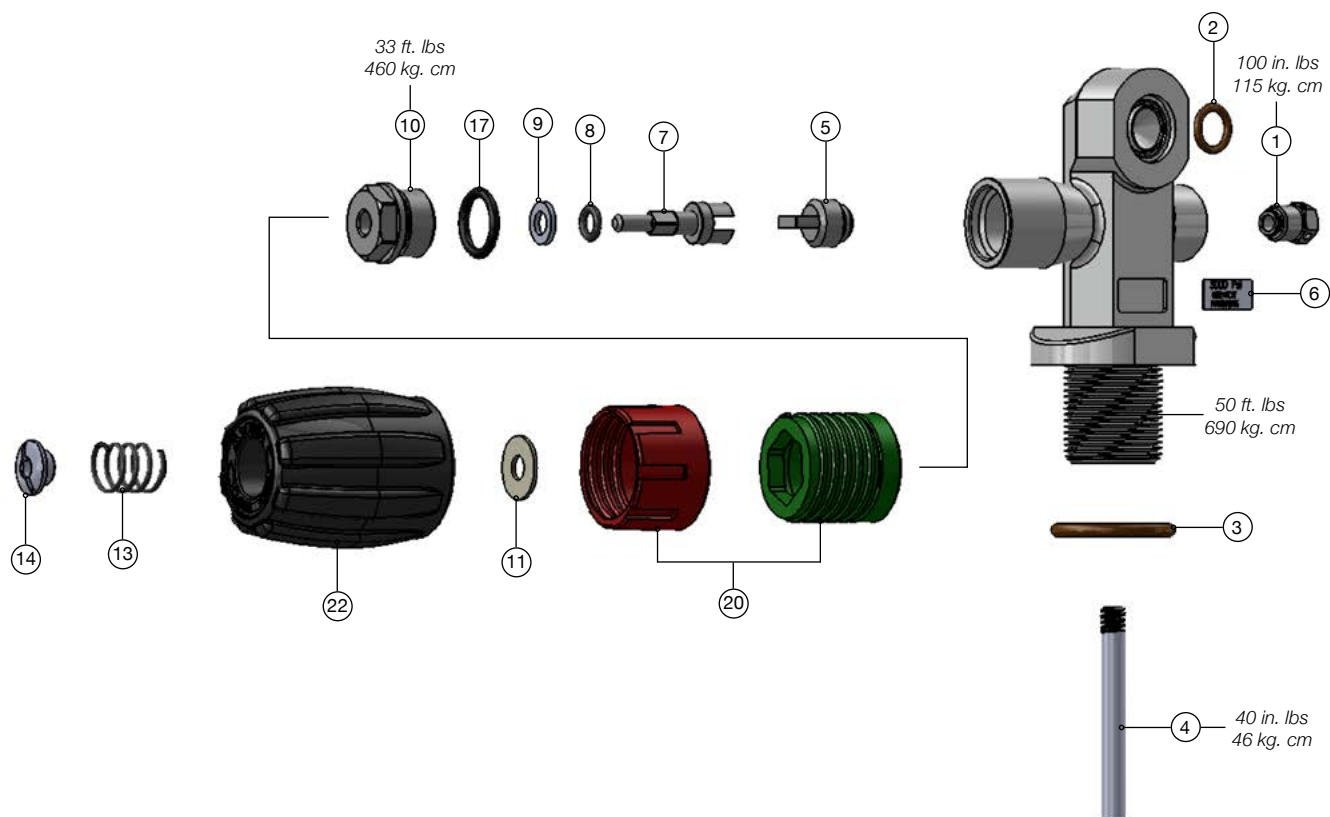




**VALVES / MANIFOLDS
EXPLODED DIAGRAMS**



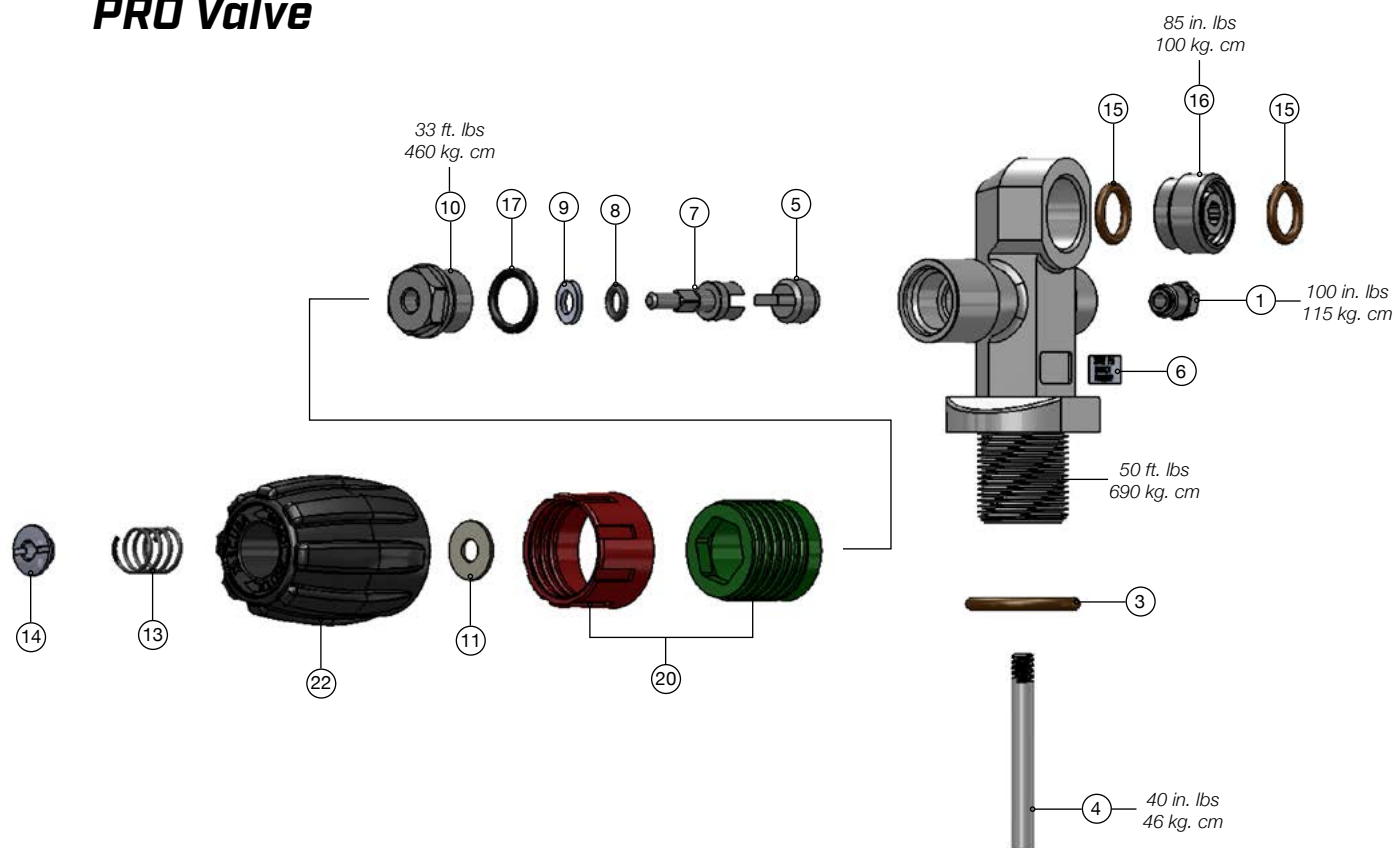
Deluxe K Valve



#	Part #	Description	#	Part #	Description
VKX-K			SERVICE KIT - XS SCUBA DELUXE K VALVE		
1	VP01-20	Safety Assembly 2015 psi (3358 burst)	6	VP01S-30	Sticker - 3000 psi
1	VP01-22	Safety Assembly 2250 psi (3750 burst)	7	VP07	Stem
1	VP01-24	Safety Assembly 2400 psi (4000 burst)	8	VP08-E	O-ring - EPDM (Stem)
1	VP01-30	Safety Assembly 3000 psi (5000 burst)	9	VP09	Teflon Washer (Stem)
2	VP02-B	O-ring - BunaN (Outlet)	10	VX10	Bonnet - XS Scuba
2	VP02-V	O-ring - Viton (Outlet)	11	VP11	Teflon Washer (Handwheel)
2	VP02-P	O-ring - Polyurethane (Outlet)	13	VP13	Spring
3	VP03-B	O-ring - BunaN (3/4" NPSM Inlet)	14	VP14	Nut
4	VP04	Dip Tube	17	VX17-E	O-ring EPDM (Bonnet)
5	VP05	Seat	20	VX20	Safety Handwheel Green Sleeve & Safety Handwheel Red Sleeve
6	VP01S-20	Sticker - 2015 psi	22	VX22	Safety Handwheel Black
6	VP01S-22	Sticker - 2250 psi	Part numbers in bold italics are standard replacement parts		
6	VP01S-24	Sticker - 2400 psi			

