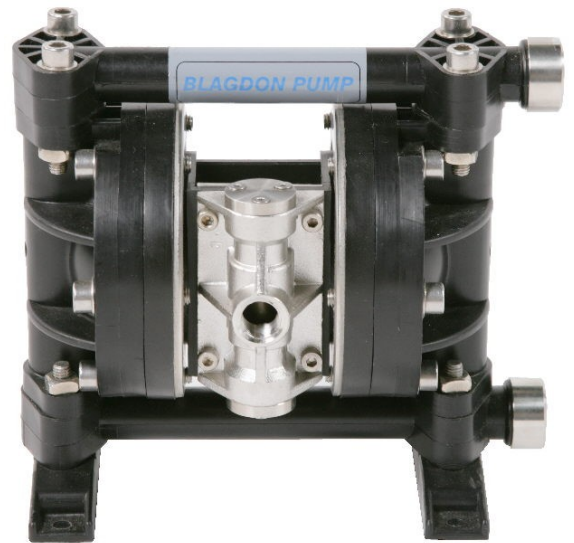


SERVICE & OPERATING MANUAL
AIR OPERATED DOUBLE DIAPHRAGM PUMP

B06
AIR OPERATED
DOUBLE DIAPHRAGM PUMP

Non-Metallic
04 Series



P.H.A. sas

14 Z.A. LES PIBOULES
84300 LES TAILLADES
FRANCE
TEL. 04.90.78.19.99
FAX 04.90.78.09.00
E-Mail : contact@pha.fr



PARTS LIST

REF No.	PART NUMBER	DESCRIPTION		QTY
1	D266	SOCKET CAP SCREW	M6 X 35	8
2	C048	WASHER	M6	20
3	SEE TABLE	MANIFOLD		2
4	06-053	MANIFOLD BAND		2
5	SEE TABLE	O-RING	◆	4
6	SEE TABLE	BALL STOP		2
7	SEE TABLE	VALVE BALL (DISCHARGE)	◆	2
8	SEE TABLE	VALVE SEAT (DISCHARGE)		2
9	06-034	SILENCER		1
10	06-170	GASKET	□	2
11	06-061	INNER COVER RING		2
12	06-036	INNER COVER		2
13	L502	SELF TAPPING SCREW		8
14	SEE TABLE	DIAPHRAGM	◆	2
15	B272	SQUARE NUT	M6	8
16	D355	SOCKET CAP SCREW	M6 X 30	12
17	SEE TABLE	VALVE BALL (SUCTION)	◆	2
18	SEE TABLE	VALVE SEAT (SUCTION)		2
19	06-092	VALVE BLOCK STRAP		2
20	06-039	VALVE CHEST		1
21	06-002	PORT SEAL	□	1
22	06-132	DIAPHRAGM SHAFT		1
23	06-153	DIAPHRAGM SHAFT BUSH 'B' (INNER)		2
24	G279	O-RING	□	2
25	06-210	DIAPHRAGM SHAFT BUSH 'A' (OUTER)		2
26	06-209	LIP SEAL	□	6
27	G264	O-RING	□	2
28	SEE TABLE	OUTER COVER		2
29	SEE TABLE	FRONTPLATE		2
30	06-063	DIAPHRAGM - PTFE OVERLAY	◆	2
31	06-147	DIAPHRAGM SUPPORT	◆	2
32	06-009	BACKPLATE		2
33	D322	SOCKET CAP SCREW	M4 X 10	4
34	06-005	VALVE CARRIER		1
35	G258	O-RING	□	2
36	06-040	VALVE BLOCK PLUG		2
37	D492	SOCKET CAP SCREW	M3 X 8	6

PARTS LIST - cont.

REF No.	PART NUMBER	DESCRIPTION		QTY
38	06-097	VALVE BLOCK		1
39	06-004	SLIDE VALVE		1
40	06-003	SLIDE VALVE PLATE		1
41	06-059	PLATE SEAL	□	1
42	SEE TABLE	BASE LEG		2
43	D358	SOCKET CAP SCREW	M6 X 40	4
44				

REF No.	DESCRIPTION	POLYPROPYLENE	PVDF	QTY
3	MANIFOLD	06-017	06-128	2
6	BALL STOP	06-099	06-124	2
8	VALVE SEAT (DISCHARGE)	06-171	06-172	2
18	VALVE SEAT (SUCTION)	06-098	06-125	2
28	OUTER COVER	06-100	06-129	2
29	FRONTPLATE	06-037	06-127	2
42	BASE LEG	06-035	06-126	2

ELASTOMER TABLE							
REF No.	DESCRIPTION	HYTREL	EPDM	VITON	PTFE	SANTOPRENE®	QTY
14	DIAPHRAGM	06-010	06-070	06-060	06-063 + 06-147	06-147	2
5	O-RING	G334	G333	G336	G256	-	4

ELASTOMER TABLE						
REF No.	DESCRIPTION	PTFE	VITON	STAINLESS STEEL	PTFE (ONE-PIECE)	QTY
7	VALVE BALL (DISCHARGE)	06-145	06-151	06-146	-	2
17	VALVE BALL (SUCTION)	06-108	06-109	06-110	-	2
14	DIAPHRAGM	-		-	06-174	2

◆ - These items are available in a recommended spares kit. Please refer to your local stockist / distributor for details.

