1 1/2" (ND40) SAFETY RELIEF VALVE
DOUBLE ACTING PRESSURE AND VACUUM SRV
YAK VXS4 & VXP4(PED)

SAFETY RELIEF VALVE

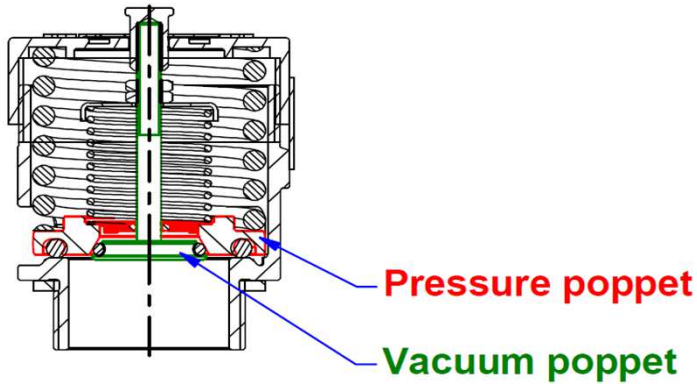
INSTALLATION

STORAGE

Keep the "YAK" 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 (PRV) is designed to be installed on pressurized tanks up to maximum available working pressure 4 Bar. The material used are 1.4408 & 1.4404 stainless steel, please check the fluid compatibility. The YAK VX™ 1 1/2" 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 -0,02 Bar to -0,8 Bar and the pressure setting range is from 0,09 Bar to 4.4 bar.
Check the compatibility between safety relief valve material and fluid before operating.
This pressure or vacuum setting is got by the spring set compression on the pressure plate.When the set pressure is reached, the pressure poppet opens and allows the over pressure to be evacuated, then where the pressure balance is reached the pressure poppet closes. In case of high pressure increase, the pressure poppet translates and open a maximum of surface 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.



ASSEMBLY

Before assembly check the PRV set pressure is compatible with tank MAWP and the carried cargo compatible with PRV material.
The coverlid protects the operator in case of valve opening. Nevertheless the relief valve should be installed in protect area where there is no risk for an operator to be in contact with the gas or liquid when valve opens in case of over pressure in the tank.
Before installing, the relief valve check there is no dirt or dust on both valve and flange threads. Tighten to a torque equal to 40Nm with 46 mm spanner on a 1 1/2" BSP tank pad 46mm (or 1 1/2" NPT depending on your YAK VX model). Check the PTFE gasket is correctly compressed, no leak should occur between flange and gasket area when tank is pressurized.

ITEM	DESCRIPTION	SPECIFICATION	PART N°
1	Weld-in flange	External Ø 85mm, internal 1.5 "BSP, thickness 17mm, 316L/1,4404	11 92 16 00 00

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