

**MAINTENANCE**

**VALVE INSTALLED ON THE TANK**

1. Check the tank pressure is lower than the service pressure.
2. Go to the area where the valve is installed.
3. Remove the cap to have a visual check on the poppet seal.
4. Check no leak exists between the poppet seal and the seat, this check can be done with leakage detection fluid. If a leak exists, follow next points to dismantle the relief valve for further maintenance.

**REMOVE THE VALVE FROM THE TANK**

This operation is done to change the valve for further checking

1. Before any operation, check there is no pressure in the tank.
2. Unscrew the YAK VX from the flange using a 65mm spanner, remove the valve.
3. Plug the hole in the flange with a blind cap to protect the tank from dust.

Further valve disassemble should be done in a workshop.

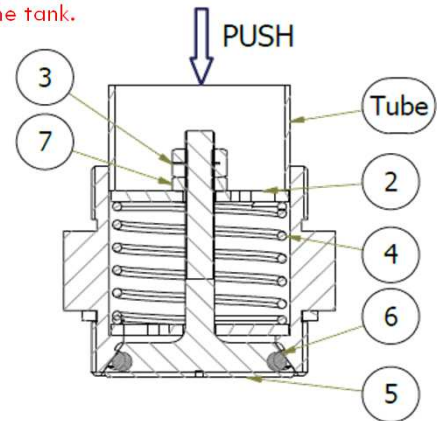
**RELIEF VALVE DISASSEMBLY**

We recommend this operation every **two years**.

**CAUTION : the springs load can achieve 70 daN, when tightening nut on the poppet is removed the springs can violently relief this preload.**

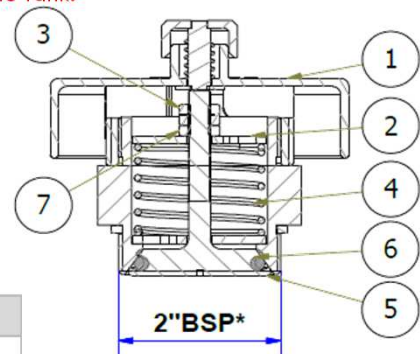
**For Pressure valve :** **CAUTION : cap must be installed when valve is fitted on the tank.**

1. Remove screwed cap
2. Install the valve under a shop press, push with a tube on the spring retainer plate (2) to maintain spring compressed.
3. Remove the nut (7) and the counter nut (3)
4. Release slowly pressure on the press to relieve the spring (4).
5. Remove spring (4), plate (2) and poppet (5).
6. Replace poppet seal (6) by a new one. Heat new o'ring in hot water before installing it around poppet groove.
7. Reassemble the valve.



**For Vacuum valve :** **CAUTION : cap must be installed when valve is fitted on the tank.**

1. Remove the cap (1)
2. Push on plate (2) to relief spring (4).
3. Remove the nut (7) and the counter nut (3)
4. Remove spring (4), plate (2) and poppet (5).
5. Replace poppet seal (6) by a new one. Heat new o'ring in hot water before installing it around poppet groove.
6. Reassemble the valve.



Designation	Part Number
5 x FEP/Silicone poppet seal	17 10 11 93 00
5 x Viton poppet seal	17 10 11 91 00

### SET PRESSURE RIGGING

The valve is installed on a test rig. The pressure is measured with a manometer precision class 0,5.

The leakage is detected with leak test fluid at pressure seal interface.

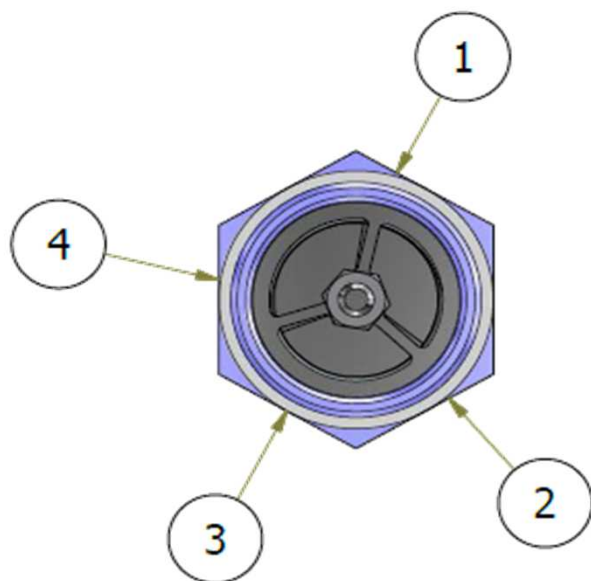
1. Slowly increase the pressure. When first bubbles appear at pressure plate seal, note the pressure.

2. Adjust the counter nut to get the set pressure.

If set pressure can not be achieved easily, we recommended to change the spring set (4).

Once pressure and vacuum have been tested and set, the relief valve is ready to operate on the tank.

### BODY MARKING (For VXS5 & VXP5)



	MARKING	EXAMPLE
Face 1	Product:	YAK VX
	Connection:	2" BSP (or 2" NPT)
	Seal material:	Silicon
	Reference:	VXS5BFV21FZCG
Face 2	Type of valve:	Vacuum valve
Face 3	Setting:	0.21 bar
	Serial number:	253211

### PED ADDITIONNAL BODY MARKING ( For VXP5 Only )

**Body marking is only made on PED approved safety relief valve (when reference starts with VXP)**

European conformity (Lloyd's)	CE - 0094
Nominal diameter and section	DN50 S=1 385 mm <sup>2</sup>
Working pressure	PS : -0.8bar / 3Bar
Working temperature	TS : - 40° / +...°C
Group 1 for dangerous goods	Fluid : Group 1
Material	1.4408
Test pressure	PT : 4.5Bar
Setting date	DATE: DD/MM/YY

