

MAINTENANCE

VALVE INSTALLED ON THE TANK

1. Make sure tank pressure is lower than service pressure.
2. Check if there is any leak between the poppet seal and the seat using leak test fluid at pressure seal interface
If a leak exists, follow next points to remove dismantle the relief valve for further maintenance.

REMOVE THE VALVE FROM THE TANK

Make sure the tank is without pressure

1. Unscrew the YAK VX from the flange using a spanner of 40mm, and remove the valve.
2. Plug the tank pad 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 it must be done in a workshop

CAUTION : the springs load can achieve 15 daN, so that when cap is removed the springs can violently be ejected.

1. Remove protection cap (5)
2. Remove the welded sealing on top of the coverlid with pliers
3. Unscrew the coverlid (4) with a pliers and remove the pressure spring (13)
4. Remove the pressure/ vacuum assembly (7+8+9+10+11+12+3)
5. Remove the clips (3) from vacuum assembly
6. Remove the washer (9) and the vacuum spring (12) and vacuum poppet (8)
7. Remove the pressure poppet seal (10) and vacuum poppet seal (11)
(use a sharp pointed instrument. Be careful not to damage the sealing face)

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

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. Make sure the valve is properly reassembled with the coverlid correctly screwed into the body
2. For the first pressure setting test, screw the coverlid just below the 4 holes on the body of the YAK. Then screw or unscrew the cap until the suitable setting pressure. (NB make sure the holes remain available for sealing - check 6)
3. Slowly increase the pressure. When first bubbles appear at pressure plate seal, note the pressure. If this is not the case, screw or unscrew the coverlid
4. If set pressure can not be achieved, we recommended to change the spring set (12) or (13).
5. When pressure setting is complete, seal the cap with a stainless steel wire spot welded between cap and body.
6. Put the protection cap on top of the YAK and seal the YAK to the flange by welding a cable. The cable goes through the holes of the yak and the protection cap.
7. The valve is now ready to operate on the tank

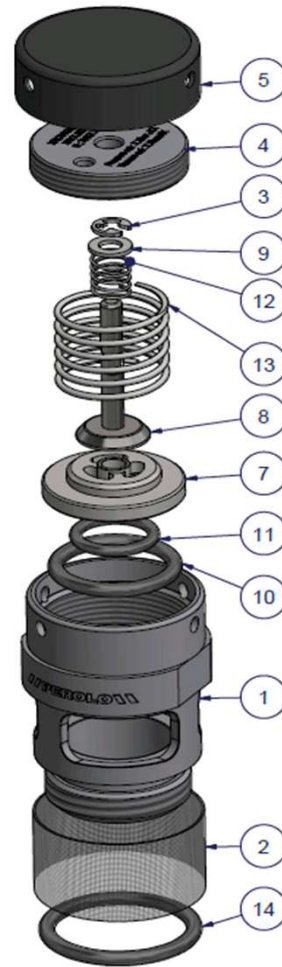
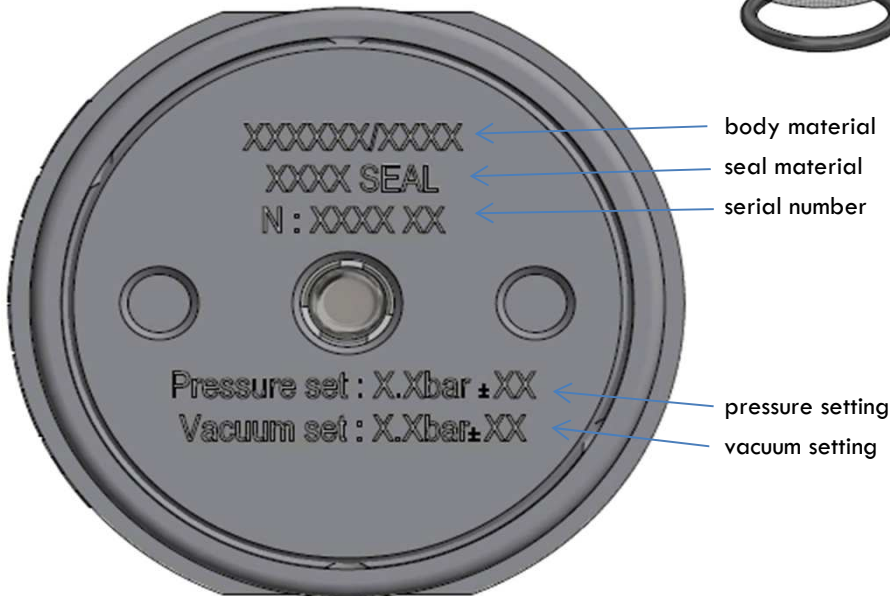
1" (ND25) SAFETY RELIEF VALVE

DOUBLE ACTING PRESSURE AND/OR VACUUM SRV YAK VXS2M

ITEM	QTY	DESIGNATION	PART N°
Pressure O'ring*:			
10	1	O'ring (FKM/Viton Tcoat)	17 10 35 00 11
10	1	O'ring (EPDM)	70 10 01 05 16
10	1	O'ring (FEP/Silicone)	70 10 17 00 71
Vacuum O'ring*:			
11	1	O'ring (FKM/Viton Tcoat)	17 10 35 00 10
11	1	O'ring (EPDM)	70 10 01 05 12
11	1	O'ring (FFKM/Kalrez)	70 10 01 93 18
Setting gasket*:			
14	1	O'ring (FKM/Viton)	70 10 01 02 22
14	1	O'ring (EPDM)	70 10 01 05 22
14	1	O'ring (FEP/Silicone)	70 10 15 00 22
Poppet, Gauze & Cap:			
7	1	Pressure poppet (P&V)	17 10 35 00 01
7	1	Pressure poppet (P only)	17 10 35 01 01
8	1	Vacuum poppet	17 10 42 00 03
2	1	Flame proof gauze	17 10 35 00 06
8	1	Protection cap	17 10 35 00 07

* seal material is marked on the coverlid

BODY MARKING (Exemple)



WORKING TEMPERATURE DEPENDING ON O'RING		
Material	T° min (°C)	T° max (°C)
FEP/Silicon	-40	+200
FKM/Viton Tcoat	-15	+200
FFKM	-30	+200
EPDM	-40	+150
Other on request		