XS[®] SCUBA

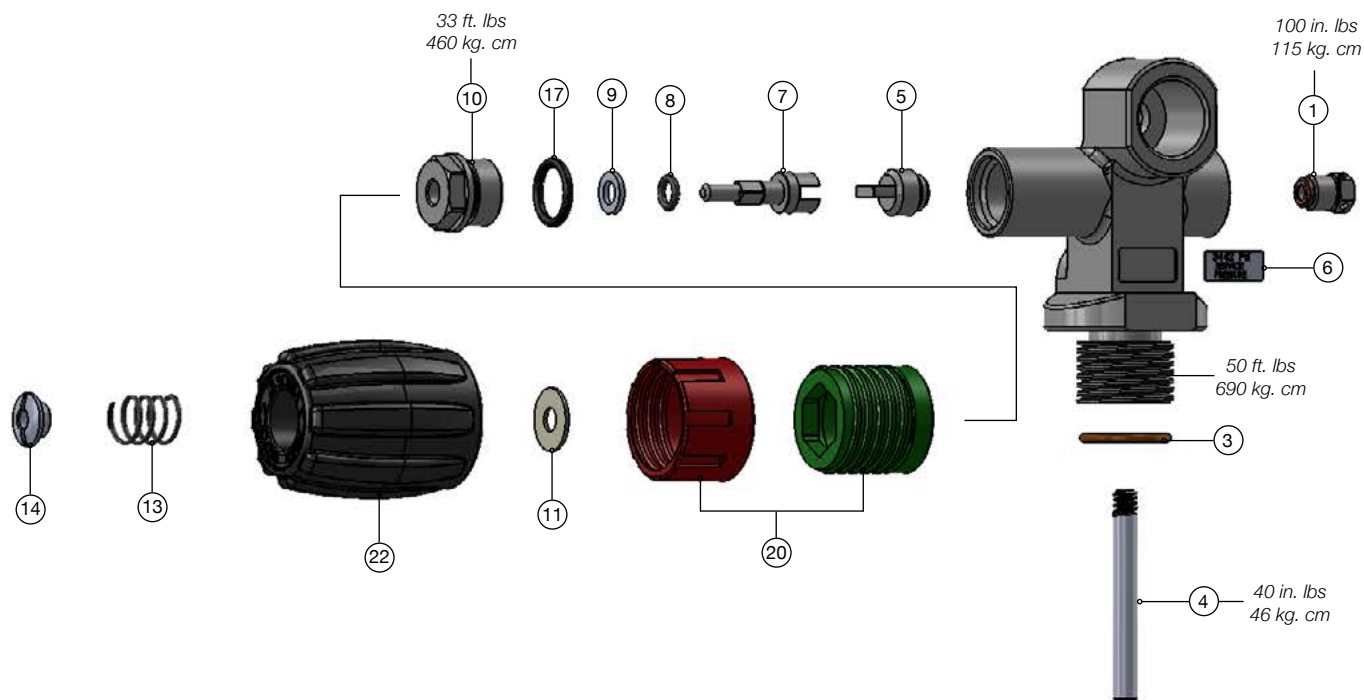
PRO Valve



#	Part #	Description	#	Part #	Description
VKX-P			SERVICE KIT - XS SCUBA PRO VALVE		
1	VP01-20	Safety Assembly 2015 psi (3358 burst)	7	VP07	Stem
1	VP01-22	Safety Assembly 2250 psi (3750 burst)	8	VP08-E	O-ring - EPDM (Stem)
1	VP01-24	Safety Assembly 2400 psi (4000 burst)	9	VP09	Teflon Washer (Stem)
1	VP01-30	Safety Assembly 3000 psi (5000 burst)	10	VX10	Bonnet - XS Scuba
1	VP01-34	Safety Assembly 3442 psi (5250 burst)	11	VP11	Teflon Washer (Handwheel)
3	VP03-V	O-ring - Viton (3/4" NPSM Inlet)	13	VP13	Spring
4	VP04	Dip Tube	14	VP14	Nut
5	VP05	Seat	15	VP15-V	O-ring - Viton (Outlet)
6	VP01S-20	Sticker - 2015 psi	15	VP15-P	O-ring - Polyurethane (Outlet)
6	VP01S-22	Sticker - 2250 psi	16	VP16-V	DIN Insert with both o-rings Viton
6	VP01S-24	Sticker - 2400 psi	17	VX17-E	O-ring EPDM (Bonnet)
6	VP01S-30	Sticker - 3000 psi	20	VX20	Safety Handwheel Green Sleeve & Safety Handwheel Red Sleeve
6	VP01S-33	Sticker - 3300 psi	22	VX22	Safety Handwheel Black
6	VP01S-34	Sticker - 3442 psi	Part numbers in bold italics are standard replacement parts		



DIN Valve (7/8"-14 UNF Threads)

