1" (ND25) SAFETY RELIEF VALVE
DOUBLE ACTING PRESSURE AND/OR VACUUM SRV
YAK VXS2M

SAFETY RELIEF VALVE

INSTALLATION

STORAGE

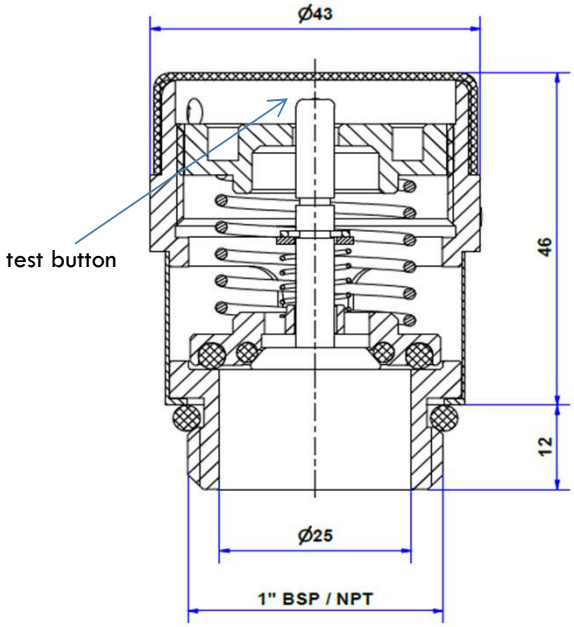
Keep the "YAK VXS2" safety relief valve in original packaging, until ready to use. It will prevent the valve from dust and will protect it againts potential impacts. The weldin flange must be machined BSP or NPT as per Safety Relief Valve.

OPERATING

The pressure relief valve is designed to be installed on pressurized tanks up to maximum allowable working pressure (MAWP) of 4 Bar. The material used are 1.4409 & 1.4404 316L stainless steel. Before installing the valve, always check the fluid compatibility. The YAK VX™ 1" safety relief valve is designed to protect tanks against accidental over-pressure and/or excessive vacuum depending on the chosen options. The vacuum setting range is from -0,015 Bar to -0,3 Bar and the pressure setting range is from 0,07 Bar to 2 Bar.

This pressure or vacuum setting is obtained by compression of the spring set on the pressure plate. When the set pressure is reached, the pressure poppet opens and allows the over pressure to be evacuated, then when the pressure balance is reached the pressure poppet closes. In case of high pressure increase, the pressure poppet fully opens to allow a high flow evacuation.
When a vacuum is created into the tank, the vacuum poppet slides down, opens and allows air to come into the tank avoiding tank implosion.

On valve with vacuum, press the test button top part of the vacuum poppet on the figure to evacuate air pressure or air vacuum inside the tank.



ASSEMBLY

The relief valve should be installed in a protected area to avoid operators to be in contact with the fluid when overpressure and opening of the valve.
Before installing the relief valve, Ensure that the Inlet flange and valve are clean; free from dirt and grit.
Place the valve in 1" BSP tank pad and screw it manually until seal and flange are in contact (connection depending on the valve model). Tighten to a torque equal to 40 N.m with a spanner of 40mm (remove the protection cap if necessary and do not forget to replace it afterwards)
Check that the o'ring is correctly compressed, no leak should occur between flange and gasket when tank is pressurized.
Seal the YAK to the flange by welding a steel wire. The cable goes through the holes of the yak and the proctection cap.

PEROLO SAS, 69 Rue des Maçons, 33390 Blaye, FRANCE -Phone : + 33 (0)5 5742 67 00 - Email : sales@perolo.com