

Tank Valves

Tank Valves

Select a model

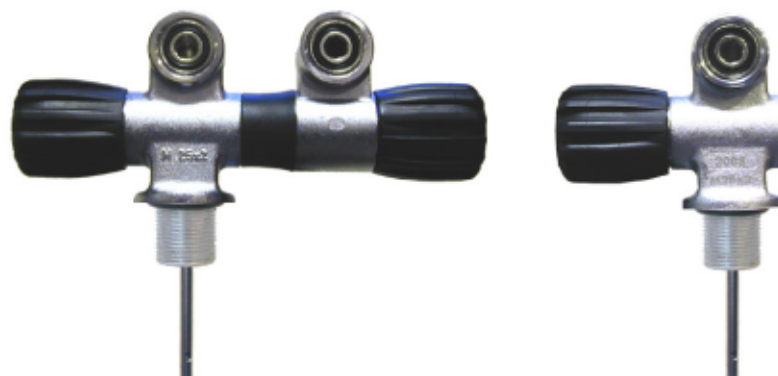
***Tank Valves
1999 Air & Nitrox***



***"SAS Concept" Tank Valves
2002 Air & Nitrox***



***Tank Valves
2004 Air***



Air Tank valves

Check the serial No.! 1st Generation -----95F (before 01/96), 2nd Generation -----A96 (from 01/96 to 12/96), 3rd Generation -----A01 (after 01/97)

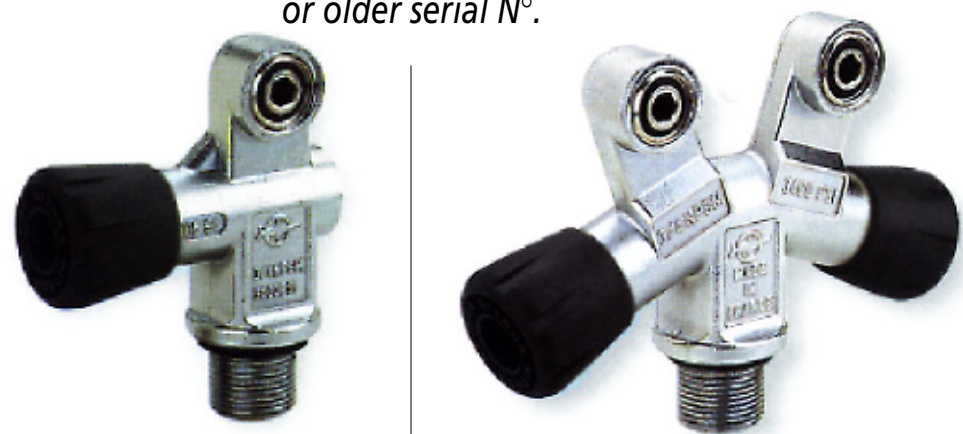
5 digits
Year
Month (F = February)

5 digits
Month (A = April)
Year

5 digits
Year (A = 1997)
Month (01 = January)

M25x2 Tank valves

up to serial N°. ----- C05 (<May 99)
or older serial N°.

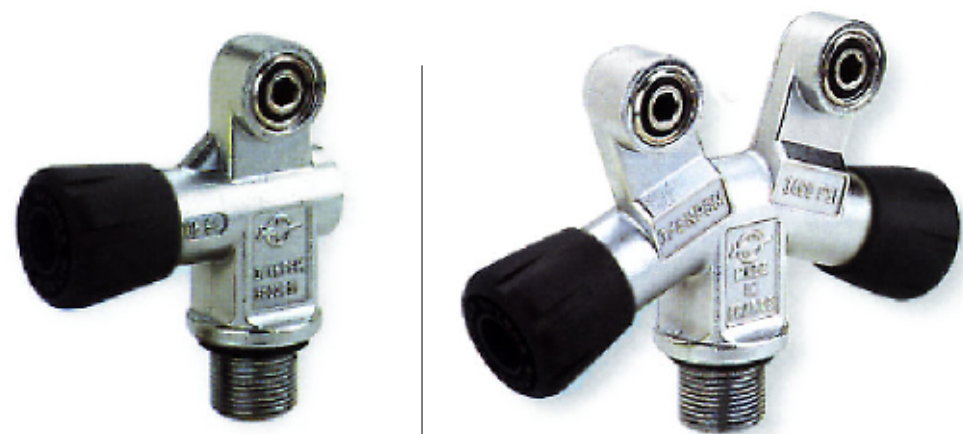


1 outlet tank valve

2 outlets tank valves

M25x2 Tank valves

from serial N° ----- C05 (≥ May 99)

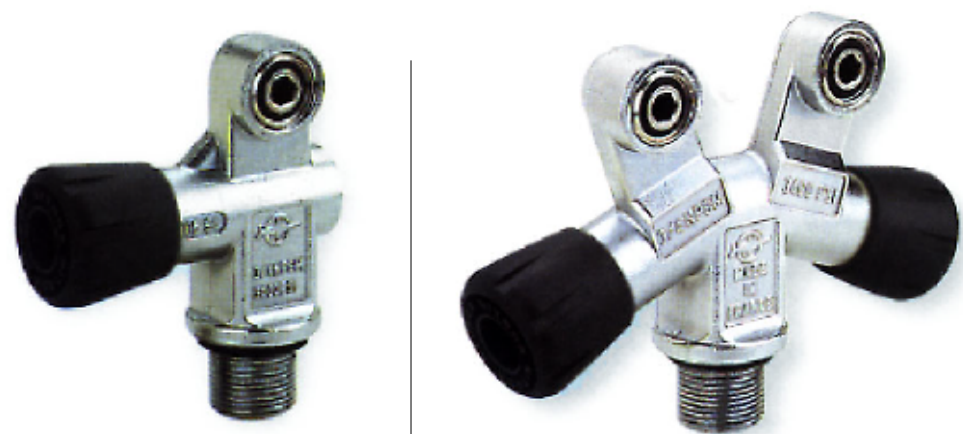


1 outlet tank valve

2 outlets tank valves

3/4" Tank valves

up to serial N°. ----- C05 (<May 99)
or older serial N°.

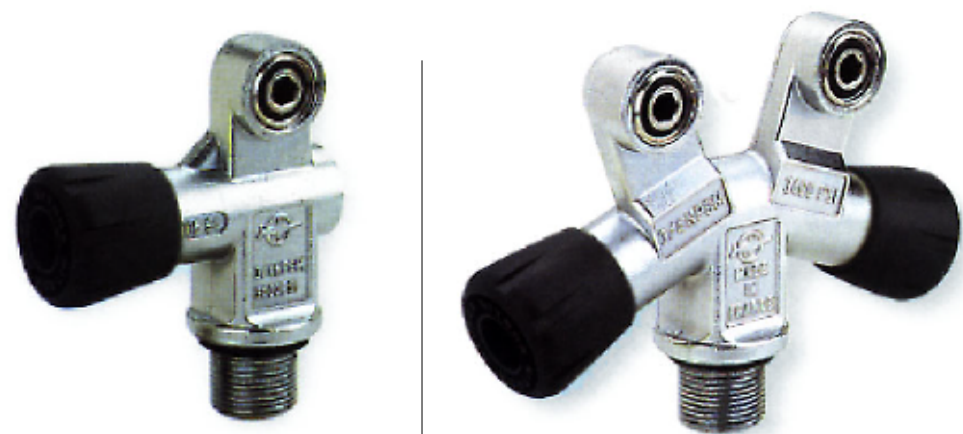


1 outlet tank valve

2 outlets tank valves

3/4" Tank valves

from serial N° ----- C05 (≥ May 99)



