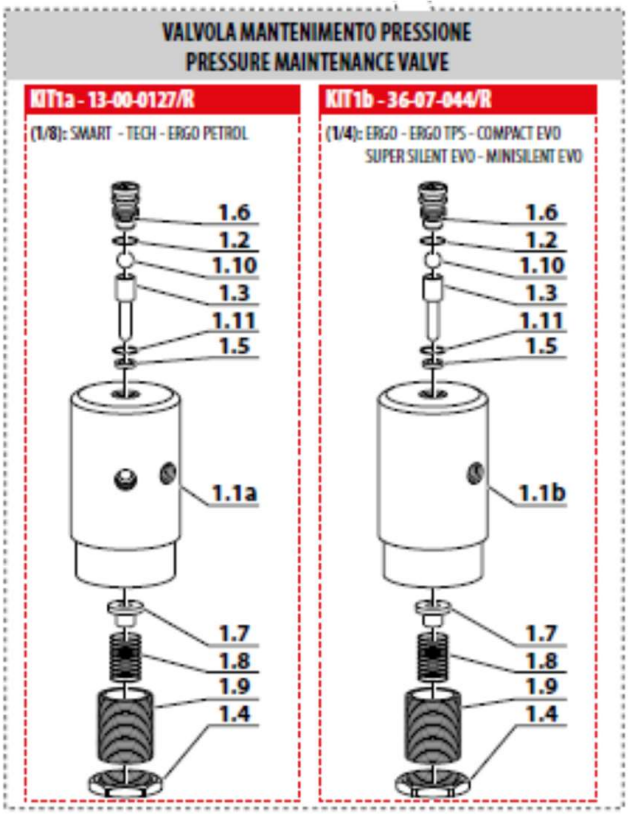
Nuvair®
Compressed Gas Solutions

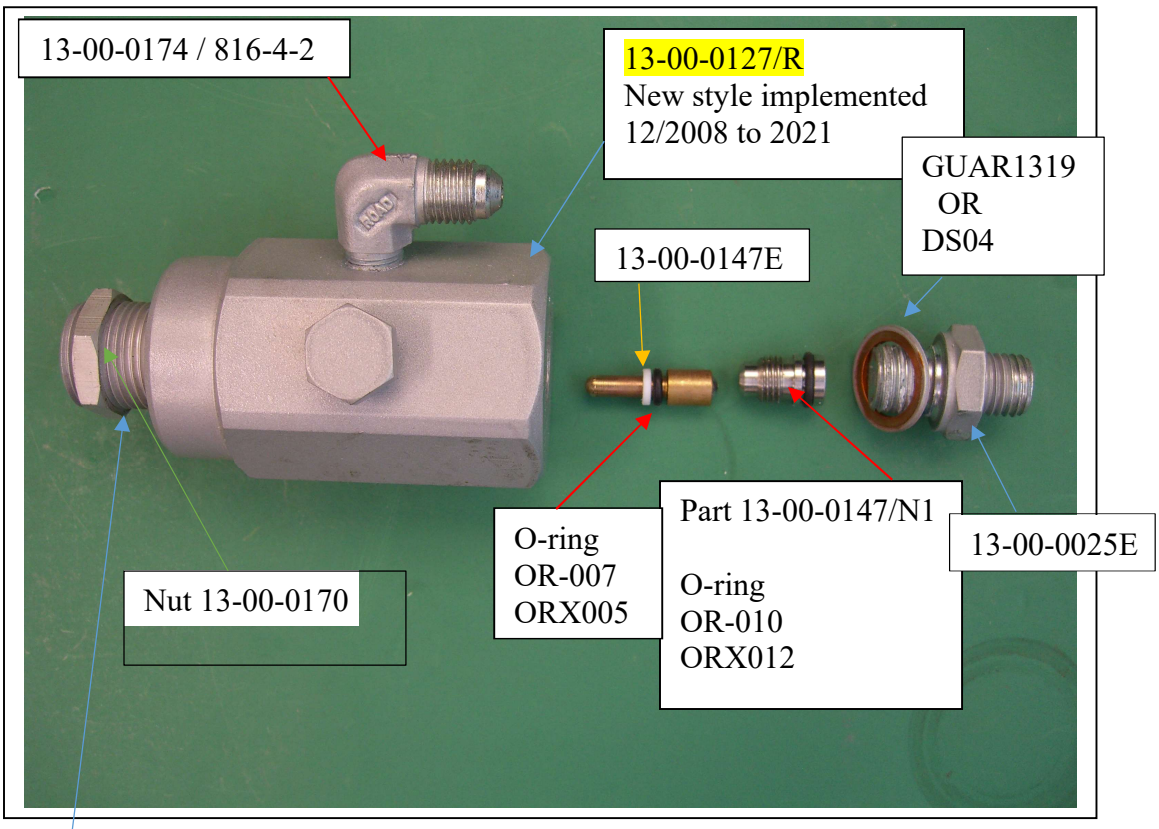
PRESSURE MAINTAINING VALVE
13-00-0127/R · 2008 New



