

OPERATOR'S MANUAL

PH30F-XXX-XXX-C

INCLUDING: OPERATION, INSTALLATION & MAINTENANCE

RELEASED: 5-28-08
 REVISED: 11-13-10
 (REV. 04)

3" DIAPHRAGM PUMP 2:1 RATIO (METALLIC)



**READ THIS MANUAL CAREFULLY BEFORE INSTALLING,
 OPERATING OR SERVICING THIS EQUIPMENT.**

It is the responsibility of the employer to place this information in the hands of the operator. Keep for future reference.

SERVICE KITS

Refer to Model Description Chart to match the pump material options.

637441-XX for fluid section repair (see page 4). NOTE: This kit also contains several air motor seals which will need to be replaced.

637369 for air section repair (see page 6).

637374-6 major air valve assembly (see page 7).

PUMP DATA

Models see Model Description Chart for "-XXX"

Pump Type Metallic Air Operated Double Diaphragm

Material see Model Description Chart

Weight 268 lbs (121.6 kgs)

Maximum Air Inlet Pressure 100 p.s.i.g. (6.9 bar)

Maximum Material Inlet Pressure 10 p.s.i.g. (0.69 bar)

Maximum Outlet Pressure 200 p.s.i.g. (13.8 bar)

Maximum Flow Rate 150 g.p.m. (567.8 l.p.m.)

flooded inlet 160 g.p.m. (605.6 l.p.m.)

Displacement / Cycle @ 100 p.s.i.g. 1.4 gal. (5.3 lit.)

Maximum Particle Size 3/8" dia. (9.5 mm)

Maximum Temperature Limits (diaphragm / ball / seal material)

E.P.R. / EPDM -60° to 280° F (-51° to 138° C)

Hytrel® -20° to 150° F (-29° to 66° C)

Nitrile 10° to 180° F (-12° to 82° C)

Polypropylene 35° to 175° F (2° to 79° C)

Santoprene® -40° to 225° F (-40° to 107° C)

PTFE 40° to 225° F (4° to 107° C)

Viton® -40° to 350° F (-40° to 177° C)

Dimensional Data see page 8

Noise Level @ 70 p.s.i., 50 c.p.m. ① .. 83.0 db(A)②

① Tested with 67263 muffler assembly installed.

② The pump sound pressure levels published here have been updated to an Equivalent Continuous Sound Level (L_{Aeq}) to meet the intent of ANSI S1.13-1971, CAGI-PNEUROPS 55.1 using four microphone locations.

NOTICE: All possible options are shown in the chart, however, certain combinations may not be recommended, consult a representative or the factory if you have questions concerning availability.

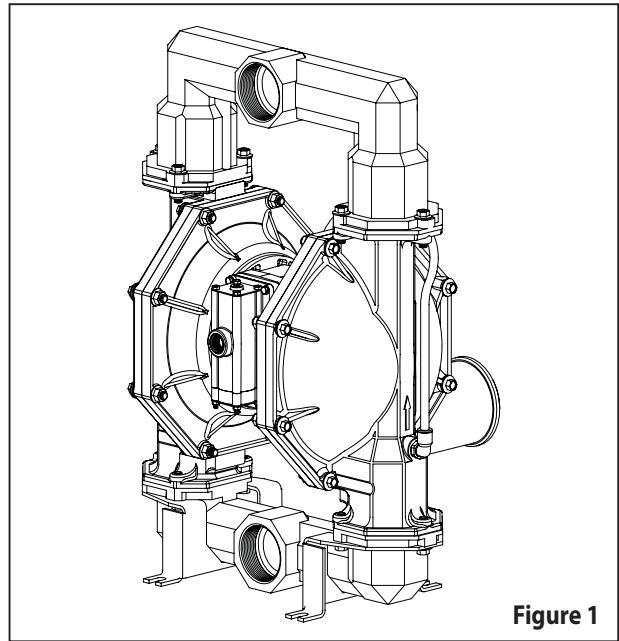


Figure 1

MODEL DESCRIPTION CHART

PH30F - <u>X</u> <u>S</u> <u>S</u> - <u>S</u> <u>X</u> <u>X</u> - C	
Air Motor / Air Cap Material F - Conductive Polypropylene / Stainless Steel	
Fluid Connection A - 3 - 8 N.P.T.F. - 1 B - Rp 3 (3 - 11 BSP parallel)	
Fluid Cap & Manifold Material S - Stainless Steel	
Hardware Material S - Stainless Steel	
Seat Material S - Stainless Steel	
Ball Material A - Santoprene T - PTFE C - Hytrel V - Viton	
Diaphragm Material A - Santoprene T - PTFE / Santoprene C - Hytrel	
Fluid Section Service Kit Selection	
EXAMPLE: Model #PH30F-ASS-SAA-C Fluid Section Service Kit # 637441-AA	
PH30F - ASS - S <u>X</u> <u>X</u> - C 637441 - <u>X</u> <u>X</u> Ball — Diaphragm	