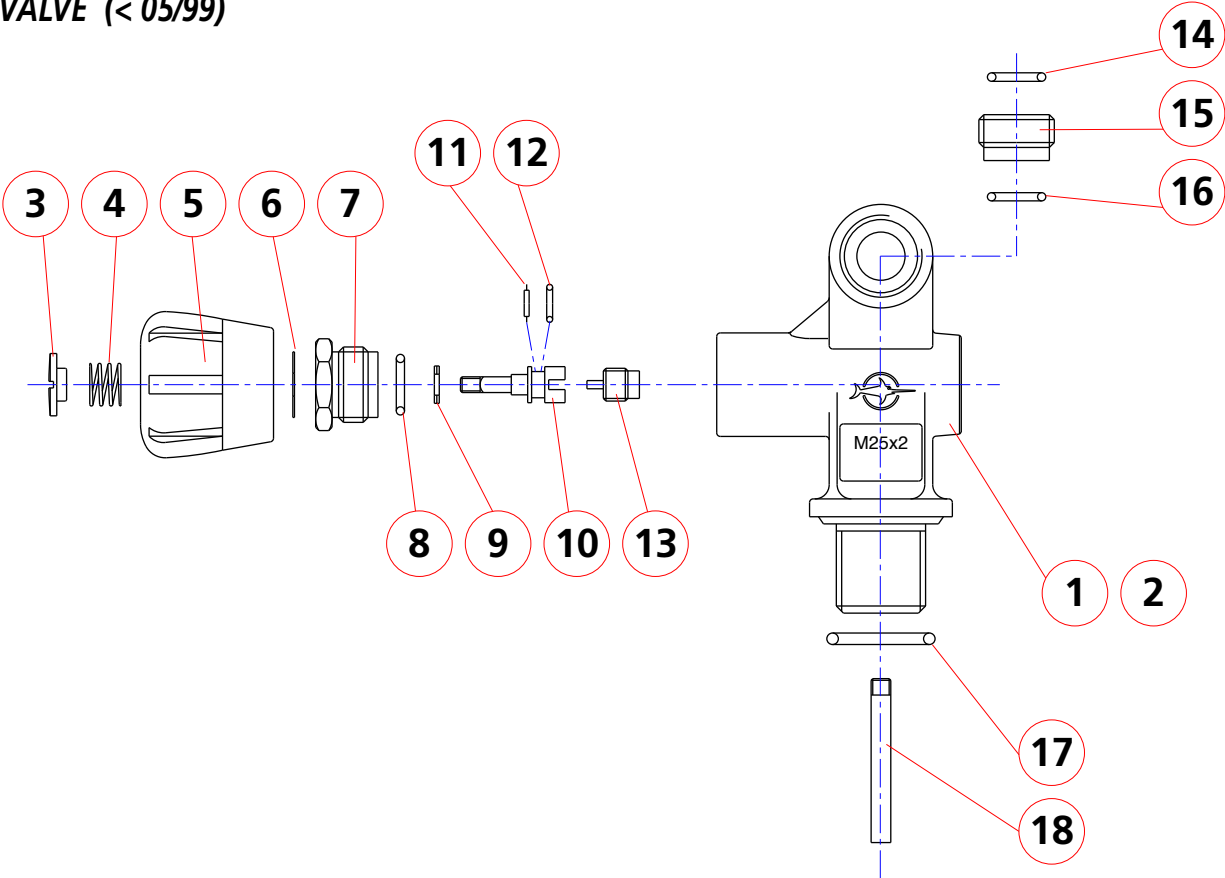
1 outlet tank valve

2 outlets tank valves

Exploded diagram

1 PORT SINGLE TANK VALVE (< 05/99)
M25x2 3000 PSI
Reference : 17602

1 PORT SINGLE TANK VALVE (< 05/99)
M25x2 3300 PSI
Reference : 17603



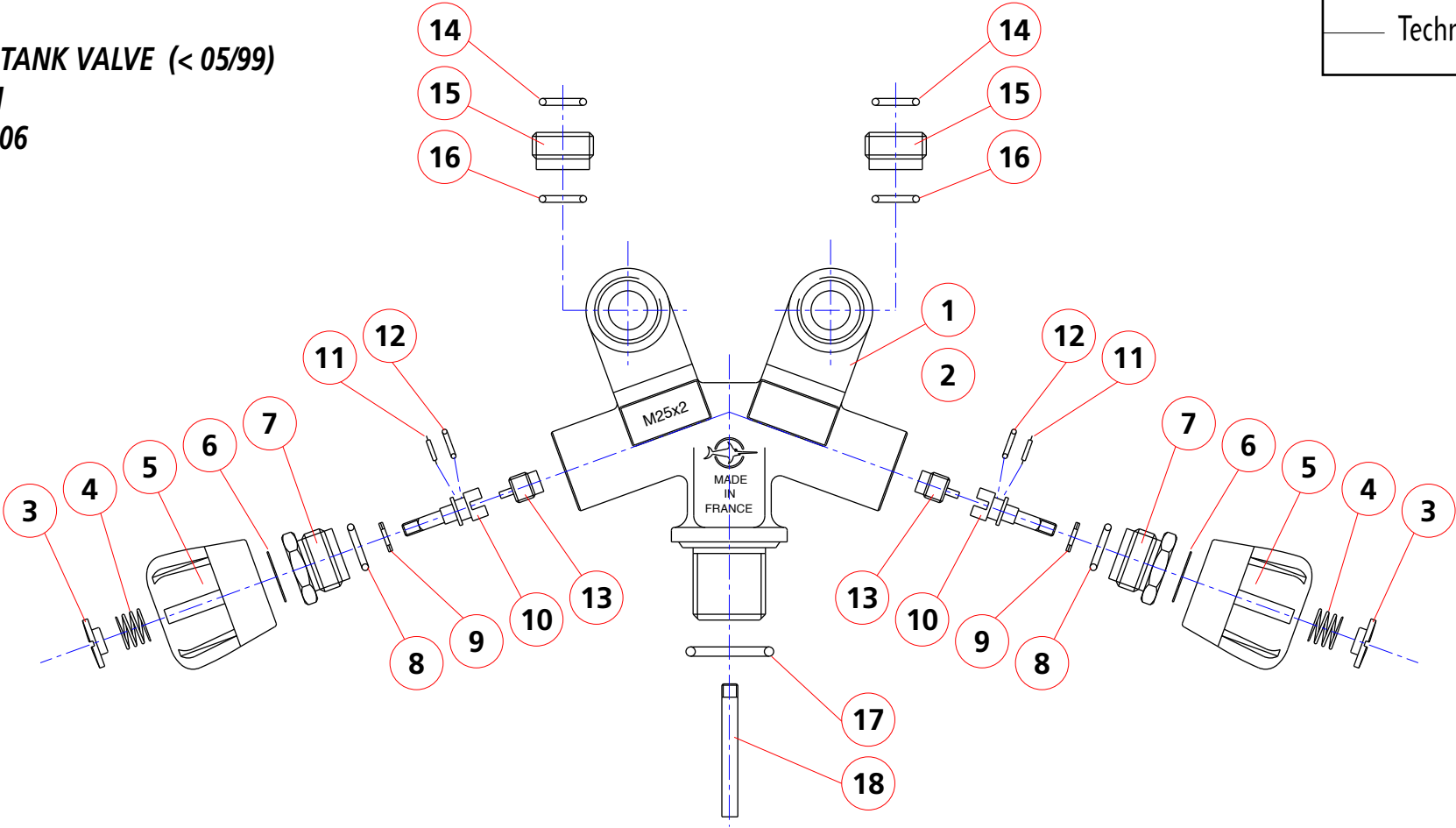
Parts list

Part	Reference	Description	Part	Reference	Description
1		M25x2 3000 PSI 1 PORT SINGLE TANK BODY	11	9106	ANTI-EXTRUSION RING
2		M25x2 3300 PSI 1 PORT SINGLE TANK BODY	12	43067	'O' RING (7.5x2) 90 SH
3	9001	HANDWHEEL RETAINING SCREW	13	9018	VALVE SEAL
4	9002	HANDWHEEL SPRING	14	7017	'O' RING (12.1x2.7) 90 SH
5	7000	HANDWHEEL	15	9208	DIN-YOKE ADAPTOR
6	7022	NYLON WASHER	16	7017	'O' RING (12.1x2.7) 90 SH
7	9108	RETAINING SCREW	17	7015	'O' RING (24.6x3.6) 90 SH
8	200067	'O' RING (12.37x2.62) 90 SH	18	7016	ANTI-DEBRIS TUBE
9	7006	TEFLON RING		17853	ST SERVICE KIT (8-9-11-12-13-14-16-17)
10	9105	DRIVE SHAFT			

Exploded diagram

2 PORT SINGLE TANK VALVE (< 05/99)
M25x2 3000 PSI
Reference : 17605

2 PORT SINGLE TANK VALVE (< 05/99)
M25x2 3300 PSI
Reference : 17606

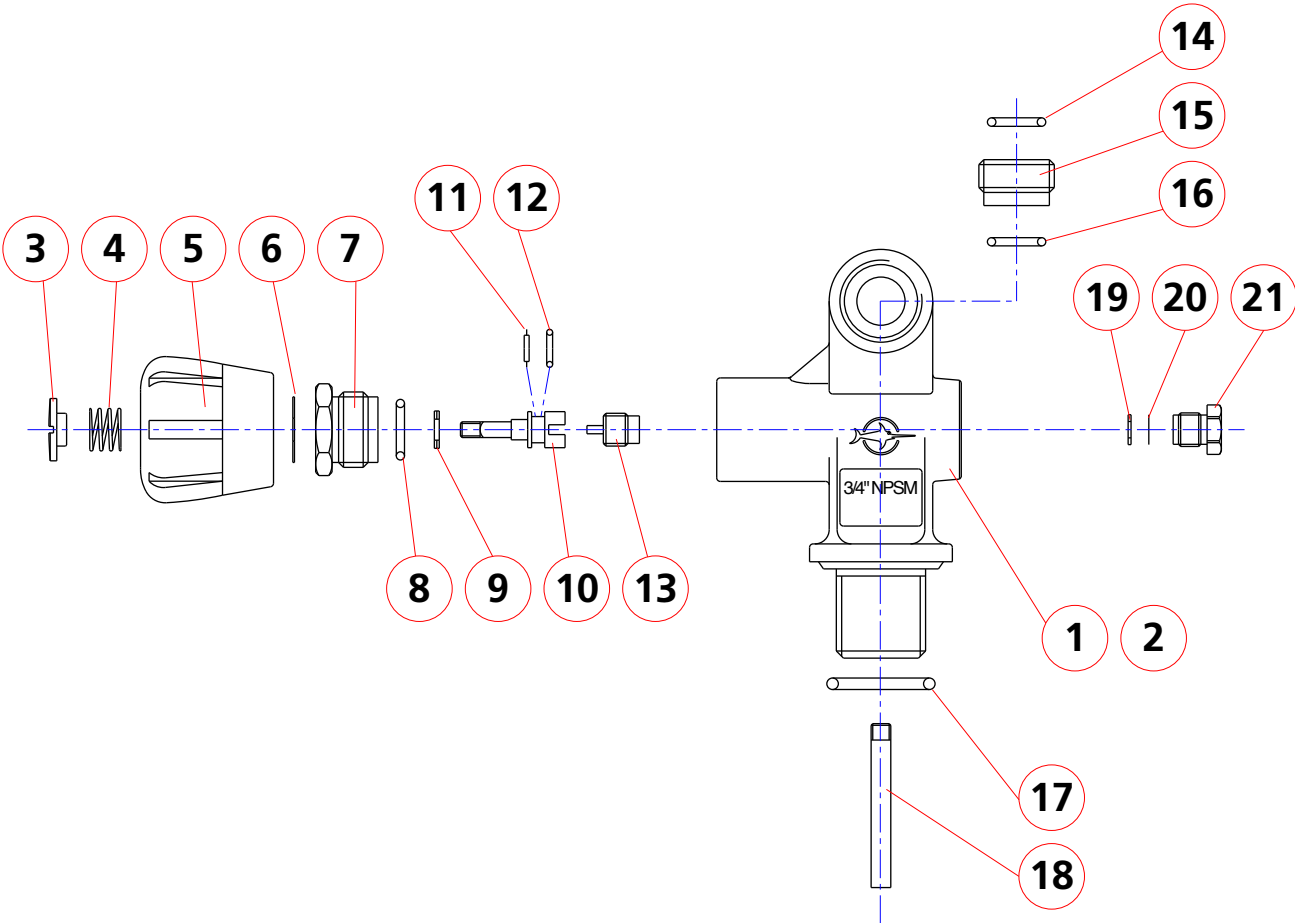


Parts list

Part	Reference	Description	Part	Reference	Description
1		M25x2 3000 PSI 2 PORT SINGLE TANK BODY	11	9106	ANTI-EXTRUSION RING
2		M25x2 3300 PSI 2 PORT SINGLE TANK BODY	12	43067	'O' RING (7.5x2) 90 SH
3	9001	HANDWHEEL RETAINING SCREW	13	9018	VALVE SEAL
4	9002	HANDWHEEL SPRING	14	7017	'O' RING (12.1x2.7) 90 SH
5	7000	HANDWHEEL	15	9208	DIN-YOKE ADAPTOR
6	7022	NYLON WASHER	16	7017	'O' RING (12.1x2.7) 90 SH
7	9108	RETAINING SCREW	17	7015	'O' RING (24.6x3.6) 90 SH
8	200067	'O' RING (12.37x2.62) 90 SH	18	7016	ANTI-DEBRIS TUBE
9	7006	TEFLON RING		17853 (x2)	ST SERVICE KIT (8-9-11-12-13-14-16-17)
10	9105	DRIVE SHAFT			