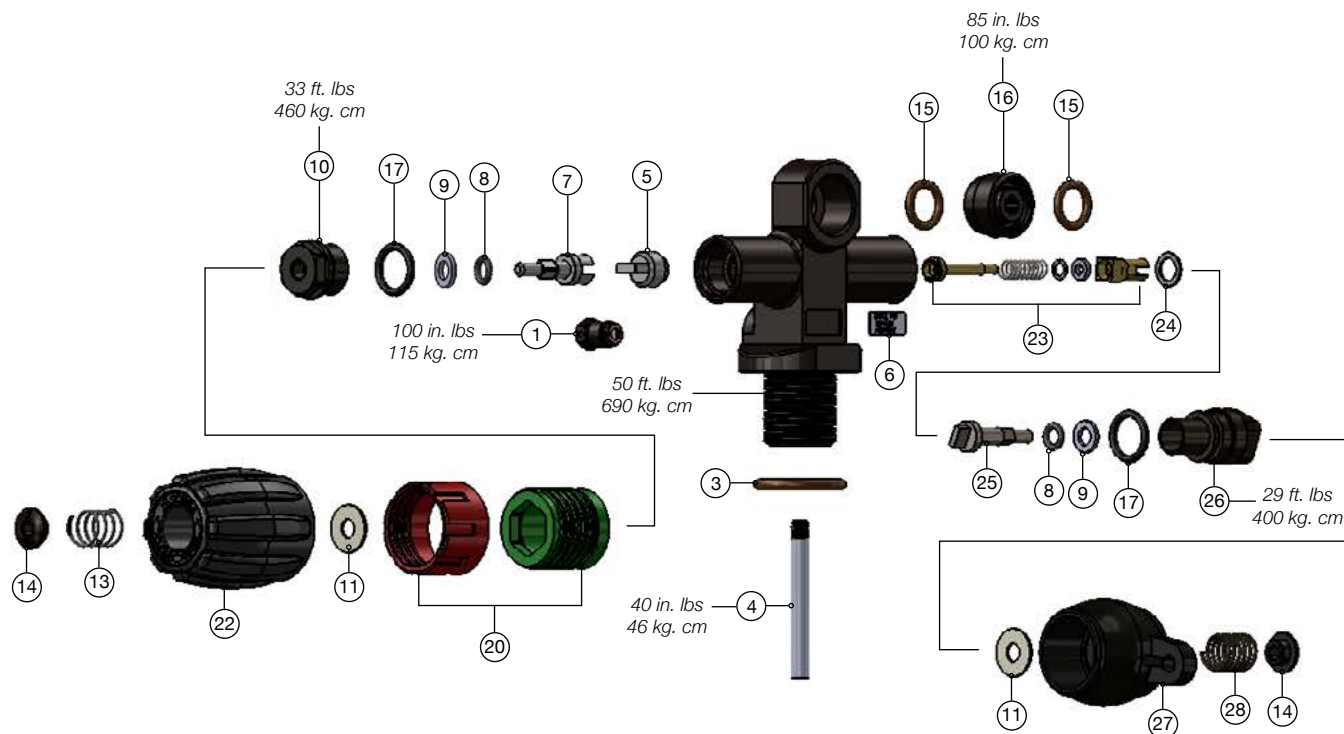


#	Part #	Description	#	Part #	Description
VKX-D			SERVICE KIT - XS SCUBA DIN VALVE		
1	VP01-34	Safety Assembly 3442 psi and 3500 psi (5250 burst)	8	VP08-E	O-ring - EPDM (Stem)
1	VP01-43	Safety Assembly 4350 psi (7250 burst)	9	VP09	Teflon Washer (Stem)
3	VP24-V	O-ring - Viton (7/8" UNF Inlet)	10	VX10	Bonnet
4	VP04	Dip Tube	11	VP11	Teflon Washer (Handwheel)
5	VP05	Seat	13	VP13	Spring
6	VP01S-34	Sticker - 3442 psi	14	VP14	Nut
6	VP01S-43	Sticker - 4350 psi	17	VX17-E	O-ring EPDM (Bonnet)
7	VP07	Stem	20	VX20	Safety Handwheel Green Sleeve & Safety Handwheel Red Sleeve
			22	VX22	Safety Handwheel Black Knob

Part numbers in bold italics are standard replacement parts



Reserve "J" Valve

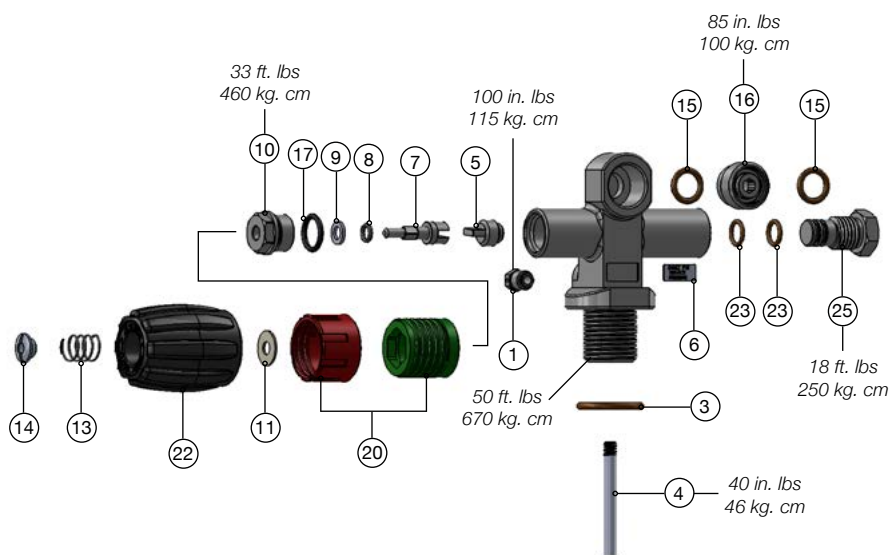


#	Part #	Description	#	Part #	Description
	VKX-P	SERVICE KIT - J VALVE MAIN SIDE			
	VKX-J	SERVICE KIT - J VALVE RESERVE SIDE			
1	VP01-20	Safety Assembly 2015 psi (3358 burst)	9	VP09	Teflon Washer (Stem)
1	VP01-22	Safety Assembly 2250 psi (3750 burst)	10	VX10	Bonnet - XS Scuba
1	VP01-24	Safety Assembly 2400 psi (4000 burst)	11	VP11	Teflon Washer (Handwheel)
1	VP01-30	Safety Assembly 3000 psi (5000 burst)	13	VP13	Spring
1	VP01-33	Safety Assembly 3300 psi (5500 burst)	14	VP14	Nut
1	VP01-34	Safety Assembly 3442 psi (5250 burst)	15	VP15-V	O-ring - Viton (Outlet)
3	VP03-V	O-ring - Viton (3/4" NPSM Inlet)	15	VP15-P	O-ring - Polyurethane (Outlet)
4	VP04	Dip Tube	16	VP16-V	DIN Insert with both o-rings Viton
5	VP05	Seat	17	VX17-E	O-ring EPDM (Bonnet)
6	VP01S-20	Sticker - 2015 psi	20	VX20	Safety Handwheel Green Sleeve & Safety Handwheel Red Sleeve
6	VP01S-22	Sticker - 2250 psi	22	VX22	Safety Handwheel Black Knob
6	VP01S-24	Sticker - 2400 psi	23	VP23	Reserve Assembly
6	VP01S-30	Sticker - 3000 psi	24	VP24	SS Washer
6	VP01S-33	Sticker - 3300 psi	25	VP26	Reserve Stem
6	VP01S-34	Sticker - 3442 psi	26	VP29-PVD	Reserve Bonnet-PVD
7	VP07	Stem	27	VP30	Reserve Lever
8	VP08-E	O-ring - EPDM (Stem)	28	VP31	Reserve Spring (Black)

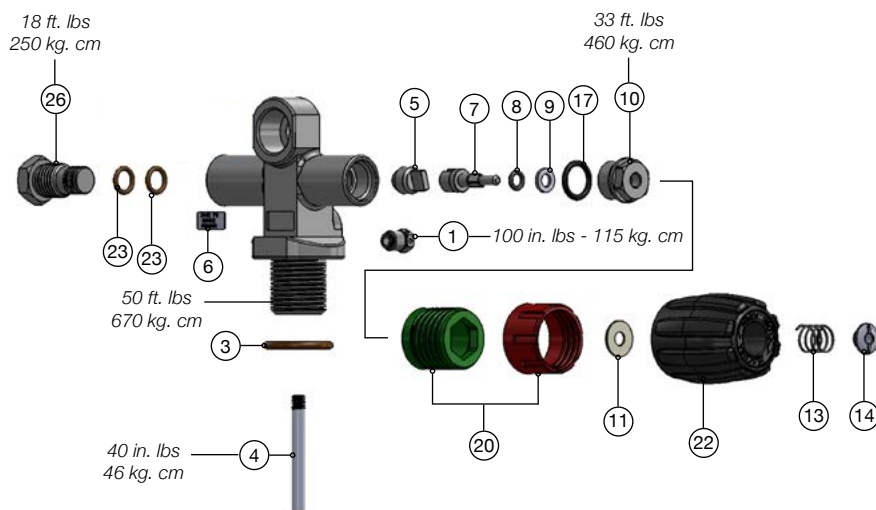
Part numbers in bold italics are standard replacement parts



