	40617910
	Choke valve for delayed closure of TAV 50 MV valves. Max. delay: 3 seconds, M5 thread.	40617520
	TAV 50 Mounting kit	40375151
	Junction box strain relief	40720010
	Junction box	40720830
	Wire Connector 2,5 mm <sup>2</sup> , 1-pole.	40730170
	Hose (25m), PVC, for compressed air	40650021
	Pilot cable 2x0,75mm <sup>2</sup> PVC L=100m	40730403
	Pilot cable 3x0,75mm <sup>2</sup> PVC L=100m	40730404
	Flow sensing valve P low flow	40146252
	Pneu. activator kit for TAV50	40377160