1 PORT SINGLE TANK VALVE (< 05/99)
3/4 NPSM 3400 PSI
Reference : 17600

Exploded diagram

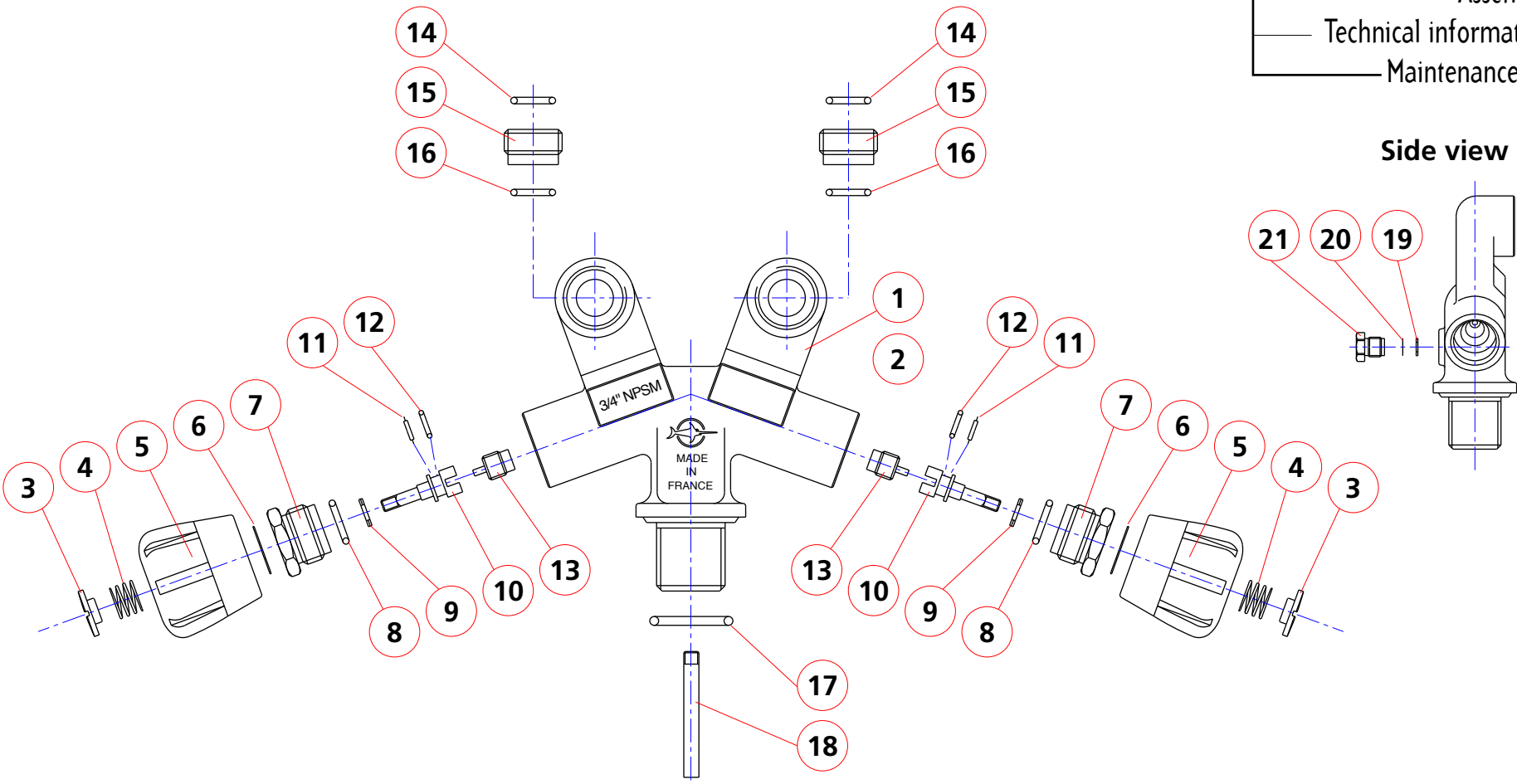


Parts list

Part	Reference	Description	Part	Reference	Description
1	9164	3/4" NPSM 3000 PSI 1 PORT SINGLE TANK BODY	12	43067	'O' RING (7.5x2) 90 SH
2	9164	3/4" NPSM 3000 PSI 1 PORT SINGLE TANK BODY	13	9018	VALVE SEAL
3	9001	HANDWHEEL RETAINING SCREW	14	7017	'O' RING (12.1x2.7) 90 SH
4	9002	HANDWHEEL SPRING	15	9208	DIN-YOKE ADAPTOR
5	7000	HANDWHEEL	16	7017	'O' RING (12.1x2.7) 90 SH
6	7022	NYLON WASHER	17	7015	'O' RING (24.6x3.6) 90 SH
7	9108	RETAINING SCREW	18	7016	ANTI-DEBRIS TUBE
8	200067	'O' RING (12.37x2.62) 90 SH	19	222202	WASHER
9	7006	TEFLON RING	20	9150	BURST DISC
10	9105	DRIVE SHAFT	21	9229	BURST DISC SCREW
11	9106	ANTI-EXTRUSION RING			

2 PORT SINGLE TANK VALVE (< 05/99)
3/4 NPSM 3400 PSI
Reference : 17609

Exploded diagram



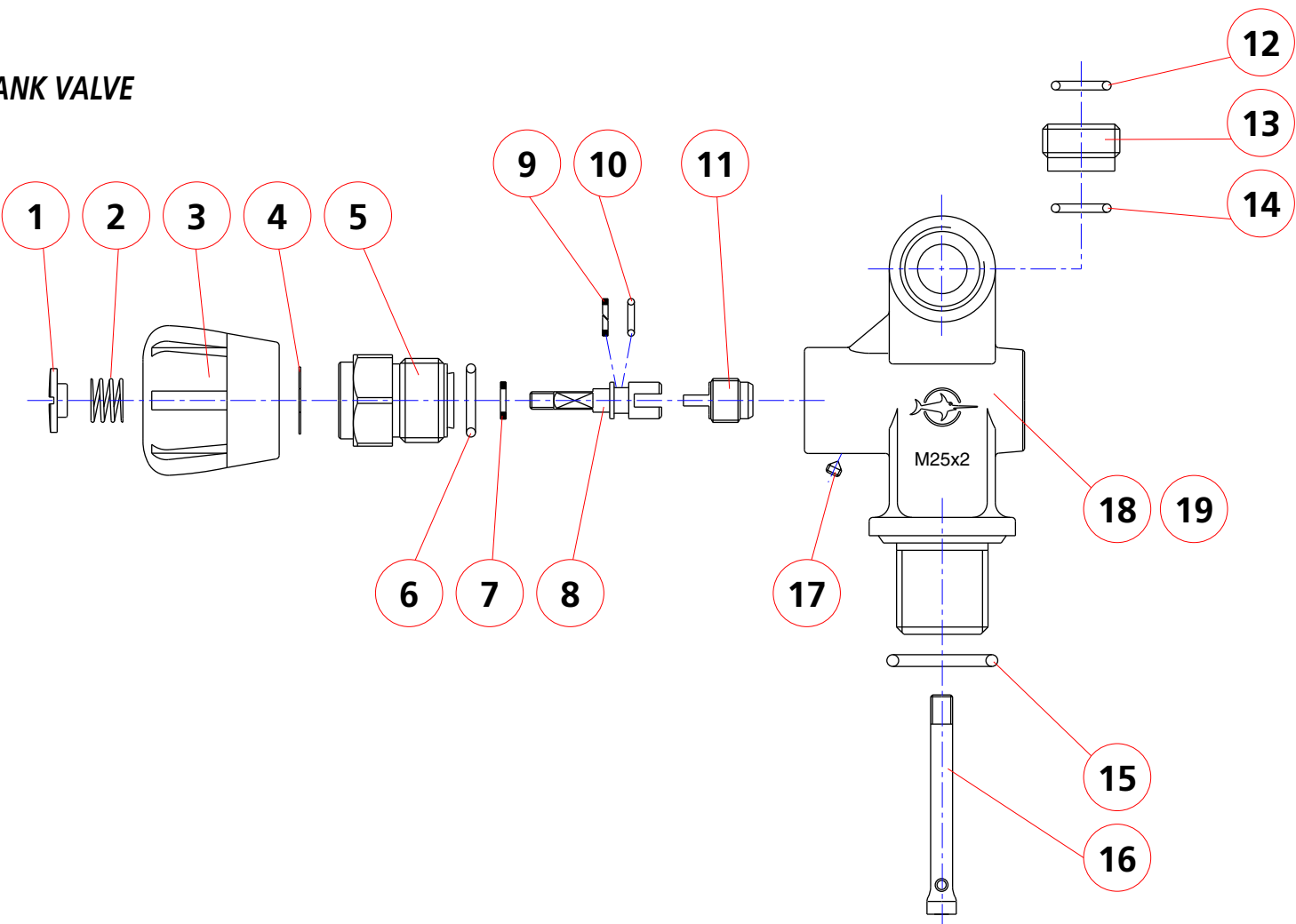
Parts list

Part	Reference	Description	Part	Reference	Description
1	9164	3/4" NPSM 3000 PSI 2 PORT SINGLE TANK BODY	12	43067	'O' RING (7.5x2) 90 SH
2	9164	3/4" NPSM 3000 PSI 2 PORT SINGLE TANK BODY	13	9018	VALVE SEAL
3	9001	HANDWHEEL RETAINING SCREW	14	7017	'O' RING (12.1x2.7) 90 SH
4	9002	HANDWHEEL SPRING	15	9208	DIN-YOKE ADAPTOR
5	7000	HANDWHEEL	16	7017	'O' RING (12.1x2.7) 90 SH
6	7022	NYLON WASHER	17	7015	'O' RING (24.6x3.6) 90 SH
7	9108	RETAINING SCREW	18	7016	ANTI-DEBRIS TUBE
8	200067	'O' RING (12.37x2.62) 90 SH	19	222202	WASHER
9	7006	TEFLON RING	20	9150	BURST DISC
10	9105	DRIVE SHAFT	21	9229	BURST DISC SCREW
11	9106	ANTI-EXTRUSION RING			

1 PORT SINGLE TANK VALVE
M25x2 3000 PSI
Ref : 17622

1 PORT SINGLE TANK VALVE
M25x2 3300 PSI
Ref : 17623

Exploded diagram



- 'O' rings
- Exploded diagram
- Dis-assembly
- Assembly
- Technical information
- Maintenance kit

