

## 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. 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 check

1. Before any operation, check there is no pressure in the tank.
2. Unscrew the YAK VX from the flange using a 46mm spanner, remove the valve.
3. Plug the hole in the flange with a blind cap to protect the tank from dust.  
Further valve disassembly should be done in a workshop.

### RELIEF VALVE DISASSEMBLY

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

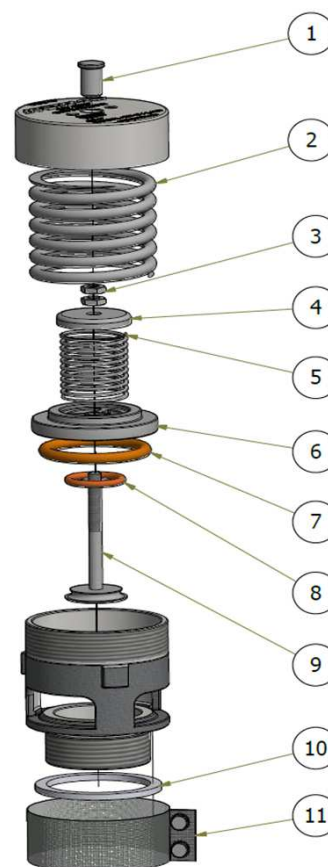
**CAUTION** : the springs load can achieve 37 daN, when tightening nut on the poppet is removed the springs can violently relief this preload.

1. Remove screwed cap (use a special tool to avoid any risk)
2. Remove the pressure spring (2)
3. Remove the vacuum assembly
4. Unscrew and remove the small nuts (3) from vacuum assembly
5. Remove the vacuum spring (5)
6. Remove the pressure poppet seal (7) and vacuum poppet seal (8)

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

ITEM	QTY	DESIGNATION	PART N°
1	1	Vacuum test button	17 10 10 91 00
2	1	Spring set press. 1,95b	17 10 10 98 00
6,7	1	Pressure poppet kit for Pres&Vac or Vac SRV	17 10 10 92 00
7	1	Pressure O'ring (FEP/Si)	17 10 10 93 00
7	5	Pressure O'ring (FEP/Si)	17 10 11 93 00
8	1	Vacuum O'ring (FEP/Si)	17 10 10 94 00
-	1	Vacuum kit (spring at -0,21b) Nr 3, 4, 5, 8, 9	17 10 10 95 00
10	1	Setting gasket Composite/PTFE	17 10 10 96 00
10	5	Setting gasket Composite/PTFE	17 10 10 99 00
11	1	Flame proof gauze kit	17 10 10 97 00

For other settings, please contact our sales team:  
Email: [sales@perolo.com](mailto:sales@perolo.com)  
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### SET PRESSURE RIGGING

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

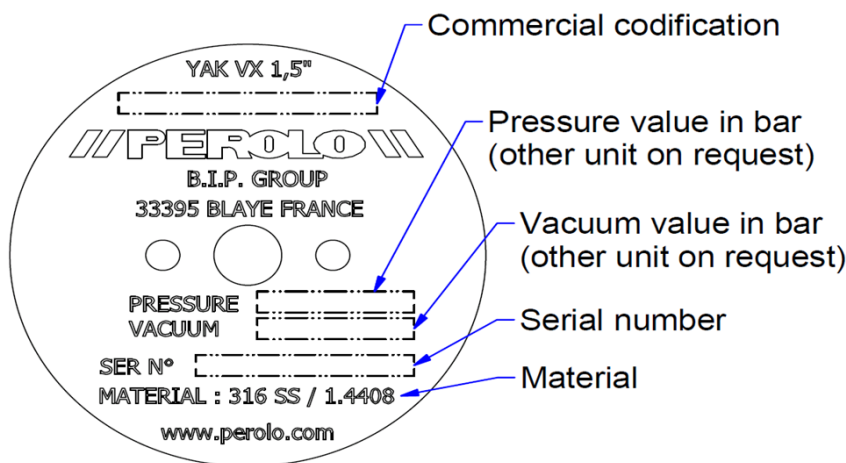
The leakage is detected with leak test fluid at pressure seal interface.

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 (2). (See page 1 for item references). Only PEROLO provided spring sets should be installed.

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

### BODY MARKING (For VXS4 & VXP4)



### PED ADDITIONNAL BODY MARKING ( For VXP4 Only )

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

