



Technical data

- The compressed air supply must be dry and clean (according to standard ISO 8573-1).
- Recommended pressure: 0,6-0,7 MPa (6-7 bar)
- Max. pressure: 1,0 MPa (10 bar)
- Min. pressure (for safe operation): 0,5 MPa (5 bar)
- Working temperature: 0° +40°C
- Connection: 102 mm and 150 mm, respectively.

Automatic and Manual Valves for High Vacuum Installations, Ø 100 and 150 mm

Application

The TAV 100 and TAV 150 valves are used mainly as shut-off valves in the main pipe system.

Description of ATEX models

Depending on model and application, several of the TAV 100 and TAV 150 valves are marked according to the ATEX directive with the EX marking and have a category marking. All TAV 100 and TAV 150 marked with the EX marking are category 3D equipment according to directive 94/9/EC. This means that these models may be placed in areas classified as zone 22 according to directive 1999/92/EC.

Manually operated equipment does not fall under the scope of the directive 94/9/EC (ATEX). Even though the TAV 100 MA and TAV 150 MA are not marked with the EX marking, they are highly suitable for use in areas classified as zone 22 and share the same high level of protection as the TAV 100 and TAV 150 with EX marking.

Valves that do not have the EX marking (AC/DC valves) are not suitable for ATEX and may not be installed in classified areas. See table below with part numbers, where "EX" is included in the description, for an overview of which valves are suitable for classified areas.

Accessories

Denomination	Description	Article number
AS-set	AS-set with micro switch for automatic start/stop of the vacuum unit. Suitable for TAV 100/150 MA.	40141550
Pressure Switch	"Pressure switch for automatic start/stop of the vacuum unit. Suitable for TAV 100/150 PC and MV models. NOTE! Does not fit MA models."	40141780
Toggle valve 5/2	5/2 port pneumatic valve for pneumatic control of double acting cylinders. Suitable for TAV 100 and 150. The kit includes nipples and compressed air hose (6/4 mm, 25 m).	40680250

Article numbers TAV 100

Article number	Description
40146082	TAV 100 MV 24V DC EX
40146081	TAV 100 MV 24V AC/DC
40146083	TAV 100 MV 115V AC EX
40146080	TAV 100 MV 230V AC EX
40146030	TAV 100 PC EX
40146010	TAV 100 MA

Article numbers TAV 150

Article number	Description
40146102	TAV 150 MV 24V DC EX
40146101	TAV 150 MV 24V AC/DC
40146103	TAV 150 MV 115V AC EX
40146100	TAV 150 MV 230V AC EX
40146060	TAV 150 PC EX
40146040	TAV 150 MA

NOTE! All valves require micro switches, the AS-set (option) for automatic start/stop of the vacuum unit.