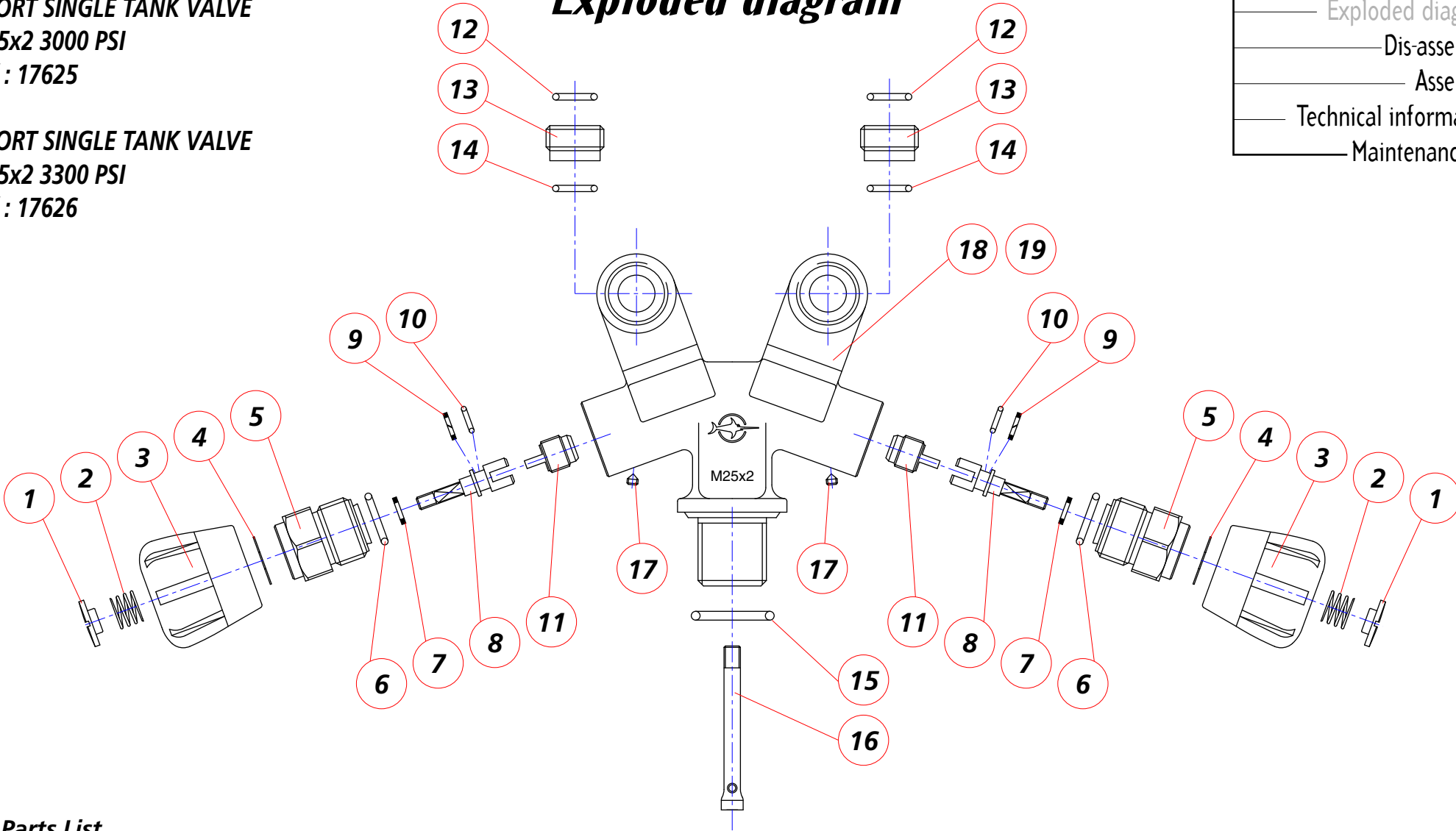
Parts List

Part	Reference	Description	Part	Reference	Description
1	9001	HANDWHEEL RETAINING SCREW	11	200053	VALVE SEAL
2	9002	HANDWHEEL SPRING	12	7017	'O' RING (12.1x2.7)
3	7000	HANDWHEEL	13	9208	DIN-YOKE ADAPTOR
4	7022	WASHER	14	7017	'O' RING (12.1x2.7)
5	9118	GLAND SCREW	15	7015	'O' RING (24.6x3.6)
6	9117	'O' RING (15x2.5) 90Sh	16	7016	ANTI-DEBRIS TUBE
7	7106	RING	17	9152	STAINLESS STEEL GRUB SCREW M4x4
8	9125	DRIVE SHAFT	18	9154	M25x2 3000 PSI 1 PORT SINGLE TANK BODY
9	9116	ANTI-EXTRUSION RING	19	9154	M25x2 3300 PSI 1 PORT SINGLE TANK BODY
10	7046	'O' RING (6.75x1.78)		17851	ST SERVICE KIT (6-7-9-10-11-12-14-15)

2 PORT SINGLE TANK VALVE
M25x2 3000 PSI
Ref : 17625

2 PORT SINGLE TANK VALVE
M25x2 3300 PSI
Ref : 17626

Exploded diagram

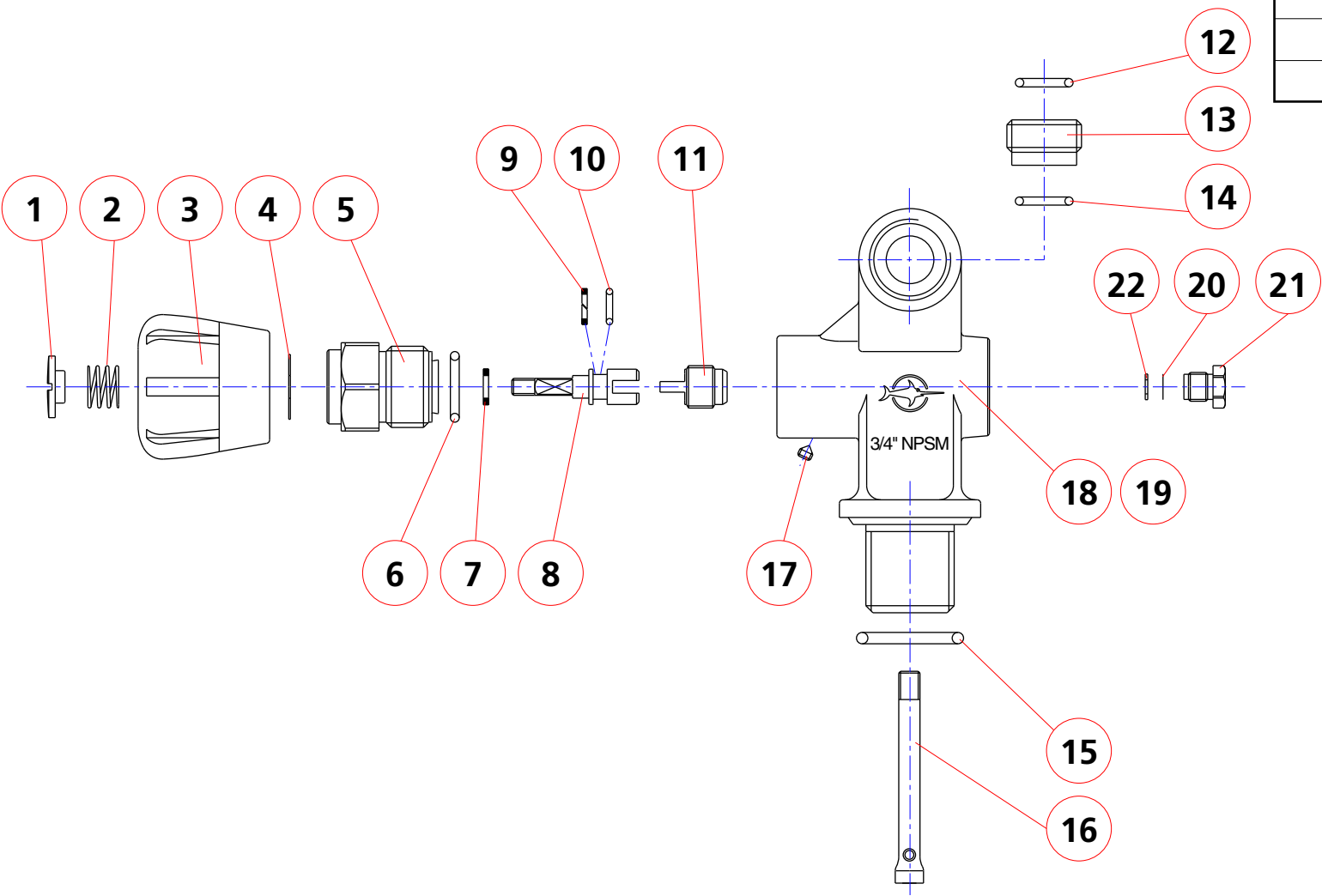


Parts List

Part	Reference	Description	Part	Reference	Description
1	9001	HANDWHEEL RETAINING SCREW	11	200053	VALVE SEAL
2	9002	HANDWHEEL SPRING	12	7017	'O' RING (12.1x2.7)
3	7000	HANDWHEEL	13	9208	DIN-YOKE ADAPTOR
4	7022	NYLON WASHER	14	7017	'O' RING (12.1x2.7)
5	9118	GLAND SCREW	15	7015	'O' RING (24.6x3.6)
6	9117	'O' RING (15x2.5) 90Sh	16	7016	ANTI-DEBRIS TUBE
7	7106	RING	17	9152	STAINLESS STEEL GRUB SCREW M4x4
8	9125	DRIVE SHAFT	18	9154	M25x2 3000 PSI 2 PORT SINGLE TANK BODY
9	9116	ANTI-EXTRUSION RING	19	9154	M25x2 3300 PSI 2 PORT SINGLE TANK BODY
10	7046	'O' RING (6.75x1.78)		17851 (x2)	ST SERVICE KIT (6-7-9-10-11-12-14-15)