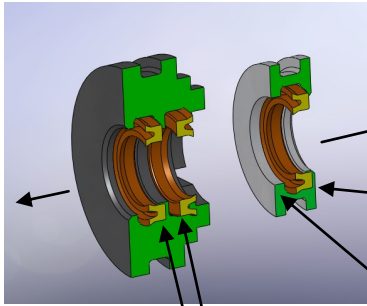
□ - These items are available in a recommended spares kit - ASK0604 - Air side Kit.
Note! This kit covers both standard and Lube Free models. There is no "dry air" version available for 06 pumps.

Santoprene is a registered trade name of Monsanto Corp.

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Lip Seal Positions



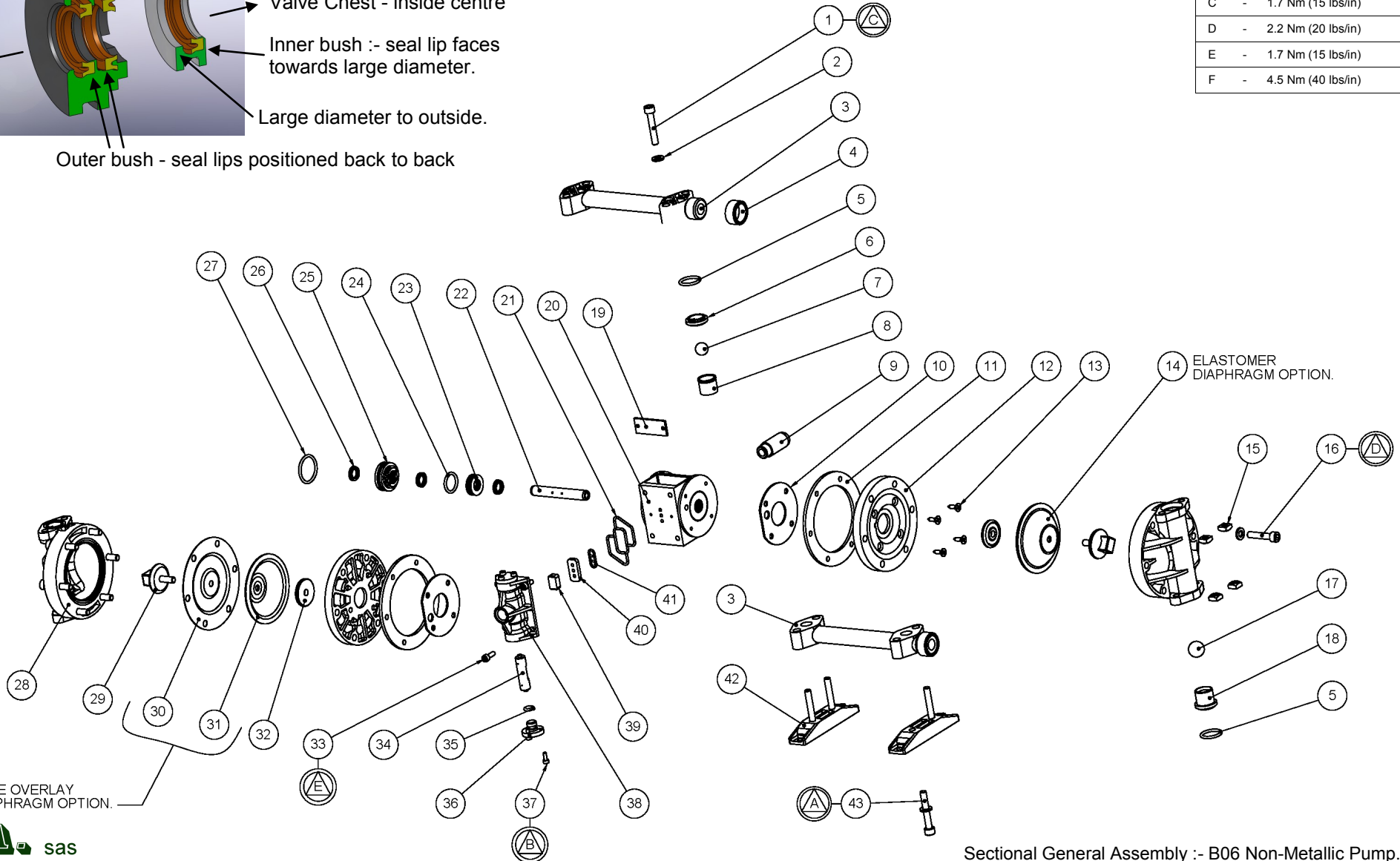
Valve Chest - inside centre

Inner bush :- seal lip faces towards large diameter.

Large diameter to outside.

Outer bush - seal lips positioned back to back

TORQUE SETTINGS	
A	- 1.7 Nm (15 lbs/in)
B	- 1.0 Nm (10 lbs/in)
C	- 1.7 Nm (15 lbs/in)
D	- 2.2 Nm (20 lbs/in)
E	- 1.7 Nm (15 lbs/in)
F	- 4.5 Nm (40 lbs/in)



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Sectional General Assembly :- B06 Non-Metallic Pump.
Refer to page 8 Parts List table for item Ref. Nos.