

High Vacuum Valves, TAV 100/150

Manual and automatic valves to maximize the efficiency of your high vacuum system.



The TAV 100 and TAV 150 valves are mainly used as shut-off valves in the main branches of the pipework 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 maximises the power of extraction, produces lower operating costs and minimizes the size of the vacuum unit.

Description of ATEX models

Depending on the variant and the application area, many of the TAV 100 and TAV 150 units are marked according to the ATEX Directive with the EX symbol and equipment category. All TAV 100 and TAV 150 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 100 MA and TAV 150 MA are suitable for installation within the classified area (zone 22) even though they are not marked with the EX symbol. Manually controlled equipment does not fall under Directive 94/9/EC (ATEX), so these valves are not marked with the EX symbol.

Other valves without the EX symbol (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.






Product name	High Vacuum Valves, TAV 100/150
Installation	[Indoor]
Max vacuum (kPa)	50
Max pressure (kPa)	1000
Operating temperature range	0° to +40°C (32 F to 104 F)
Max vacuum (kPa)	



High Vacuum Valves, TAV 100/150

Description	Diameter (mm)	[model]
TAV 100 MA, manual open/close	100	40146010
TAV100 PC EX, Pneumatic open/close	100	40146030
TAV 150 MA manual open/close	150	40146040
TAV 150 PC EX, Pneumatic open/close	150	40146060
TAV 100 MV 230V AC EX, Solenoid valve operated	100	40146080
TAV 100 MV 24V DC EX, Solenoid valve operated	100	40146082
TAV 100 MV 115V AC EX, Solenoid valve operated	100	40146083
TAV 150 MV 230V AC EX, Solenoid valve operated	150	40146100
TAV 150 MV 24V AC/DC, Solenoid valve operated	150	40146101
TAV 150 MV 24V DC EX, Solenoid valve operated	150	40146102
TAV 150 MV 115V AC EX, Solenoid valve operated	150	40146103

High Vacuum Valves, TAV 100/150

	[accessory]	[partno]
	Pressure pilot switch for automatic start/stop with TAV 100 and TAV 150.	40141780
	5/2-port pneumatic control valve (rocker) for control of double-action cylinder. Suitable for TAV 100 and TAV 150. Set includes couplings and hose (6/4 mm, 25 m).	40680250
	Hose (25m), PVC, for compressed air	40650021
	Wire Connector 2,5 mm ² , 1-pole.	40730170
	Pilot cable 2x0,75mm ² PVC L=100m	40730403
	Pilot cable 3x0,75mm ² PVC L=100m	40730404
	Electric time delay box	40780331