Modular PRO Valve - Right Hand



Modular DIN Valve - Left Hand



#	Part #	Description
	VKX-P	SERVICE KIT - XS SCUBA PRO VALVE, +2 ea. VP25-V O-rings Required to service each Modular PRO Valve
	VKX-D	SERVICE KIT - XS SCUBA DIN VALVE, +2 ea. VP25-V O-rings Required to service each Modular DIN Valve
1	VP01-20	Safety Assembly 2015 psi (3358 burst)
1	VP01-22	Safety Assembly 2250 psi (3750 burst)
1	VP01-24	Safety Assembly 2400 psi (4000 burst)
1	VP01-27	Safety Assembly 2730 psi (4550 burst)
1	VP01-30	Safety Assembly 3000 psi (5000 burst)
1	VP01-31	Safety Assembly 3130 psi (4694 burst)
1	VP01-33	Safety Assembly 3300 psi (5500 burst)
1	VP01-34	Safety Assembly 3442 psi (5250 burst)
1	VP01-43	Safety Assembly 4350 psi (7250 burst)
3	VP03-V	O-ring - Viton (3/4" NPSM Inlet)
4	VP04	Dip Tube
5	VP05	Seat
6	VP01S-20	Sticker - 2015 psi
6	VP01S-22	Sticker - 2250 psi
6	VP01S-24	Sticker - 2400 psi
6	VP01S-30	Sticker - 3000 psi
6	VP01S-33	Sticker - 3300 psi
6	VP01S-34	Sticker - 3442 psi
6	VP01S-43	Sticker - 4350 psi
7	VP07	Stem
8	VP08-E	O-ring - EPDM (Stem)
9	VP09	Teflon Washer (Stem)
10	VX10	Bonnet
11	VP11	Teflon Washer (Handwheel)
13	VP13	Spring
14	VP14	Nut
15	VP15-V	O-ring - Viton (Outlet)
15	VP15-P	O-ring - Polyurethane (Outlet)
16	VP16-V	DIN Insert with both o-rings Viton
17	VX17-E	O-ring EPDM (Bonnet)
20	VX20	Safety Handwheel Green Sleeve & Safety Handwheel Red Sleeve
22	VX22	Safety Handwheel Black
23	VP25-V	O-ring - Viton (Barrel)
25	VP19-R	Modular Access Plug-Right (with notches)
26	VP19-L	Modular Access Plug - Left

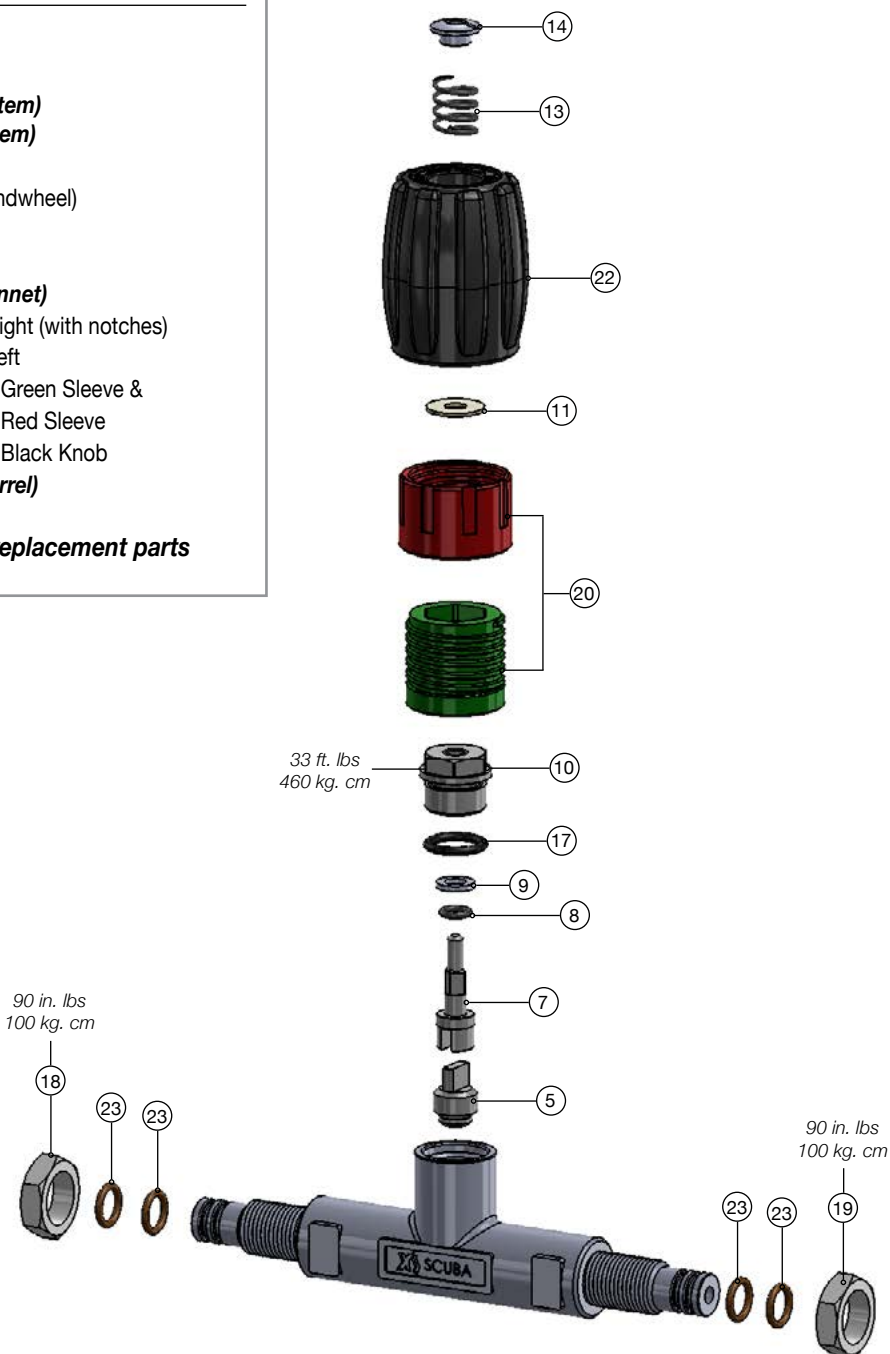
Part numbers in bold italics are standard replacement parts



Modular Valves - Crossbar

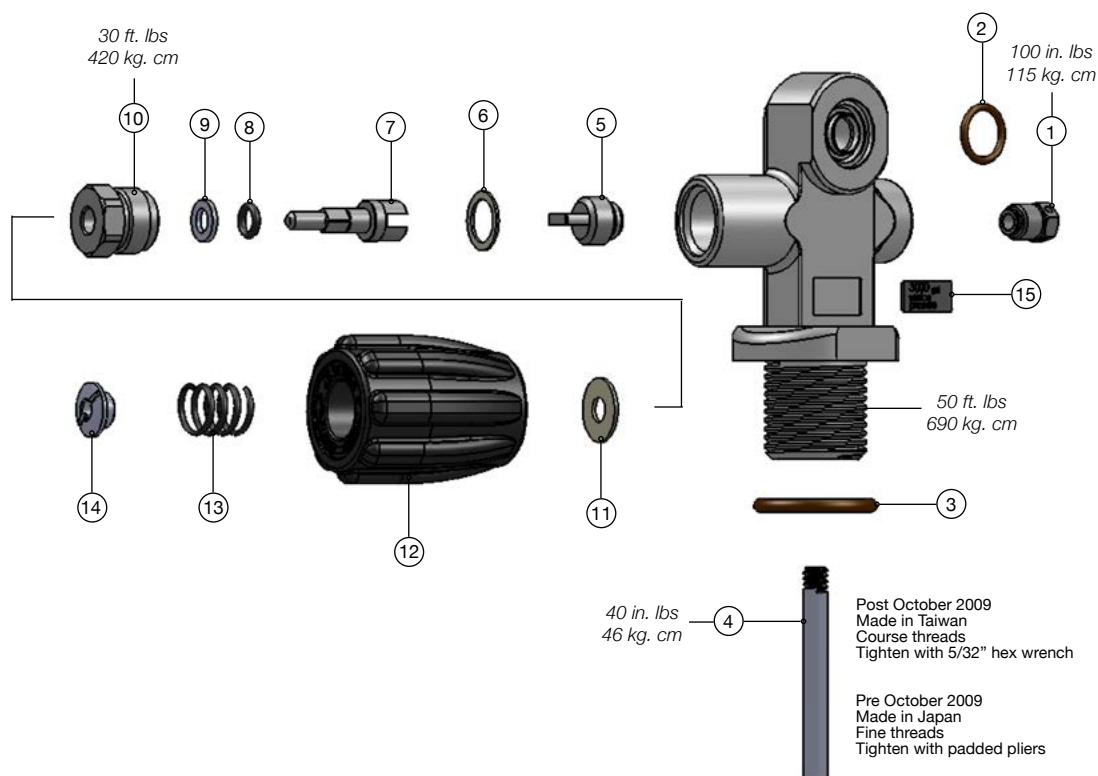
#	Part #	Description
	VKX-K	SERVICE KIT - XS SCUBA K VALVE, +4 ea. VP25-V O-rings Required to Service Crossbar
5	VP05	Seat
7	VP07	Stem
8	VP08-E	O-ring - EPDM (Stem)
9	VP09	Teflon Washer (Stem)
10	VX10	Bonnet
11	VP11	Teflon Washer (Handwheel)
13	VP13	Spring
14	VP14	Nut
17	VX17-E	O-ring EPDM (Bonnet)
18	VP18-R	Barrel Jam Nut - Right (with notches)
19	VP18-L	Barrel Jam Nut - Left
20	VX20	Safety Handwheel Green Sleeve & Safety Handwheel Red Sleeve
21	VX22	Safety Handwheel Black Knob
23	VP25-V	O-ring - Viton (Barrel)

