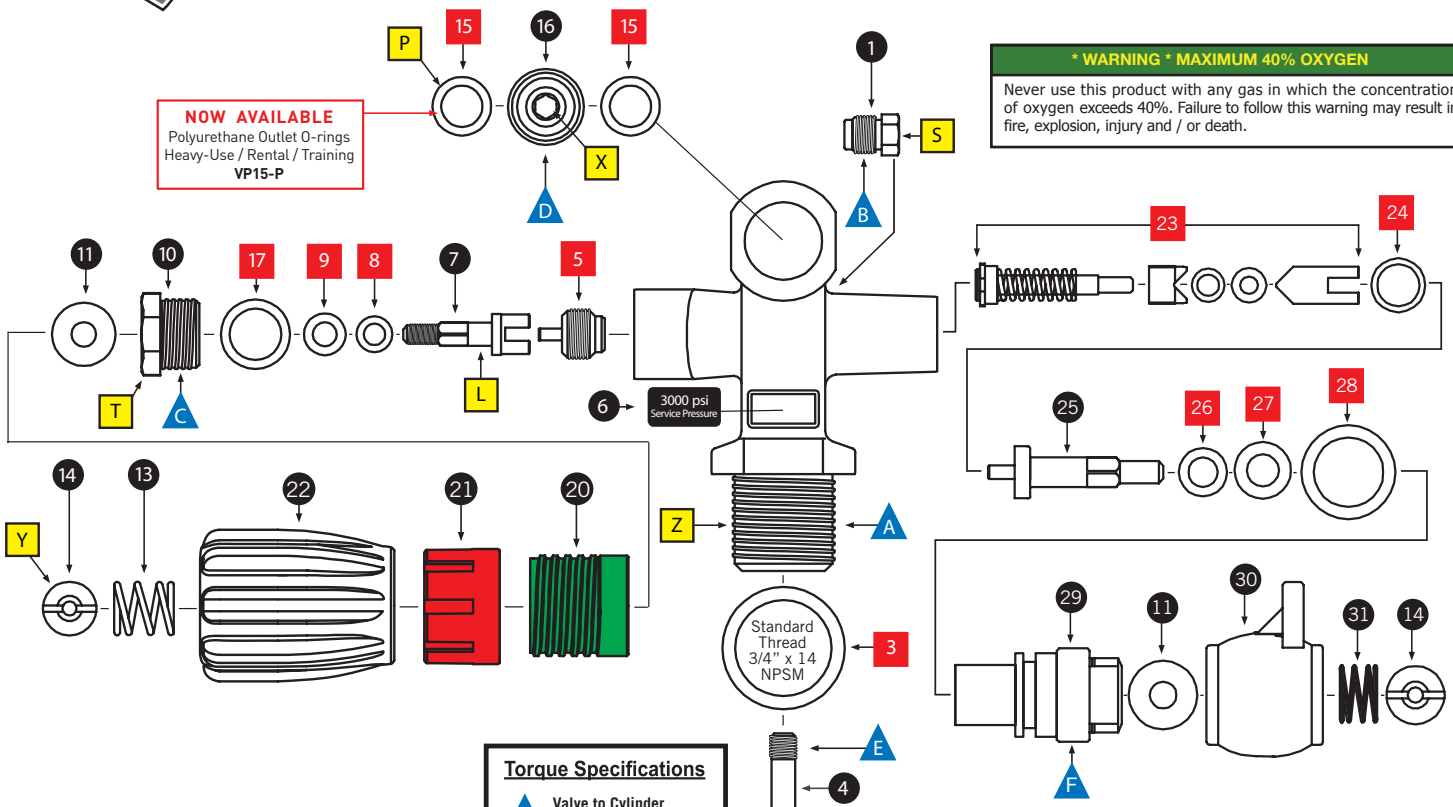
RESERVE "J" VALVE
EXPLODED VIEW



*** WARNING * MAXIMUM 40% OXYGEN**

Never use this product with any gas in which the concentration of oxygen exceeds 40%. Failure to follow this warning may result in fire, explosion, injury and / or death.