1 PORT SINGLE TANK VALVE
3/4 NPSM 3400 PSI
Ref : 17630

Exploded diagram



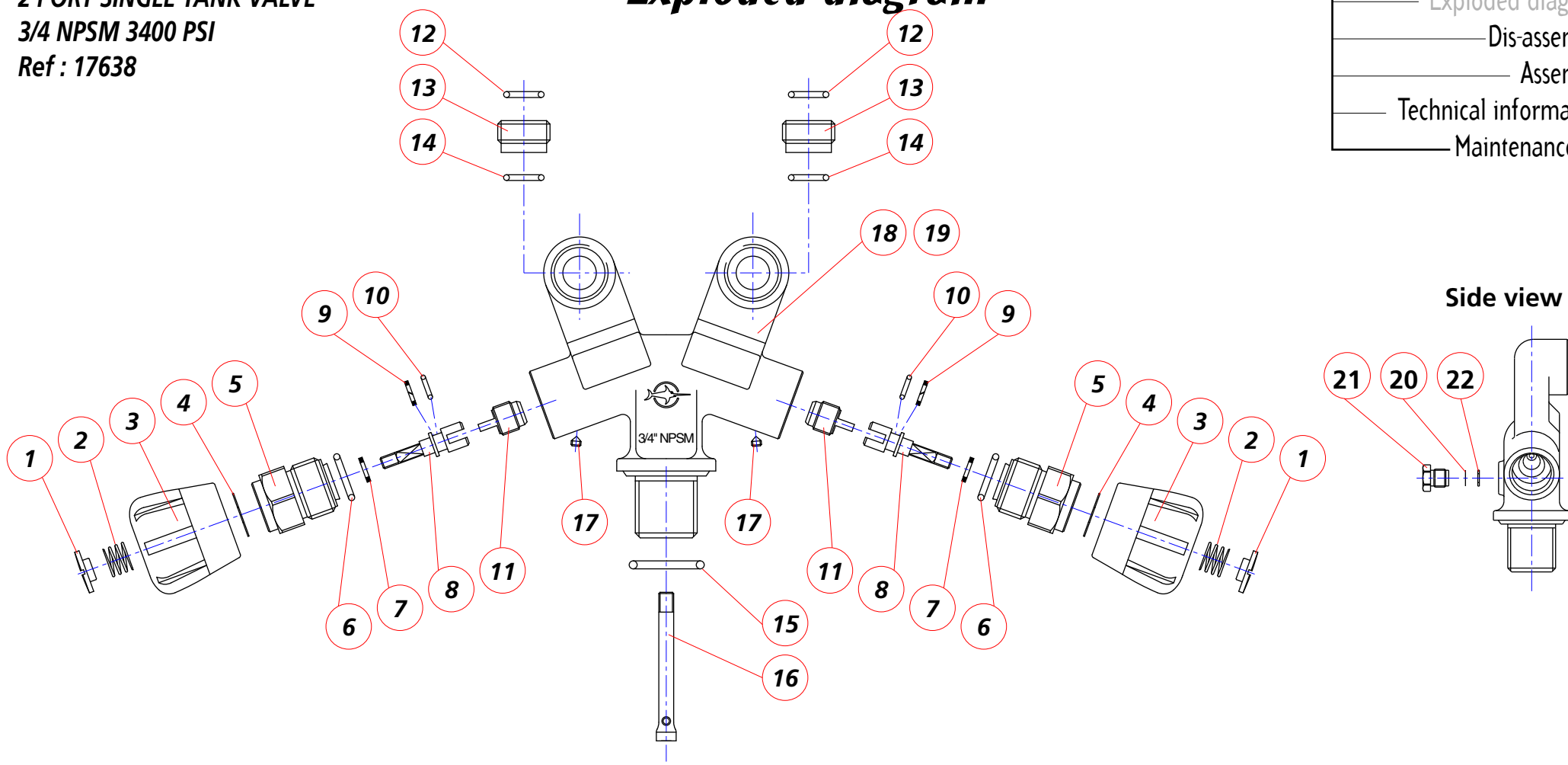
- 'O' rings
- Exploded diagram
- Dis-assembly
- Assembly
- Technical information
- Maintenance kit

Parts List

Part	Reference	Description	Part	Reference	Description
1	9001	HANDWHEEL RETAINING SCREW	12	7017	'O' RING (12.1x2.7)
2	9002	HANDWHEEL SPRING	13	9208	DIN-YOKE ADAPTOR
3	7000	HANDWHEEL	14	7017	'O' RING (12.1x2.7)
4	7022	NYLON WASHER	15	7015	'O' RING (24.6x3.6)
5	9118	GLAND SCREW	16	7016	ANTI-DEBRIS TUBE
6	9117	'O' RING (15x2.5) 90Sh	17	9152	STAINLESS STEEL GRUB SCREW M4x4
7	7106	RING	18	9164	3/4" NPSM 3000 PSI 1 PORT SINGLE TANK BODY
8	9125	DRIVE SHAFT	19	9164	3/4" NPSM 3400 PSI 1 PORT SINGLE TANK BODY
9	9116	ANTI-EXTRUSION RING	20	9150	BURST DISC
10	7046	'O' RING (6.75x1.78)	21	9229	BURST DISC SCREW
11	200053	VALVE SEAL	22	222202	WASHER

2 PORT SINGLE TANK VALVE
3/4 NPSM 3400 PSI
Ref : 17638

Exploded diagram



Parts List

Part	Reference	Description	Part	Reference	Description
1	9001	HANDWHEEL RETAINING SCREW	12	7017	'O' RING (12.1x2.7)
2	9002	HANDWHEEL SPRING	13	9208	DIN-YOKE ADAPTOR
3	7000	HANDWHEEL	14	7017	'O' RING (12.1x2.7)
4	7022	NYLON WASHER	15	7015	'O' RING (24.6x3.6)
5	9118	GLAND SCREW	16	7016	ANTI-DEBRIS TUBE
6	9117	'O' RING (15x2.5) 90Sh	17	9152	STAINLESS STEEL GRUB SCREW M4x4
7	7106	RING	18	9164	3/4" NPSM 3000 PSI 2 PORT SINGLE TANK BODY
8	9125	DRIVE SHAFT	19	9164	3/4" NPSM 3400 PSI 2 PORT SINGLE TANK BODY
9	9116	ANTI-EXTRUSION RING	20	9150	BURST DISC
10	7046	'O' RING (6.75x1.78)	21	9229	BURST DISC SCREW
11	200053	VALVE SEAL	22	222202	WASHER

Nitrox Tank valves

Check the serial No.! 1st Generation -----95F (before 01/96), 2nd Generation -----A96 (from 01/96 to 12/96), 3rd Generation -----A01 (after 01/97)

5 digits

Year

Month (F = February)

5 digits

Month (A = April)

Year

5 digits

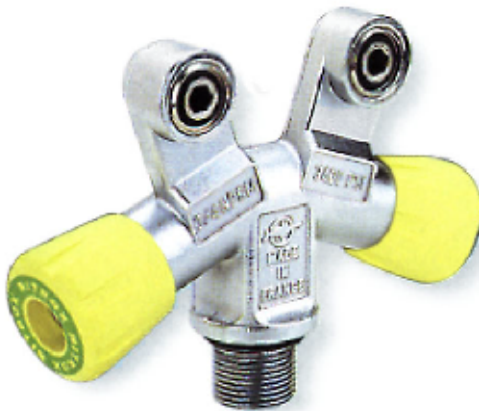
Year (A = 1997)

Month (01 = January)

M25x2 Nitrox Tank valves
up to serial N°. ----- C05 (<May 99)
or older serial N°.



1 outlet tank valve

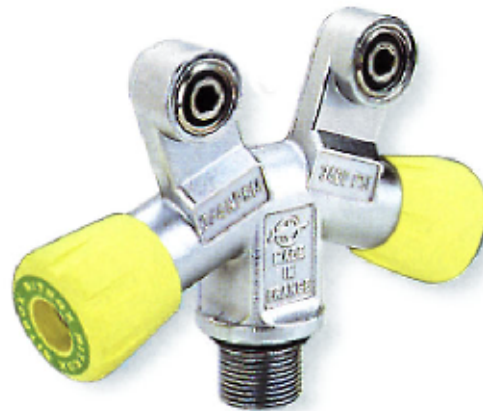


2 outlets tank valves

M25x2 Nitrox Tank valves
from serial N° ----- C05 (≥ May 99)