Part numbers in bold italics are standard replacement parts





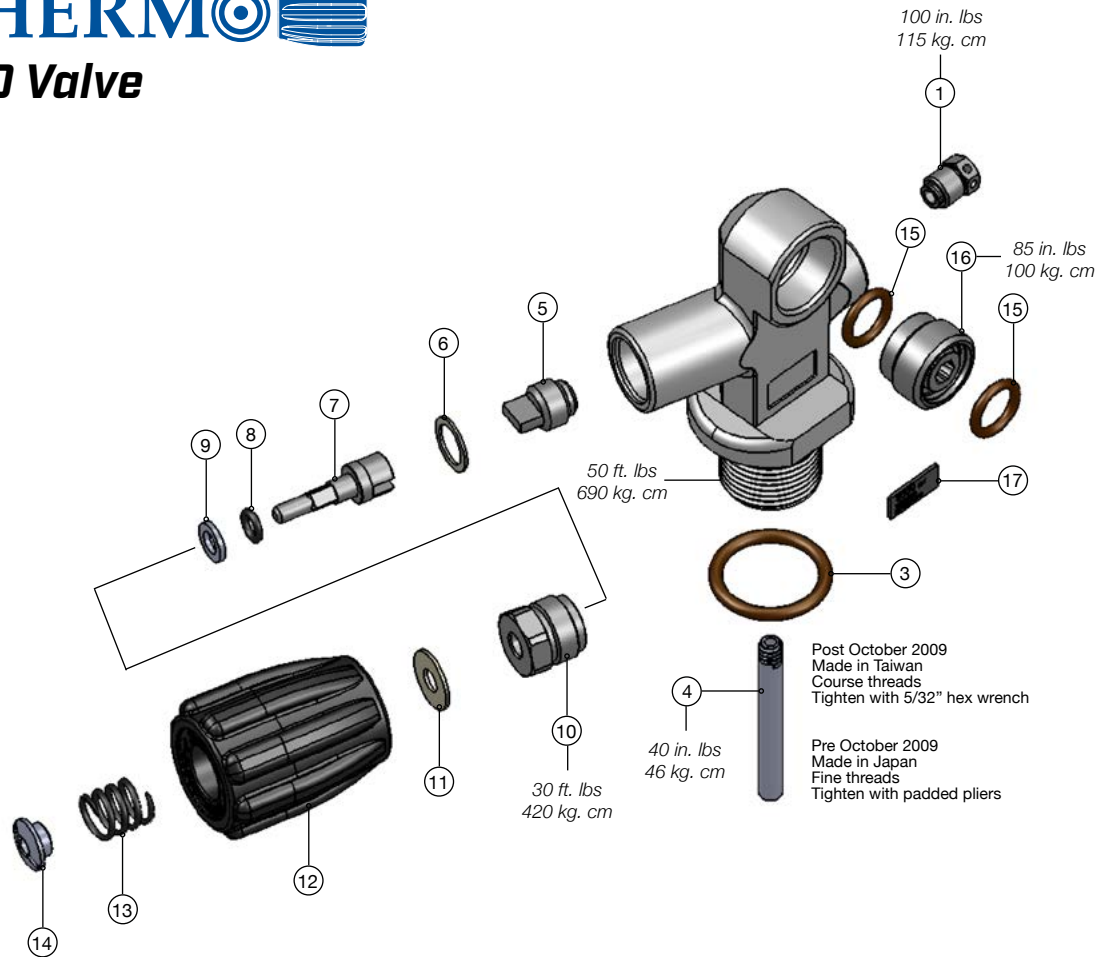
Deluxe K Valve



#	Part #	Description	#	Part #	Description
VKT-K			SERVICE KIT - THERMO DELUXE K		
1	VP01-20	Safety Assembly - 2015 psi (3358 burst)	7	VP07	Stem
1	VP01-22	Safety Assembly - 2250 psi (3750 burst)	8	VP08-E	O-ring - EPDM (Stem)
1	VP01-24	Safety Assembly - 2400 psi (4000 burst)	9	VP09	Teflon Washer (Stem)
1	VP01-27	Safety Assembly - 2730 psi (4550 burst)	10	VT10	Bonnet - Thermo
1	VP01-30	Safety Assembly - 3000 psi (5000 burst)	11	VP11	Teflon Washer (Handwheel)
2	VP02-B	O-ring - BunaN (Outlet)	12	VP12-BK	Handwheel - Black
2	VP02-V	O-ring - Viton (Outlet)	12	VP12-GN	Replacement Handwheel - Green
2	VP02-P	O-ring - Polyurethane (Outlet)	13	VP13	Spring
3	VP03-B	O-ring - BunaN (3/4"-14 NPSM Inlet)	14	VP14	Nut
3	VP03-V	O-ring - Viton (3/4"-14 NPSM Inlet)	15	VP01S-20	Sticker - 2015 psi
4	VT04	Dip Tube - (Pre 10/09) - Fine Threads	15	VP01S-22	Sticker - 2250 psi
4	VP04	Dip Tube - (Post 10/09) - Course Threads	15	VP01S-24	Sticker - 2400 psi
5	VP05	Seat	15	VP01S-30	Sticker - 3000 psi
6	VT06	Copper Crush Washer	Part numbers in bold italics are standard replacement parts and are included with VKT-K service kit		