Torque Specifications

- **A** Valve to Cylinder: 50 to 75 foot pounds
- **B** Safety Assembly: 80 inch pounds
- **C** Bonnet: 400 inch pounds
- **D** DIN Insert: 85 inch pounds
- **E** Dip Tube: 40 inch pounds
- **F** Reserve Bonnet: 400 inch pounds

SAFETY HANDWHEEL

The Safety Handwheel is designed for use with only XS Scuba valves. It is not designed for use with any other manufacturer's valves. It provides a positive visual indicator that the valve is in the fully open position prior to diving.

Assembly

1. Install / torque Bonnet 10
2. Turn the valve to completely off position
3. Place Teflon Washer 11 over threaded end of stem
4. Place Green Sleeve 20 over Bonnet 10
5. Screw Red Sleeve 21 onto Green Sleeve 20
6. Stop when Red Sleeve 21 completely covers Green Sleeve 20
7. Install Handwheel 22 Spring 13 & Nut 14 as normal
8. Check function - 100% off = 100% red - 100% on = 100% green

Service Kit - J Valve Main Side Only

Part # VKX-P
Dealer 8.00

3 5 8 9 15 15 17

Service Kit - J Valve Reserve Side Only

Part # VKX-J
Dealer 12.00

23 24 26 27 28

Service Notes:

- **L** Lightly lubricate with Christo-Lube MCG-111 part number TL108
- **P** Remove o-rings without damaging parts using brass pick - part number TL111
- **S** Replace Safety Assembly with 3/8" torque wrench at least once every five years at hydro test date & any time it is removed from the valve body
- **T** Use 11/16" torque wrench for correct tightening
- **W** Install and remove dip tube with 5/32" hex wrench
- **X** Install and remove the DIN insert with 1/4" hex wrench
- **Y** Remove and install nut with slotted screwdriver p/n TL113 Tighten nut until top of stem is flush with nut
- **Z** During service, support the valve by installing it in an empty cylinder

#	Part #	Description	Dealer
1	VP01-20	Safety Assembly 2015 psi (3358 burst)	4.00
1	VP01-22	Safety Assembly 2250 psi (3750 burst)	4.00
1	VP01-24	Safety Assembly 2400 psi (4000 burst)	4.00
1	VP01-30	Safety Assembly 3000 psi (5000 burst)	4.00
1	VP01-33	Safety Assembly 3300 psi (5500 burst)	4.00
1	VP01-34	Safety Assembly 3442 psi (5250 burst)	4.00
3	VP03-V	O-ring - Viton (3/4" NPSM Inlet)	1.00
4	VP04	Dip Tube	2.00
5	VP05	Seat	4.00
6	VP01S-20	Sticker - 2015 psi	0.25
6	VP01S-22	Sticker - 2250 psi	0.25
6	VP01S-24	Sticker - 2400 psi	0.25
6	VP01S-30	Sticker - 3000 psi	0.25
6	VP01S-33	Sticker - 3300 psi	0.25
6	VP01S-34	Sticker - 3442 psi	0.25
7	VP07	Stem	4.00
8	VP08-E	O-ring - EPDM (Stem)	1.00
9	VP09	Teflon Washer (Stem)	1.00
10	VX10	Bonnet - XS Scuba	4.00
11	VP11	Teflon Washer (Handwheel)	1.00
13	VP13	Spring	1.00
14	VP14	Nut	2.00
15	VP15-V	O-ring - Viton (Outlet)	1.00
15	VP15-P	O-ring - Polyurethane (Outlet)	1.50
16	VP16-V	DIN Insert with both o-rings Viton	7.50
17	VX17-E	O-ring EPDM (Bonnet)	1.00
20, 21	VX20	Safety Handwheel Green Sleeve and Safety Handwheel Red Sleeve *only sold in pairs*	10.00
22	VX22	Safety Handwheel Black Knob	10.00
23	VP23	Reserve Assembly	8.00
24	VP24	SS Washer	1.00
25	VP25	Reserve Stem	6.00
26	VP08-E	O-ring	1.00
27	VP09	Washer	1.00
28	VX17-E	O-ring	1.00
29	VP29-PVD	Reserve Bonnet	10.00
30	VP30	Reserve Lever	10.00
31	VP31	Reserve Spring (color black)	3.00

rev. 12/17