

# 2" 1/2 "Méga-SUPERVENTIX"™

safety relief valve

"PED" CE97/23 approved - type 1110260000

## Installation sheet

2" 1/2 "Méga SUPERVENTIX"™  
safety relief valve

### SERVICE CONDITIONS

The pressure relief valve is designed to be installed on pressurized tanks static or transportation application. The main functions of the relief valve is to quickly evacuate the over pressure of the tank specially in case of fire, the high flow capacity of the valve allow this quick flow relief (refer to specification sheet for flow rate values).

The valve operates as follow :

The pressure setting is 1,1 x tank pressure service,

This pressure setting is got by the spring set compression on the pressure plate.

When the set pressure is reached, the pressure plate translates and the over pressure is evacuated, then where the pressure balance is reached the pressure plate closes.

In case of high pressure increase, the pressure plate translation is about 20 mm to open a maximum of surface to allow a high flow evacuation.

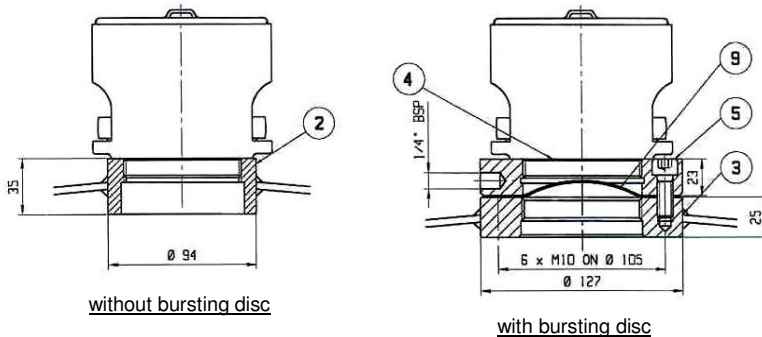
The set pressure range is 0,5 to 7,4 bar. Service temperature -40° to 150°C.

A vacuum relief function can also be added and set from 0,05 to 0,21 bar.

### INSTALLATION ON THE TANK

*The relief valve should be installed in protected area where there is no risk for an operator to be in contact with the gas or liquid when valve opens in case of overpressure in the tank.*

Store "Méga-SUPERVENTIX" safety relief vent valve in original packaging safe from dust and shocks.



The thread of this valve is 2 1/2" cylindrical gas type (BSP). The leakproof face of the valve is machined with a rounded bottom spiral groove (STOCK FINISH). The mounting flange must be machined in identical or similar fashion.

### ASSEMBLY

Make sure the "Méga-SUPERVENTIX" safety relief vent valve is compatible with the working pressure of the tank.

Remove the protective cap from thread G 2 1/2" (BSP).

When filter is provided, it is temporarily attached to the valve to facilitate removal. At this stage of the assembly, remove the filter.

Make sure no dirt or grit has remained on the receiving flange and gasket and that the threads are clean and grit and grime free.

Manually screw on the valve with gasket and keep turning until firmly tight using a pin wrench.

**Tightening torque required : 20 daN.m max.**

Put filter back in on junction of filter connection in front of body lug (indicated on "JUNCTION GAUZE"). Tighten the filter bolts (open-end on pipe wrench 7 mm).

### OPERATION

The "Méga-SUPERVENTIX" safety relief vent valve is now operational.

The valve can be sealed to the tank using the wiring clamps located on the valve cover. The valve opens in case of over pressure.