THERMO

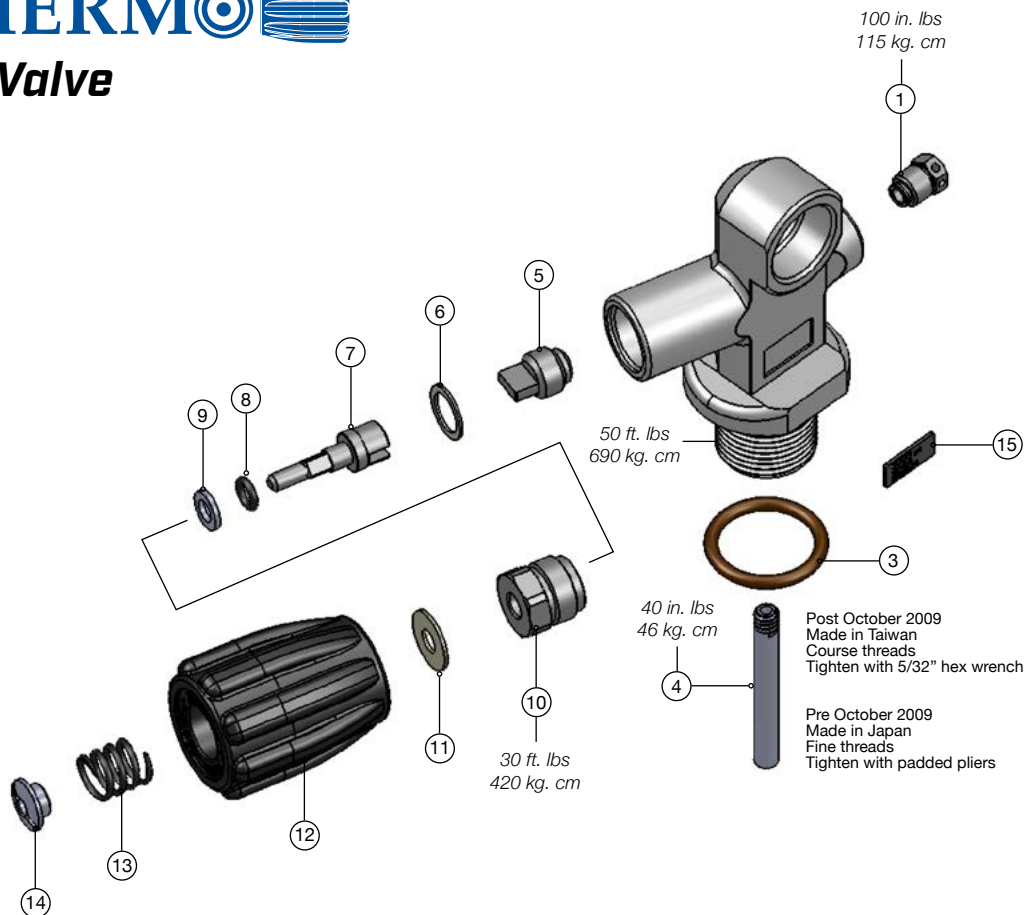
PRO Valve



#	Part #	Description	#	Part #	Description
VKT-P			SERVICE KIT - THERMO PRO VALVE		
1	VP01-20	Safety Assembly - 2015 psi (3358 burst)	10	VT10	Bonnet - Thermo
1	VP01-22	Safety Assembly - 2250 psi (3750 burst)	11	VP11	Teflon Washer (Handwheel)
1	VP01-24	Safety Assembly - 2400 psi (4000 burst)	12	VP12-BK	Handwheel - Black
1	VP01-27	Safety Assembly - 2730 psi (4550 burst)	12	VP12-GN	Replacement Handwheel - Green
1	VP01-30	Safety Assembly - 3000 psi (5000 burst)	13	VP13	Spring
1	VP01-31	Safety Assembly - 3130 psi (4694 burst)	14	VP14	Nut
1	VP01-33	Safety Assembly - 3300 psi (5500 burst)	15	VP15-V	O-ring - Viton (Outlet)
1	VP01-34	Safety Assembly - 3442 psi (5250 burst)	15	VP15-P	O-ring - Polyurethane (Outlet)
3	VP03-V	O-ring - Viton (3/4"-14 NPSM Inlet)	16	VP16-V	DIN Insert With Both O-rings Viton
4	VT04	Dip Tube - (Pre 10/09) - Fine Threads	17	VP01S-20	Sticker - 2015 psi
4	VP04	Dip Tube - (Post 10/09) - Course Threads	17	VP01S-22	Sticker - 2250 psi
5	VP05	Seat	17	VP01S-24	Sticker - 2400 psi
6	VT06	Copper Crush Washer	17	VP01S-30	Sticker - 3000 psi
7	VP07	Stem	17	VP01S-33	Sticker - 3300 psi
8	VP08-E	O-ring - EPDM (Stem)	17	VP01S-34	Sticker - 3442 psi
9	VP09	Teflon Washer (Stem)	Part numbers in bold italics are standard replacement parts and are included with VKT-P service kit		