RIF. POS.	Q.TÀ Q.TY	CODICE CODE	DESCRIZIONE	DESCRIPTION
KIT1a	1	13-00-0127/R	VALVOLA DI MANTENIMENTO 1/8	MANTAINING PRESSURE VALVE 1/8
1.1a	1	13-00-0127	CORPO VALV. MANTENIMENTO 1/8NPT	MAINTENANCE VALVE BODY 1/8 NPT
1.2	1	OR-2025/90	O-RING NBR 90SH (6,07x1,78)	O-RING NBR 90SH (6,07x1,78)
1.3	1	13-00-0149-N	PISTONE VALVOLA MANTENIMENTO	MAINTENANCE VALVE PISTON
1.4	1	13-00-0147/D/N	DADO VALV. MANT. PRESSIONE ALL. M20X1,5	VMP NUT M20X1,5
1.5	1	13-00-0147E	RONDELLA TEFLON PER PISTONE VMP	TEFLON RING VMP PISTON
1.6	1	13-00-0147/N1	VITE VALVOLA MANTENIMENTO	MAINTENANCE VALVE SCREW
1.7	1	13-00-0157	DISTANZIALE MOLLA PISTONE VPM	VMP PISTON SCREW SPACER
1.8	1	13-00-0166	MOLLA VALVOLA SICUREZZA E VMP	SAFETY VALVE SPRING AND VMP
1.9	1	13-00-0151/N	BUSSOLA M20X1.5	VMP CAP M20X1.5
1.10	1	13-00-0148	SFERA INOX Ø5 VMP	INOX BALL Ø5 VMP
1.11	1	OR-2015/90	O RING 2015 NBR 90 (3,69X1,78) X VMP	O RING 2015 NBR 90 (3,69X1,78) X VMP

KIT1b	1	36-07-044/R	VALVOLA DI MANTENIMENTO 1/4	MANTAINING PRESSURE VALVE 1/4
1.1b	1	36-07-044	CORPO VALV. MANTENIMENTO 1/4NPT	MAINTENANCE VALVE BODY 1/4 NPT
1.2	1	OR-2025/90	O-RING NBR 90SH (6,07x1,78)	O-RING NBR 90SH (6,07x1,78)
1.3	1	13-00-0149-N	PISTONE VALVOLA MANTENIMENTO	MAINTENANCE VALVE PISTON
1.4	1	13-00-0147/D/N	DADO VALV. MANT. PRESSIONE ALL. M20X1,5	VMP NUT M20X1,5
1.5	1	13-00-0147E	RONDELLA TEFLON PER PISTONE VMP	TEFLON RING VMP PISTON
1.6	1	13-00-0147/N1	VITE VALVOLA MANTENIMENTO	MAINTENANCE VALVE SCREW
1.7	1	13-00-0157	DISTANZIALE MOLLA PISTONE VPM	VMP PISTON SCREW SPACER
1.8	1	13-00-0166	MOLLA VALVOLA SICUREZZA E VMP	SAFETY VALVE SPRING AND VMP
1.9	1	13-00-0151/N	BUSSOLA M20X1.5	VMP CAP M20X1.5
1.10	1	13-00-0148	SFERA INOX Ø5 VMP	INOX BALL Ø5 VMP
1.11	1	OR-2015/90	O RING 2015 NBR 90 (3,69X1,78) X VMP	O RING 2015 NBR 90 (3,69X1,78) X VMP

1600 Beacon Place · Oxnard CA 93033 USA
Phone +1.805.815.4044 · Fax +1.805.486.0900 · info@nuvair.com



The pressure maintaining valve needs to be tested and or reset after assemble. Failure to set the valve, may lead to death, sever injury and catastrophic compressor failure.

Close the manual drains but be ready to open the drains if the pressure exceeds 1200 psi to 2000 psi.

Turn on the compressor without the hose connected or scuba yoke fully open. You must run the compressor for two (2) minutes to build the pressure in the filter tower. Watch the third stage pressure gauge or gauge on top of the condensate tower to see where it stops. The air will start escaping before 1200 psi but the full volume should not escape until 1800 psi. The back pressure should be 1800 psi. If the pressure is over 2000 psi turn part 1.9 counterclockwise. To bring the pressure up, turn end with Allen wrench clockwise and set the locking nut against part 1.9 to get the right setting.

Reattach the hose to your bank or close the scuba yoke after the pressure has drained.

