

**INSTALLATION**

**STORAGE**

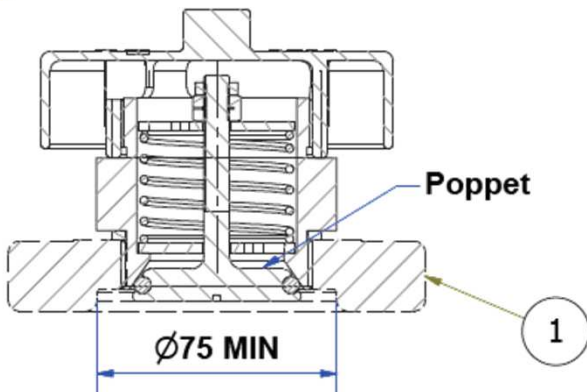
Keep the "YAK VX" safety relief valve in original packaging, until ready to use. This prevents ingress of dust and protects against impact damage. The leak proof face of the valve has a serrated surface. The mounting flange must be machined in identical or similar fashion.

**OPERATING**

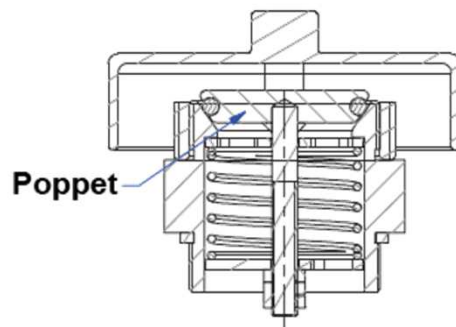
The pressure relief valve (PRV) is designed to be installed on pressurized tanks up to maximum available working pressure 4 Bar. The material used are 1.4408 & 1.4404 316 stainless steel, please check the fluid compatibility. The YAK VX™ 2" safety relief valve is designed to protect tanks against accidental over-pressure or excessive vacuum. The vacuum setting range is from -0.02 Bar to -0.8 Bar and the pressure setting range is from 0.02 Bar to 3.0 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. For Pressure valve (drawing on the left) : When the set pressure is reached, the pressure plate opens and allows the over pressure to be evacuated, then where the pressure balance is reached the pressure plate closes. In case of high pressure increase, the pressure plate translates to open a maximum of surface to allow a high flow evacuation. For Vacuum valve (drawing on the right) : When a vacuum is created into the tank, the poppet slides down, opens and allows air to come into the tank avoiding tank implosion.



Vacuum settings (poppet is at the bottom)



Pressure settings (poppet is on)

**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 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 over pressure in the tank. Before installing, the relief valve check there is no dirt or dust on both valve and flange threads (to avoid any sizing during installation). Tighten to a torque equal to 50 N.m with a 65 mm spanner on a 2" BSP tank pad (or 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 130mm, internal 2 "BSP, thickness 21.5mm, 316L/1.4404	11 90 44 00 00