THERMO

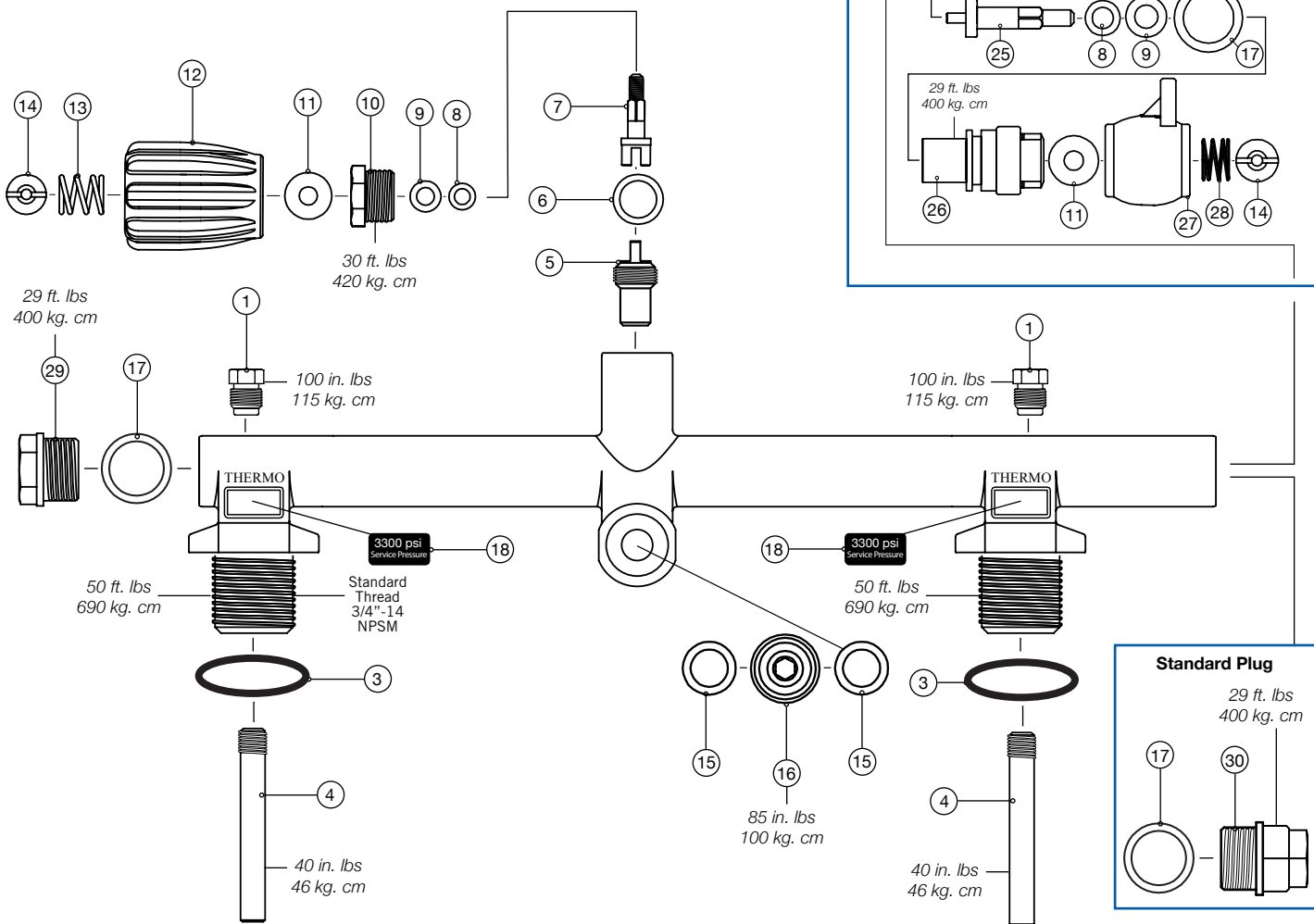
DIN Valve



#	Part #	Description	#	Part #	Description
VKT-D SERVICE KIT - THERMO DIN VALVE			8	VP08-E	O-ring - EPDM (Stem)
1	VP01-20	Safety Assembly - 2015 psi (3358 burst)	9	VP09	Teflon Washer (Stem)
1	VP01-22	Safety Assembly - 2250 psi (3750 burst)	10	VT10	Bonnet - Thermo
1	VP01-24	Safety Assembly - 2400 psi (4000 burst)	11	VP11	Teflon Washer (Handwheel)
1	VP01-27	Safety Assembly - 2730 psi (4550 burst)	12	VP12-BK	Handwheel - Black
1	VP01-30	Safety Assembly - 3000 psi (5000 burst)	12	VP12-GN	Replacement Handwheel - Green
1	VP01-31	Safety Assembly - 3130 psi (4694 burst)	13	VP13	Spring
1	VP01-33	Safety Assembly - 3300 psi (5500 burst)	14	VP14	Nut
1	VP01-34	Safety Assembly - 3442 psi (5250 burst)	15	VP01S-20	Sticker - 2015 psi
1	VP01-43	Safety Assembly - 4350 psi (7250 burst)	15	VP01S-22	Sticker - 2250 psi
3	VP03-V	O-ring - Viton (3/4"-14 NPSM Inlet)	15	VP01S-24	Sticker - 2400 psi
3	VP24-V	O-ring - Viton (7/8" UNF Inlet)	15	VP01S-30	Sticker - 3000 psi
4	VT04	Dip Tube - (Pre 10/09) - Fine Threads	15	VP01S-33	Sticker - 3300 psi
4	VP04	Dip Tube - (Post 10/09) - Course Threads	15	VP01S-34	Sticker - 3442 psi
5	VP05	Seat	15	VP01S-43	Sticker - 4350 psi
6	VT06	Copper Crush Washer	Part numbers in bold italics are standard replacement parts and are included with VKT-D service kit		
7	VP07	Stem			

THERMO

One Piece Manifold



#	Part #	Description
	VKT-1M	SERVICE KIT - MANIFOLD W/O J RESERVE
	VKX-J	SERVICE KIT - J RESERVE ASSEMBLY
1	VP01-24	Safety Assembly - 2400 psi (4000 burst)
1	VP01-30	Safety Assembly - 3000 psi (5000 burst)
1	VP01-33	Safety Assembly - 3300 psi (5500 burst)
1	VP01-34	Safety Assembly - 3442 psi (5250 burst)
3 *	VP03-V	O-ring - Viton (3/4" NPSM Inlet)
4	VP04	Dip Tube
5 *	VT05	Seat, One-Piece Twin Manifold
6 *	VT06	Copper Crush Washer
7	VP07	Stem
8 * †	VP08-E	O-ring - EPDM (Stem)
9 * †	VP09	Teflon Washer (Stem)
10	VT10	Bonnet - Thermo
11	VP11	Teflon Washer (Handwheel)
12	VP12-BK	Handwheel - Black
12	VP12-GN	Replacement Handwheel - Green
13	VP13	Spring
14	VP14-PVD	Nut

#	Part #	Description
15	VP15-V *	O-ring - Viton (Outlet)
15	VP15-P	O-ring - Polyurethane (Outlet)
16	VP16-V	DIN Insert With Both O-rings Viton
17	VX17-E †	O-ring - EPDM
18	VP01S-24	Sticker - 2400 psi
18	VP01S-30	Sticker - 3000 psi
18	VP01S-33	Sticker - 3300 psi
18	VP01S-34	Sticker - 3442 psi
23	VP23 †	Reserve Assembly
24	VP24 †	SS Washer
25	VP26	Reserve Stem
26	VP29-PVD	Reserve Bonnet
27	VP30	Reserve Lever
28	VP31	Reserve Spring (Color Black)
29	VT29	End Plug - Right Hand
30	VT30	End Plug - Left Hand

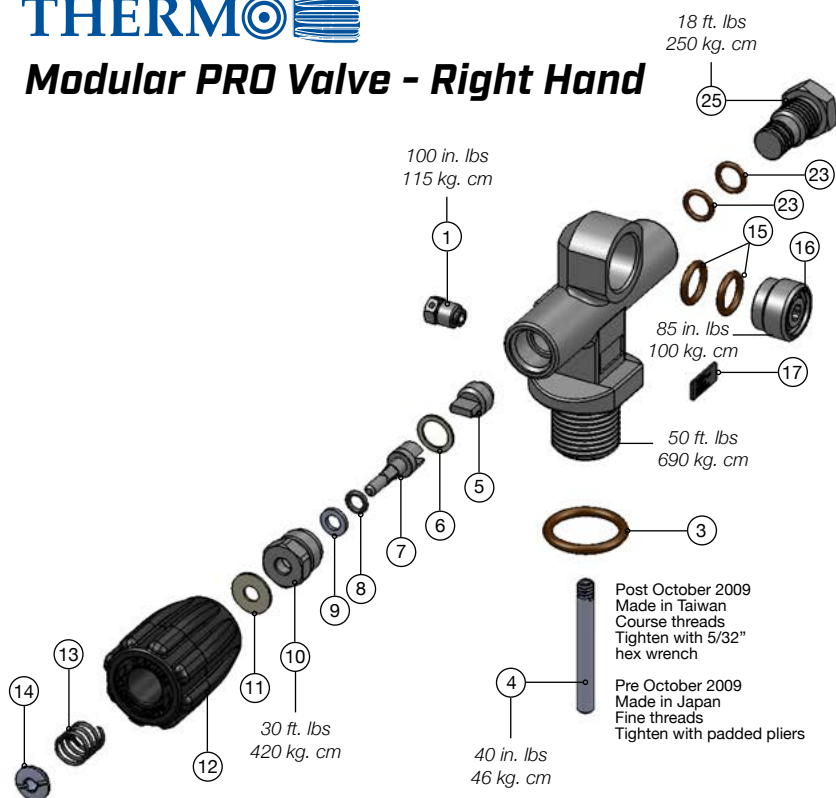
Part numbers in bold italics are standard replacement parts