Rebuild:

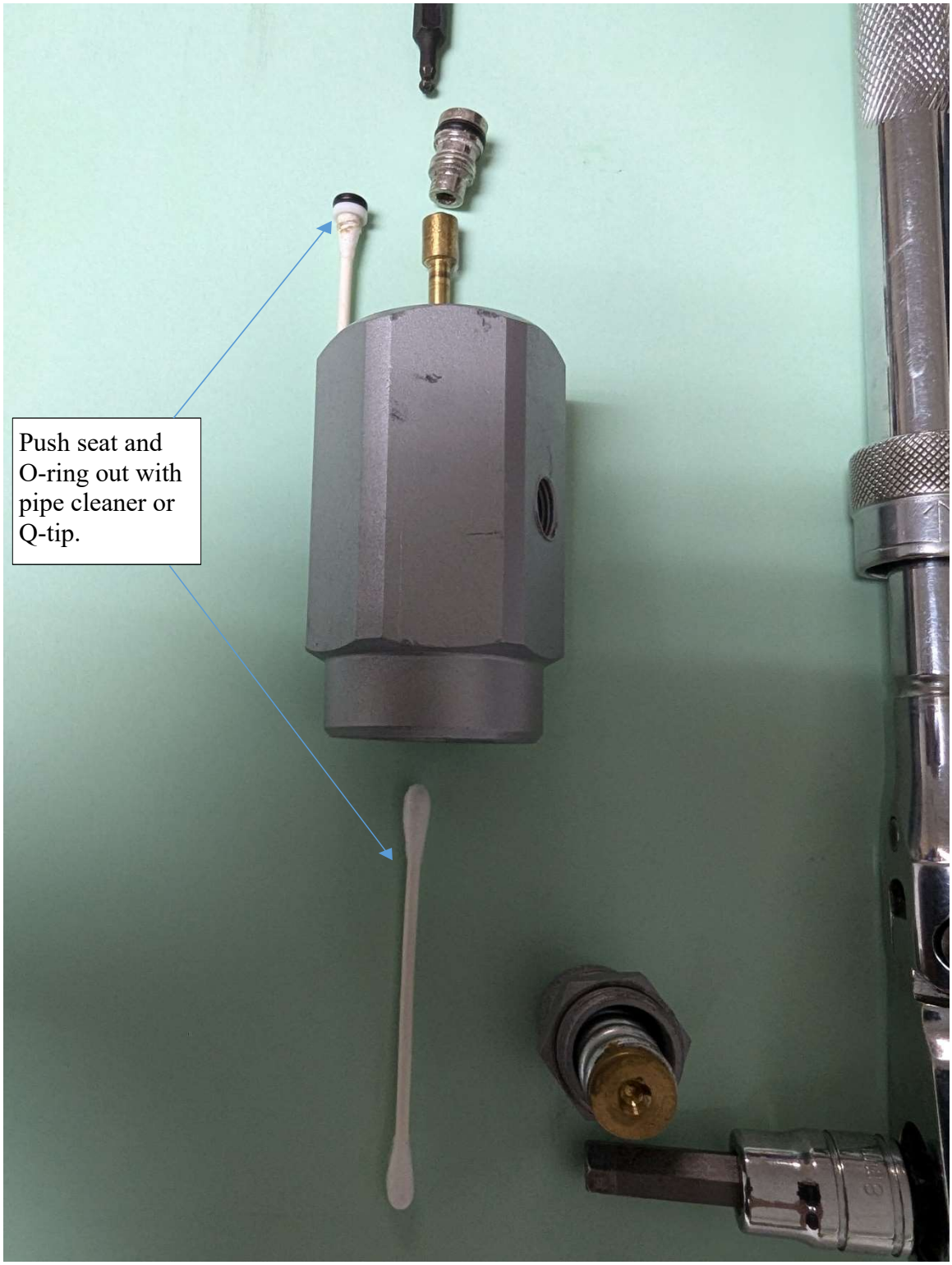
Loosen lock nut on bottom, Remove bottom with Allen wrench.

Remove stainless line above valve and fitting from block.

Remove part Part 6-05-015H with 3mm Allen wrench.

Push piston out the top with Allen wrench.

Make sure washer and O-ring come out. May need to be pushed out with pipe cleaner.


Push seat and O-ring out with pipe cleaner or Q-tip.

If you need to bypass the check valve follow the following directions.
Wear safety glasses!
Your compressor will no longer turn off automatically!

1. Turn off storage tanks.
2. Open all three (3) manual drains.
3. Drain line pressure at fill panel.
4. Remove hose.
5. Remove fitting 13-00-0174 from pressure maintaining valve.
6. Remove hard pipe above pressure maintaining valve and fitting at the top of the tower.
7. Insert part 13-00-0174 with Teflon tape on threads into the top of the tower.
8. Connect hose!
9. Start compressor.
10. Close all three (3) drains.
11. Open storage tank valves.
12. Watch pressure ensure you do not pump higher than the lowest rated system component.