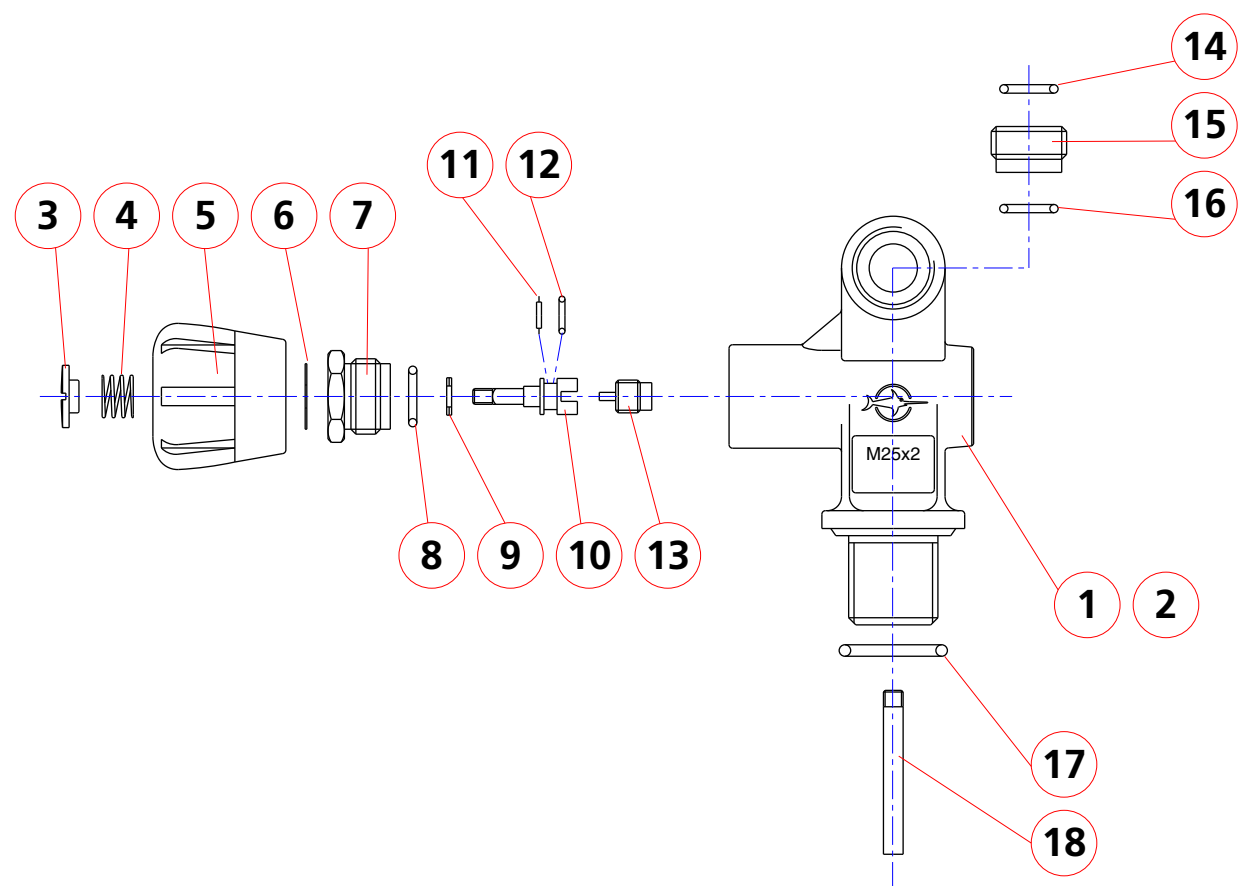
1 outlet tank valve



2 outlets tank valves

1 PORT SINGLE TANK NITROX VALVE
M25x2 3300 PSI
Reference : 17612

Exploded diagram

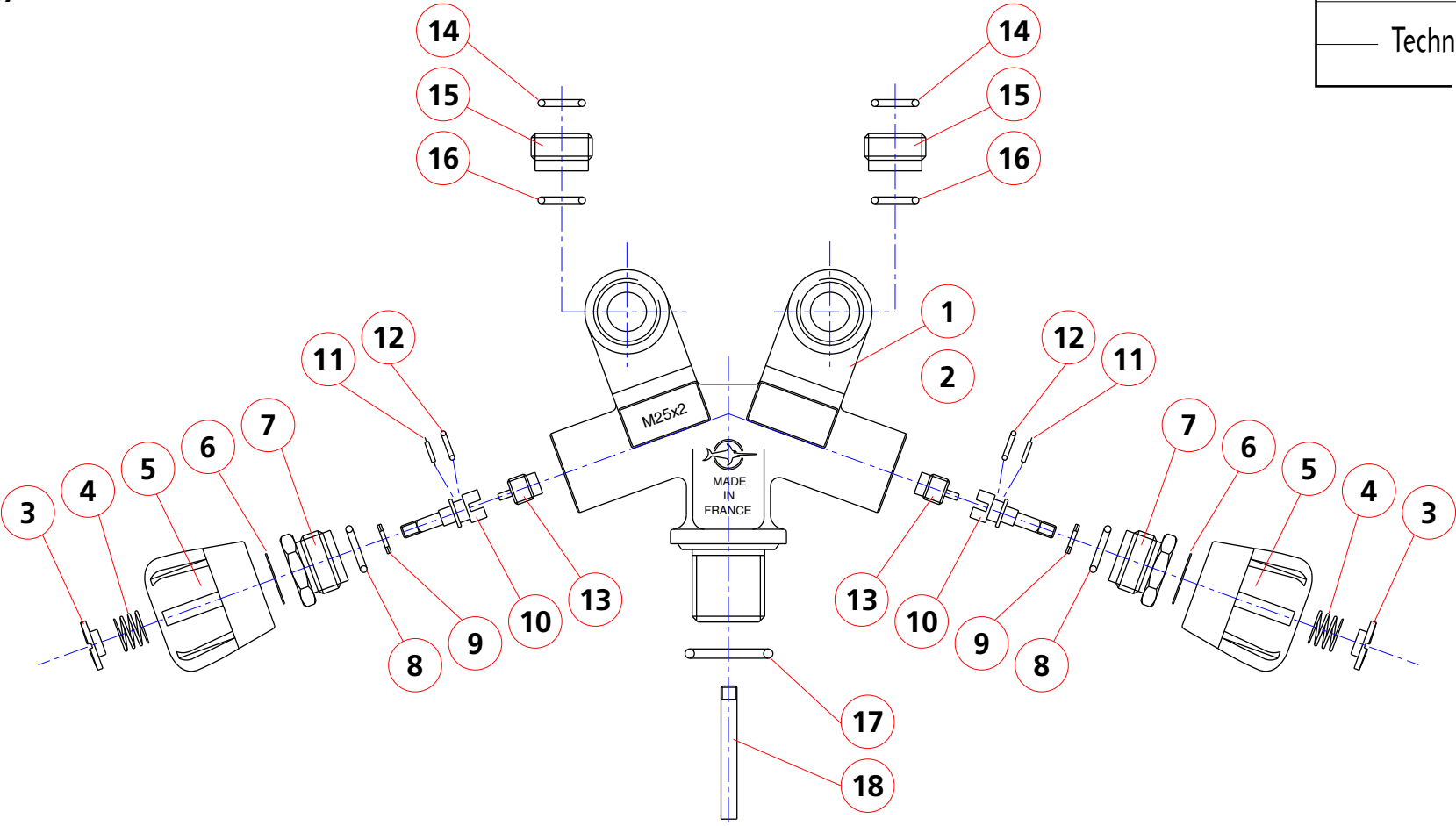


Parts list

Part	Reference	Description	Part	Reference	Description
1		M25x2 3000 PSI 1 PORT SINGLE TANK BODY	10	9105	DRIVE SHAFT
2		M25x2 3300 PSI 1 PORT SINGLE TANK BODY	11	9106	ANTI-EXTRUSION RING
3	9001	HANDWHEEL RETAINING SCREW	12	8120	'O' RING (7.5x2)
4	9002	HANDWHEEL SPRING	13	9018	VALVE SEAL
5	6999	NITROX HANDWHEEL	14	8144	'O' RING (12.1x2.7)
6	7022	NYLON WASHER	15	9208	DIN-YOKE ADAPTOR
7	9108	RETAINING SCREW	16	8144	'O' RING (12.1x2.7)
8	8127	'O' RING (12.7x2.62)	17	8123	'O' RING (24.6x3.6)
9	7006	TEFLON RING	18	7016	ANTI-DEBRIS TUBE

2 PORT SINGLE TANK NITROX VALVE
M25x2 3300 PSI
Reference : 17607

Exploded diagram



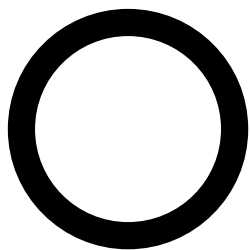
- 'O' rings
- Exploded diagram
- Dis-assembly
- Assembly
- Technical information
- Maintenance kit

Parts list

Part	Reference	Description	Part	Reference	Description
1		M25x2 3000 PSI 2 PORT SINGLE TANK BODY	10	9105	DRIVE SHAFT
2		M25x2 3300 PSI 2 PORT SINGLE TANK BODY	11	9106	ANTI-EXTRUSION RING
3	9001	HANDWHEEL RETAINING SCREW	12	8120	'O' RING (7.5x2)
4	9002	HANDWHEEL SPRING	13	9018	VALVE SEAL
5	6999	NITROX HANDWHEEL	14	8144	'O' RING (12.1x2.7)
6	7022	NYLON WASHER	15	9208	DIN-YOKE ADAPTOR
7	9108	RETAINING SCREW	16	8144	'O' RING (12.1x2.7)
8	8127	'O' RING (12.7x2.62)	17	8123	'O' RING (24.6x3.6)
9	7006	TEFLON RING	18	7016	ANTI-DEBRIS TUBE

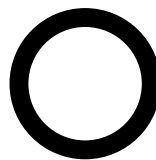
Tank Valve

O-RING



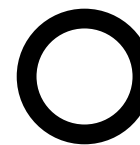
Ref.7015
(24,60 x 3,60 mm) 90Sh

NITROX Ref.8123
(24,60 x 3,60 mm) 80Sh



Ref.9117
(15,0 x 2,5 mm) 90Sh

NITROX Ref.9119
(15,0 x 2,5 mm) 80Sh



Ref. 200067
(12,37 x 2,62 mm) 90Sh

NITROX Ref.8127
(12,70 x 2,62 mm) 90Sh



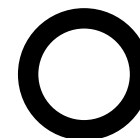
Ref.7046
(6,75 x 1,78 mm) 70Sh

NITROX Ref.8125
(6,75 x 1,78 mm) 80Sh



Ref.43067
(7,5 x 2 mm) 90Sh

NITROX Ref.8120
(7,5 x 2 mm) 90Sh



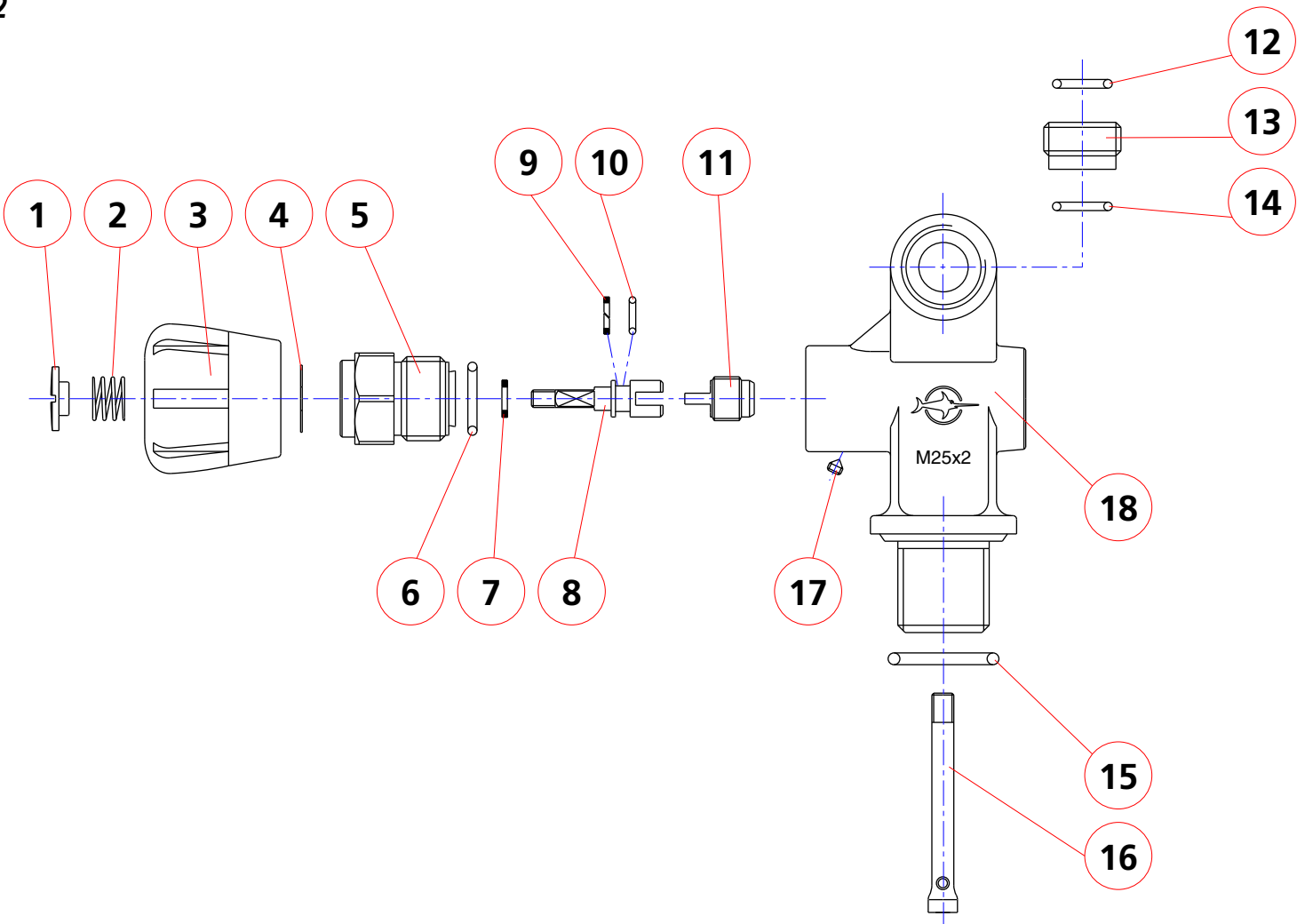
Ref.7017
(12,10 x 2,7 mm) 90Sh

NITROX Ref.8144
(12,10 x 2,7 mm) 80Sh

Quality :	Nitrile (AIR use) EPDM (NITROX use - 50% O2 max)
Hardness :	Low pressure use (0 - 300 PSI) : 70 Shore High pressure use (up to 4300 PSI) : 80 and 90 Shore
IMPORTANT NOTE :	- Never re-use worn or damaged 'O' rings. - Never use sharp or pointed tools to remove an 'O' ring. - Lightly grease 'O' rings with silicone grease (Air) or special grease for O2 use (NITROX). - Take care not to damage 'O' rings during re-assembly (screw threads, cutting edges,...).