* Parts that come in the VKT-1M Kit

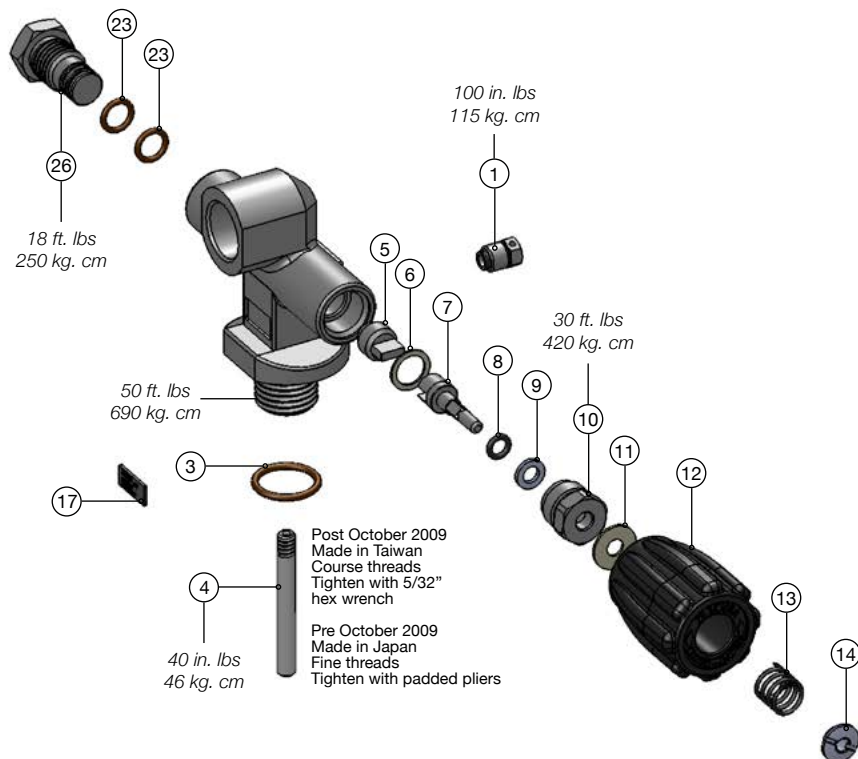
† Parts that come in the VKX-J Kit



Modular PRO Valve - Right Hand



Modular DIN Valve - Left Hand

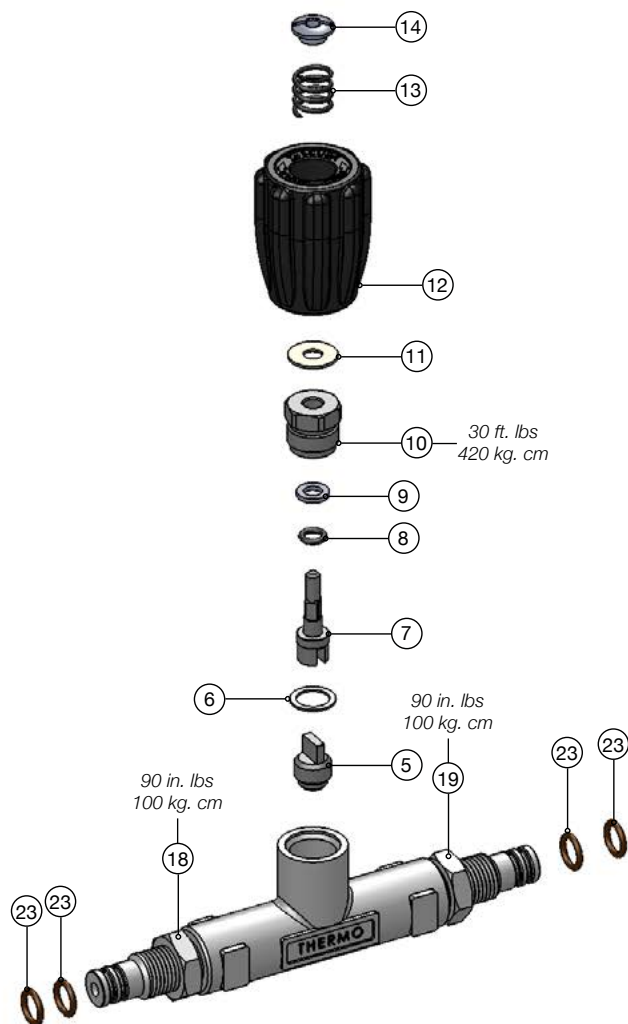


#	Part #	Description
	VKT-P	Service Kit – Thermo PRO Valve, + 2 ea. VP25-V o-rings req'd to service each Modular PRO Valve
	VKT-D	Service Kit – Thermo DIN Valve, + 2 ea. VP25-V o-rings req'd to service each Modular DIN Valve
1	VP01-20	Safety Assembly - 2015 psi (3358 burst)
1	VP01-22	Safety Assembly - 2250 psi (3750 burst)
1	VP01-24	Safety Assembly - 2400 psi (4000 burst)
1	VP01-27	Safety Assembly - 2730 psi (4550 burst)
1	VP01-30	Safety Assembly - 3000 psi (5000 burst)
1	VP01-31	Safety Assembly - 3130 psi (4694 burst)
1	VP01-33	Safety Assembly - 3300 psi (5500 burst)
1	VP01-34	Safety Assembly - 3442 psi (5250 burst)
1	VP01-43	Safety Assembly - 4350 psi (7250 burst)
3	VP03-V	O-ring - Viton (3/4"-14 NPSM Inlet)
3	VP24-V	O-ring - Viton (7/8" UNF Inlet)
4	VT04	Dip Tube - Pre 10/09 - Fine Threads
4	VP04	Dip Tube - Post 10/09 - Course Threads
5	VP05	Seat
6	VT06	Copper Crush Washer
7	VP07	Stem
8	VP08-E	O-ring - EPDM (Stem)
9	VP09	Teflon Washer (Stem)
10	VT10	Bonnet - Thermo
11	VP11	Teflon Washer (Handwheel)
12	VP12-BK	Handwheel - Black
12	VP12-GN	Replacement Handwheel - Green
13	VP13	Spring
14	VP14	Nut
15	VP15-V	O-ring - Viton (Outlet)
15	VP15-P	O-ring - Polyurethane (Outlet)
16	VP16-V	DIN Insert with both o-rings Viton
17	VP01S-20	Sticker - 2015 psi
17	VP01S-22	Sticker - 2250 psi
17	VP01S-24	Sticker - 2400 psi
17	VP01S-30	Sticker - 3000 psi
17	VP01S-33	Sticker - 3300 psi
17	VP01S-34	Sticker - 3442 psi
17	VP01S-43	Sticker - 4350 psi
23	VP25-V	O-ring - Viton (Barrel)
25	VP19-R	Modular Access Plug-Right (with notches)
26	VP19-L	Modular Access Plug - Left

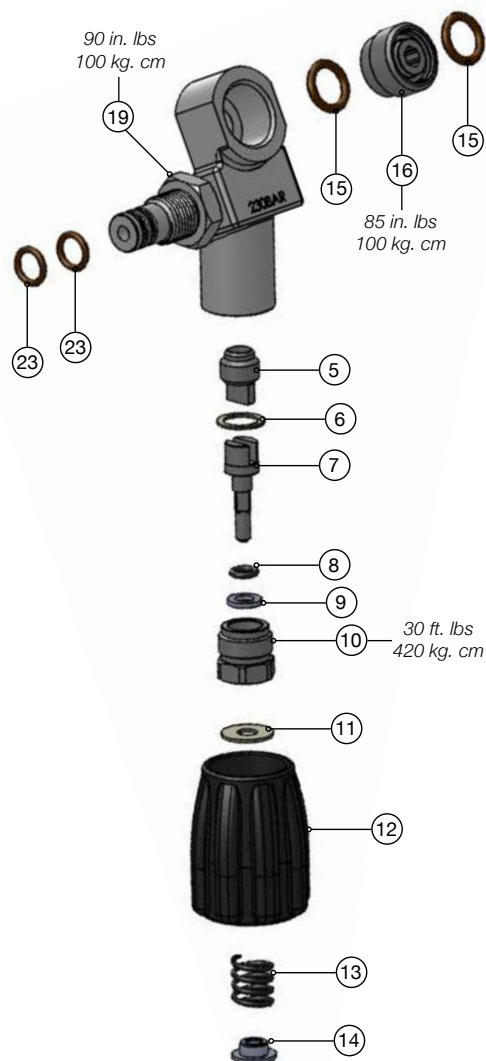
Part numbers in bold italics are standard replacement parts



Modular Valve Crossbar



H Adapters PRO - Left Hand



#	Part #	Description
	VKT-K	Service Kit – Thermo K Valve, + 4 ea. VP25-V O-rings req'd to service each Crossbar
	VKT-P	Service Kit – Thermo PRO Valve, + 2 ea. VP25-V O-rings req'd to service each H Adapter
5	VP05	Seat
6	VT06	Copper Crush Washer
7	VP07	Stem
8	VP08-E	O-ring - EPDM (Stem)
9	VP09	Teflon Washer (Stem)
10	VT10	Bonnet - Thermo
11	VP11	Teflon Washer (Handwheel)

#	Part #	Description
12	VP12-BK	Handwheel - Black
12	VP12-GN	Replacement Handwheel - Green
13	VP13	Spring
14	VP14	Nut
15	VP15-V	O-ring - Viton (Outlet)
15	VP15-P	O-ring - Polyurethane (Outlet)
16	VP16-V	DIN Insert with both o-rings Viton
18	VP18-R	Barrel Jam Nut - Right (with notches)
19	VP18-L	Barrel Jam Nut - Left
23	VP25-V	O-ring - Viton (Barrel)

Part numbers in bold italics are standard replacement parts