1 PORT SINGLE TANK NITROX VALVE
M25x2 3300 PSI
Reference : 17612

Exploded diagram



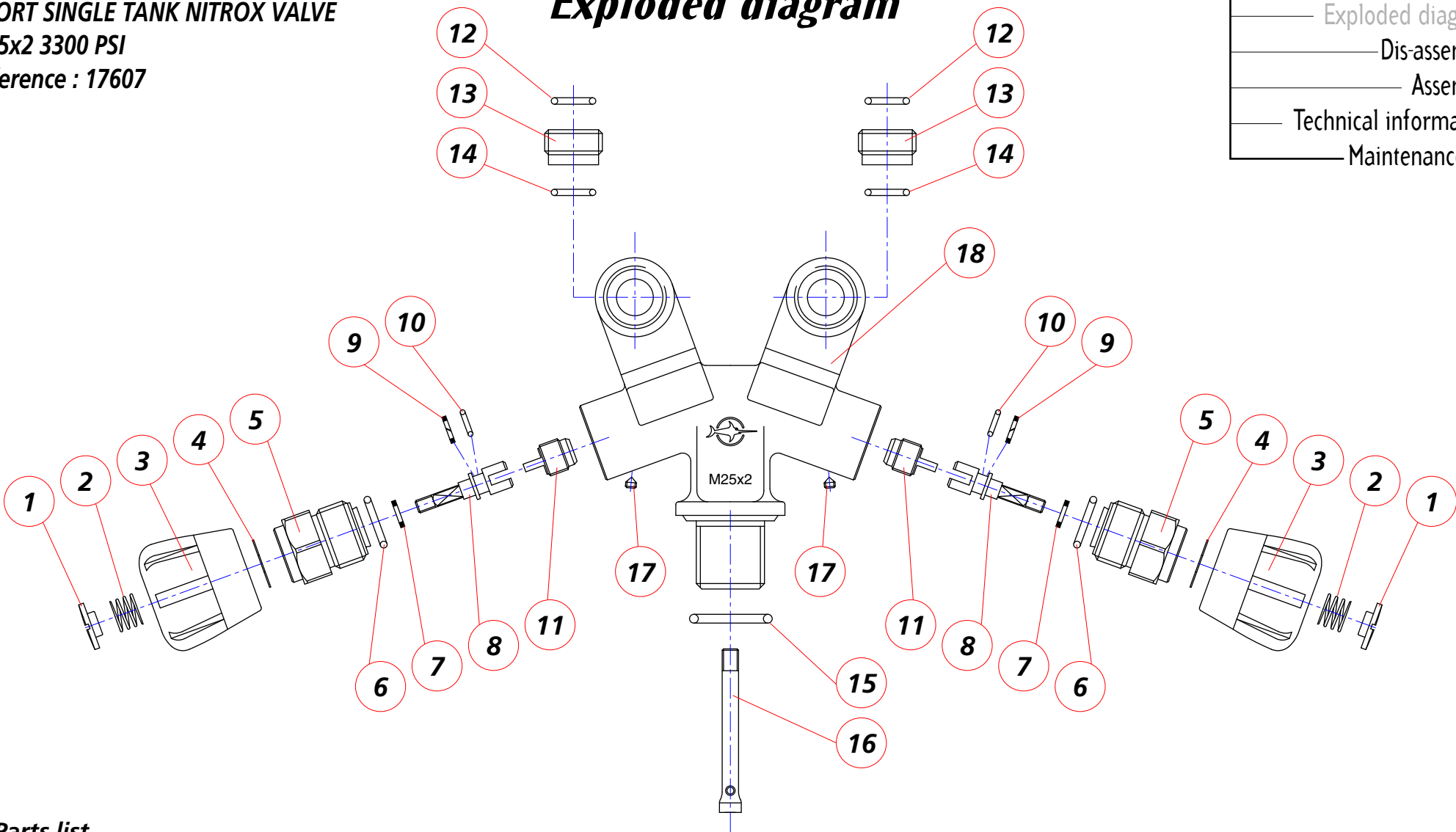
- 'O' rings
- Exploded diagram
- Dis-assembly
- Assembly
- Technical information
- Maintenance kit

Parts list

Part	Reference	Description	Part	Reference	Description
1	9001	HANDWHEEL RETAINING SCREW	10	8125	'O' RING (6.75x1.78)
2	9002	HANDWHEEL SPRING	11	200053	VALVE SEAL
3	6999	NITROX HANDWHEEL	12	8144	'O' RING (12.1x2.7)
4	7022	WASHER	13	9208	DIN-YOKE ADAPTOR
5	9118	GLAND SCREW	14	8144	'O' RING (12.1x2.7)
6	9117	'O' RING (15x2.5) 90Sh	15	8123	'O' RING (24.6x3.6)
7	7106	RING	16	7016	ANTI-DEBRIS TUBE
8	9125	DRIVE SHAFT	17	9152	STAINLESS STEEL GRUB SCREW M4x4
9	9116	ANTI-EXTRUSION RING	18	9154	M25x2 3300 PSI 1 PORT SINGLE TANK BODY

2 PORT SINGLE TANK NITROX VALVE
M25x2 3300 PSI
Reference : 17607

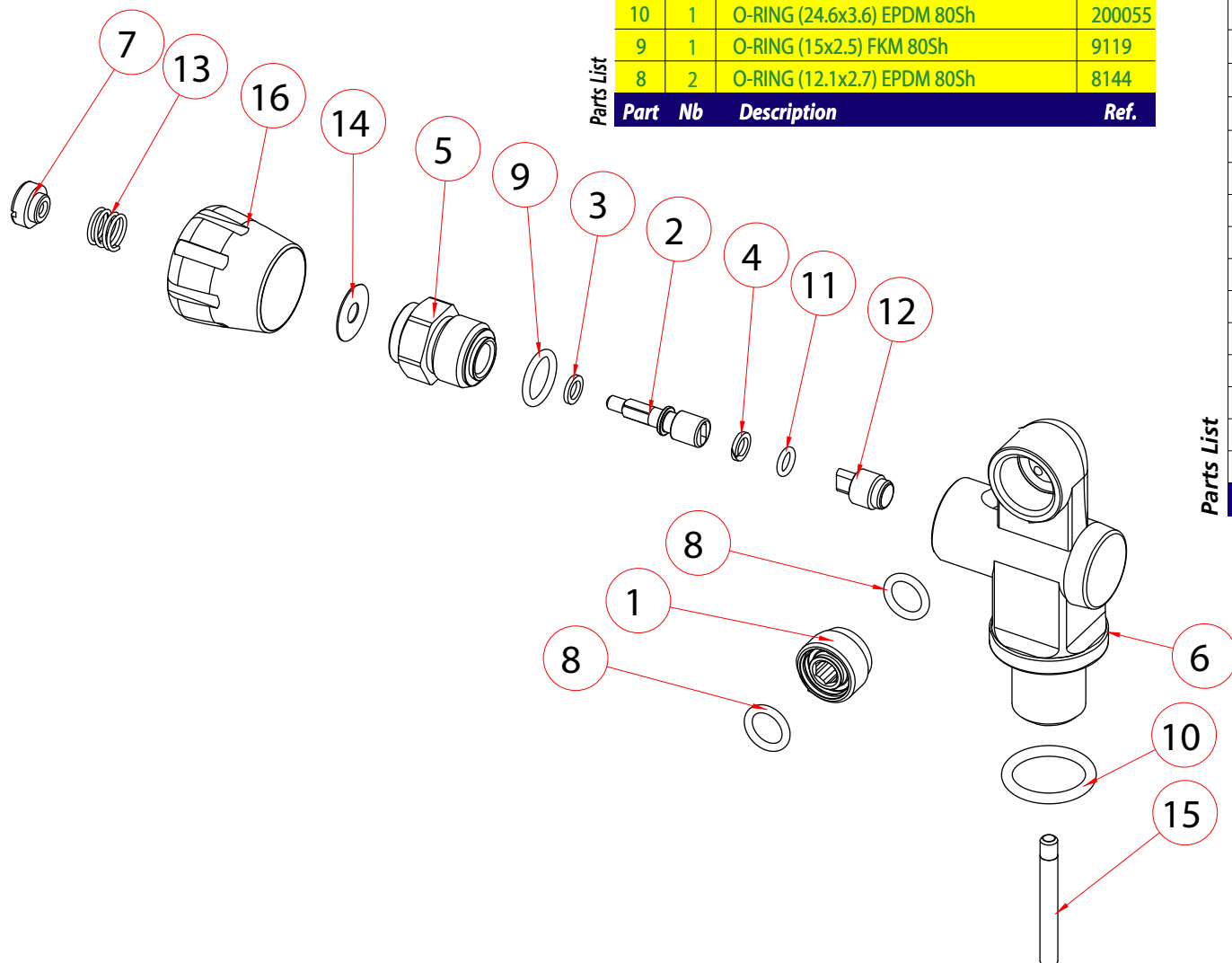
Exploded diagram



- 'O' rings
- Exploded diagram
- Dis-assembly
- Assembly
- Technical information
- Maintenance kit

Parts list

Part	Reference	Description	Part	Reference	Description
1	9001	HANDWHEEL RETAINING SCREW	10	8125	'O' RING (6.75x1.78)
2	9002	HANDWHEEL SPRING	11	200053	VALVE SEAL
3	6999	NITROX HANDWHEEL	12	8144	'O' RING (12.1x2.7)
4	7022	WASHER	13	9208	DIN-YOKE ADAPTOR
5	9118	GLAND SCREW	14	8144	'O' RING (12.1x2.7)
6	9117	'O' RING (15x2.5) 90Sh	15	8123	'O' RING (24.6x3.6)
7	7106	RING	16	7016	ANTI-DEBRIS TUBE
8	9125	DRIVE SHAFT	17	9152	STAINLESS STEEL GRUB SCREW M4x4
9	9116	ANTI-EXTRUSION RING	18	9153	M25x2 3300 PSI 2 PORT SINGLE TANK BODY



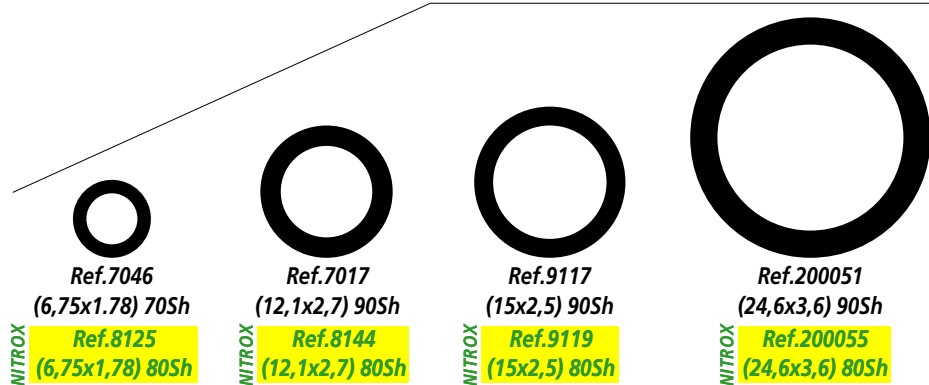
NITROX				
11	1	O-RING (6.75x1.78) FKM 80Sh	8125	
10	1	O-RING (24.6x3.6) EPDM 80Sh	200055	
9	1	O-RING (15x2.5) FKM 80Sh	9119	
8	2	O-RING (12.1x2.7) EPDM 80Sh	8144	
Part	Nb	Description	Ref.	

Parts List

Maintenance Kit Ref. 17851				Torque (Nm / Ft./Lbs)	
16	1	HANDWHEEL	7000		
15	1	ANTI-DEBRIS TUBE LG50	7016		
14	1	TEFLON WASHER 20x7x0.5	7022		
13	1	HANDWHEEL SPRING	9002		
12	1	VALVE SEAL	9155		
11	1	O-RING (6.75x1.78) N70Sh	7046		
10	1	O-RING (24.6x3.6) N90Sh	200051		
9	1	O-RING (15x2.5) N90Sh	9117		
8	2	O-RING (12.1x2.7) N90Sh	7017		
7	1	HANDWHEEL RETAINING SCREW	9001		
6	1	M25x2 230 B / 3400 PSI 1 PORT SINGLE TANK BODY 2002	9154		
5	1	GLAND SCREW	9118	40/29	
4	1	ANTI-EXTRUSION RING	9116		
3	1	RING	7106		
2	1	DRIVE SHAFT	9126		
1	1	DIN-YOKE ADAPTOR	9208	20/14,5	
Part	Nb	Nb	Description	Ref.	

Parts List

O-Ring



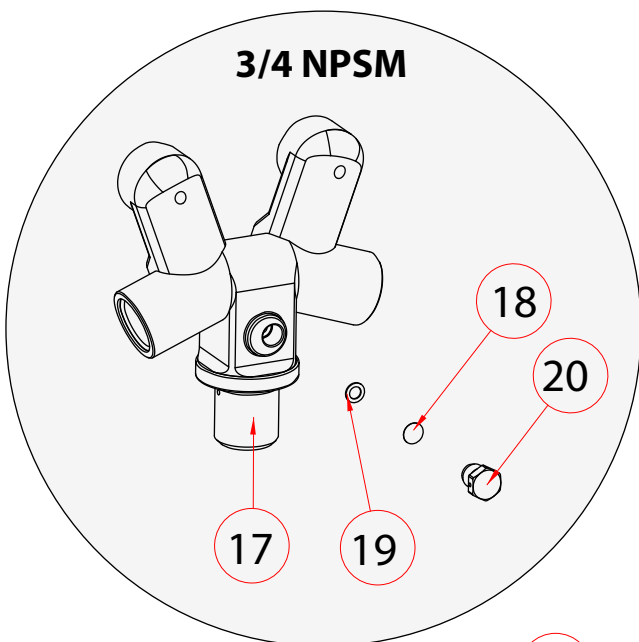
Quality :	Nitrile (AIR use)
	EPDM (NITROX use - 50% O2 max)
Hardness :	Low pressure use (0 - 300 PSI) : 70 Shore
	High pressure use (up to 4300 PSI) : 80 and 90 Shore
IMPORTANT NOTE :	- Never re-use worn or damaged 'O' rings. - Never use sharp or pointed tools to remove an 'O' ring. - Lightly grease 'O' rings with silicone grease (AIR) or special grease for O2 use (NITROX). - Take care not to damage 'O' rings during re-assembly (screw threads, cutting edges,...).

Tank Valve

2 Outlets valves
SAS Concept (2002)

M25x2 - 3/4 NPSM
M25x2 Nitrox - 3/4 NPSM Nitrox

Exploded Diagram

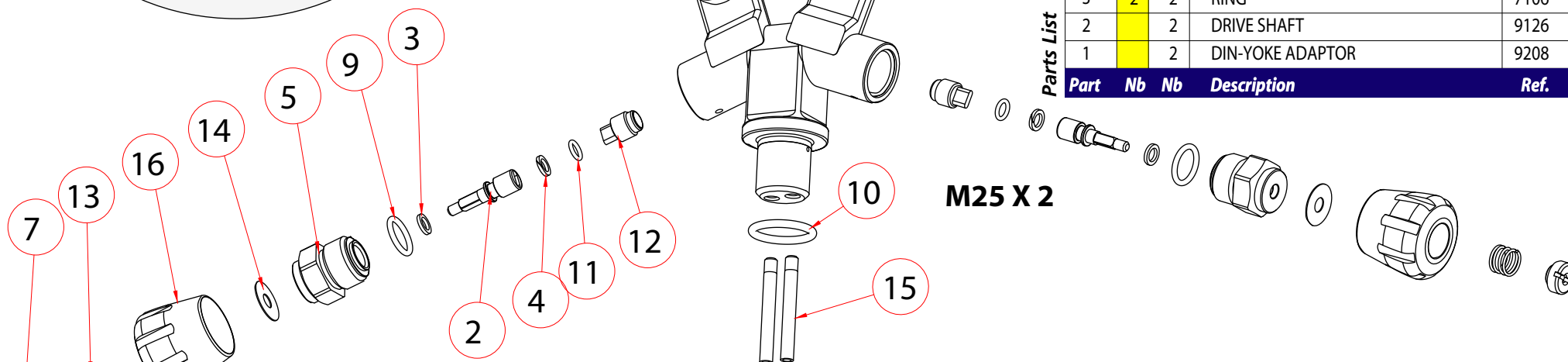


NITROX				
11	2	O-RING (6.75x1.78) FKM 80Sh	8125	
10	1	O-RING (24.6x3.6) EPDM 80Sh	200055	
9	2	O-RING (15x2.5) FKM 80Sh	9119	
8	4	O-RING (12.1x2.7) EPDM 80Sh	8144	
Part	Nb	Description	Ref.	

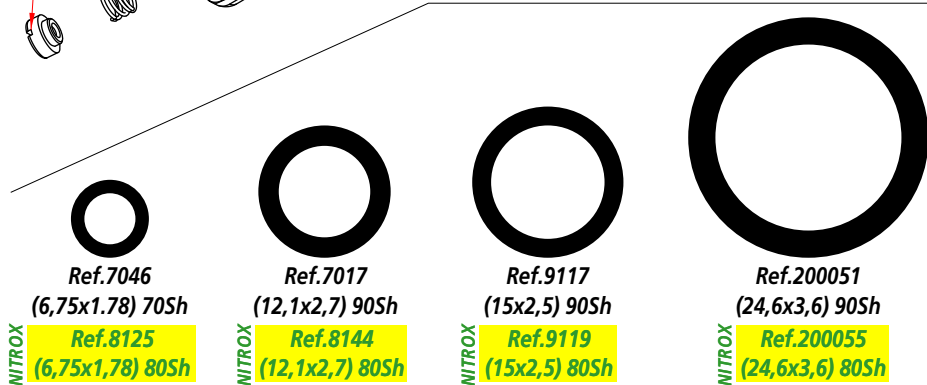
Parts List

2 x Maintenance Kit Ref. 17851				Torque (Nm / Ft./Lbs)	
US - 3/4 NPSM	20	1	BURST DISC SCREW	9150	
	19	1	BURST DISC WASHER	222202	
	18	1	BURST DISC 230 B / 3400 PSI	9228	
	17	1	3/4 NPSM 230 B / 3400 PSI 2 PORT SINGLE TANK BODY 2002	9163	
Parts List	16	2	HANDWHEEL	7000	
	15	2	ANTI-DEBRIS TUBE LG50	7016	
	14	2	TEFLON WASHER 20x7x0.5	7022	
	13	2	HANDWHEEL SPRING	9002	
	12	2	VALVE SEAL	9155	
	11	2	O-RING (6.75x1.78) N70Sh	7046	
	10	1	O-RING (24.6x3.6) N90Sh	200051	
	9	2	O-RING (15x2.5) N90Sh	9117	
	8	4	O-RING (12.1x2.7) N90Sh	7017	
	7	2	HANDWHEEL RETAINING SCREW	9001	
	6	1	M25x2 230 B / 3400 PSI 2 PORT SINGLE TANK BODY 2002	9153	
	5	2	GLAND SCREW	9118	40/29
	4	2	ANTI-EXTRUSION RING	9116	
	3	2	RING	7106	
	2	2	DRIVE SHAFT	9126	
1	2	DIN-YOKE ADAPTOR	9208	20/14,5	
Part Nb Nb Description Ref.					

Parts List



O-Ring



Quality :

Nitrile (AIR use)

EPDM (NITROX use - 50% O2 max)

Hardness :

Low pressure use (0 - 300 PSI) : 70 Shore

High pressure use (up to 4300 PSI) : 80 and 90 Shore

IMPORTANT

NOTE :

- Never re-use worn or damaged 'O' rings.

- Never use sharp or pointed tools to remove an 'O' ring.

- Lightly grease 'O' rings with silicone grease (Air) or special grease for O2 use (NITROX).

- Take care not to damage 'O' rings during re-assembly (screw threads, cutting edges,...).

Tank Valve

2 Outlets Valves
(2004)

M25x2

Exploded Diagram

Part	Ref.	Description
1	010588003481	Handwheel nut
2	010040002192	Handwheel spring
3	010999902348	Handwheel
5	010900001574	Nylon washer
8	010900002217	Teflon washer
9	010588003449	Drive shaft
24	010588040028	DIN / YOKE - Adaptor
25	010588035214	Anti-debris Tube
27	010910030509	O-Ring O.R 3050 90 SH
28	010900002031	Anti-extrusion Ring
29	010910020317	O-Ring O.R 2031 70-75 SH
30	010910020817	O-Ring O.R 2081 70-75 SH
31	010910040939	O-Ring O.R 4093 90 SH
32	010910011590	O-Ring O.R 115 90 SH
39	010588003465	Retaining connector
40	010910020567	O-Ring O.R 2056 70 SH
41	010999902425	Valve seal 1/4"
44	010588002702	Retaining main body
45 b	010588212700	TANK valve main body
46	010910020027	O-Ring O.R 20x2. 70 SH
47	010588322711	2nd stage main body
48	010900002579	Anti-extrusion ring
49	010588222712	Spacer connector
50	010900022713	Spacer

