



This manual contains important warnings and information.
READ AND KEEP FOR REFERENCE.

INSTRUCTIONS

First choice when
quality counts.™

ACETAL PUMP WITH PTFE DIAPHRAGMS

Husky™ 307 Air-Operated Diaphragm Pumps

100 psi (0.7 MPa, 7 bar) Maximum Fluid Working Pressure

100 psi (0.7 MPa, 7 bar) Maximum Air Input Pressure

Part No. 238-570, Series D

With full manifold, short stroke pump

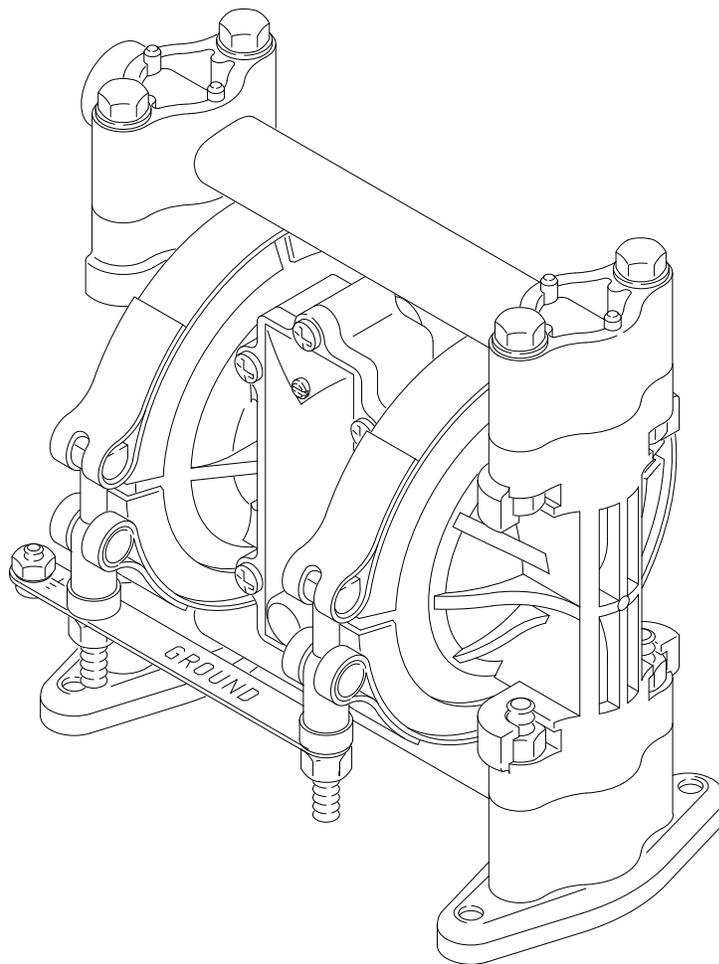
Part No. 238-576, Series D

With full manifold, full stroke pump

Part No. 238-577, Series D

With split manifold, full stroke pump

NOTE: Refer to instruction manual
308-553 (supplied) for important safety
warnings and installation, operation, and
service instructions.



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Parts

Use Only Genuine Graco Parts and Accessories

Ref. No.	Part No.	Description	Qty
1	191-405	HOUSING, pump	1
2†	187-706	COVER, air valve; polypropylene	1
3†	187-722	SPRING, compression; sst	1
4†	187-853	STOP, link; acetal	1
5†	192-675	CUP, valve; acetal	1
6†	187-728	SPRING, compression; sst	1
7†	187-730	COLLAR, detent; sst	1
8†	111-629	BALL, detent; carbide	1
9†	187-726	BEARING, link; acetal	1
10	111-631	SCREW, thread-forming; 1/4-20; 0.375 in. (9.5 mm) long	2
11	111-881	MUFFLER	1
12	187-719	SEAL, plate, valve; buna-N	1
13	187-720	PLATE, valve; sst	1
14†	187-718	SADDLE, shift; acetal	1
15†	111-630	SCREW, thread-forming; 10-14 size; 0.75 in. (19 mm)	7
16†	187-724	LINK, actuator; sst	1
17†	188-175	SPACER, link; acetal	1
18†	111-750	WASHER, plain; sst	1
19†	111-624	O-RING; buna-N	1
20†	111-625	O-RING; buna-N	1
21†	187-727	SHAFT, reset; sst	1
22†	192-526	LINK, detent; sst	1
23●	191-781	SHAFT, diaphragm; sst	1
26†	111-920	GREASE, general purpose; 0.375 oz. (10.5 g); not shown	1
27	100-179	NUT, hex; 10-24	1
28	102-790	SCREW; 10-24; 0.718 in. (18 mm)	1
29	100-718	LOCKWASHER, int. tooth; no. 10	2
30*●	113-704	O-RING; Viton®	2
31*●	191-779	BEARING; acetal	2

Ref. No.	Part No.	Description	Qty
101	187-701	COVER, fluid; acetal with conductive sst fibers	2
102	235-337	MANIFOLD; acetal with conductive sst fibers; <i>Pump 238-570 and 238-576 only</i>	2
	190-152	MANIFOLD, split; acetal; <i>Pump 238-577 only</i>	4
103	187-711	PLATE, fluid side; acetal	2
104	111-634	BOLT; 5/16-18; 2.25 in. (57 mm)	8
106	108-946	NUT; 5/16-18	8
107	187-721	FEET	2
108*	111-603	O-RING; PTFE	8
109▲	187-732	LABEL, warning	1
110	113-511	SPACER, 4:1 stroke; Thiokol®, color-coded brown; <i>Pump 238-570 only</i>	2
111	187-820	CLAMP	2
112	191-079	STRIP, grounding	1
113	112-499	NUT, clamp; 1/4-28	2
114	113-527	ELBOW, 10-32 m x f	2
115	110-932	CONNECTOR, male; 5/32" O.D. tube x 10-32	2
116	186-533	TUBE; nylon; 5/32 in. (4 mm) O.D.; 26 in. (660 mm) long	1
118	191-741	PLATE, air side; sst	2
119*	190-245	SEAT; sst	4
120*	187-707	GUIDE; acetal	4
121*	187-716	DIAPHRAGM; PTFE	2
124*	166-071	O-RING; buna-N	2
125*	112-926	BALL; sst	4

† These parts are included in Air Valve Kit 239-952, which may be purchased separately. The kit includes only one screw (15), shown in the Detail on page 3.

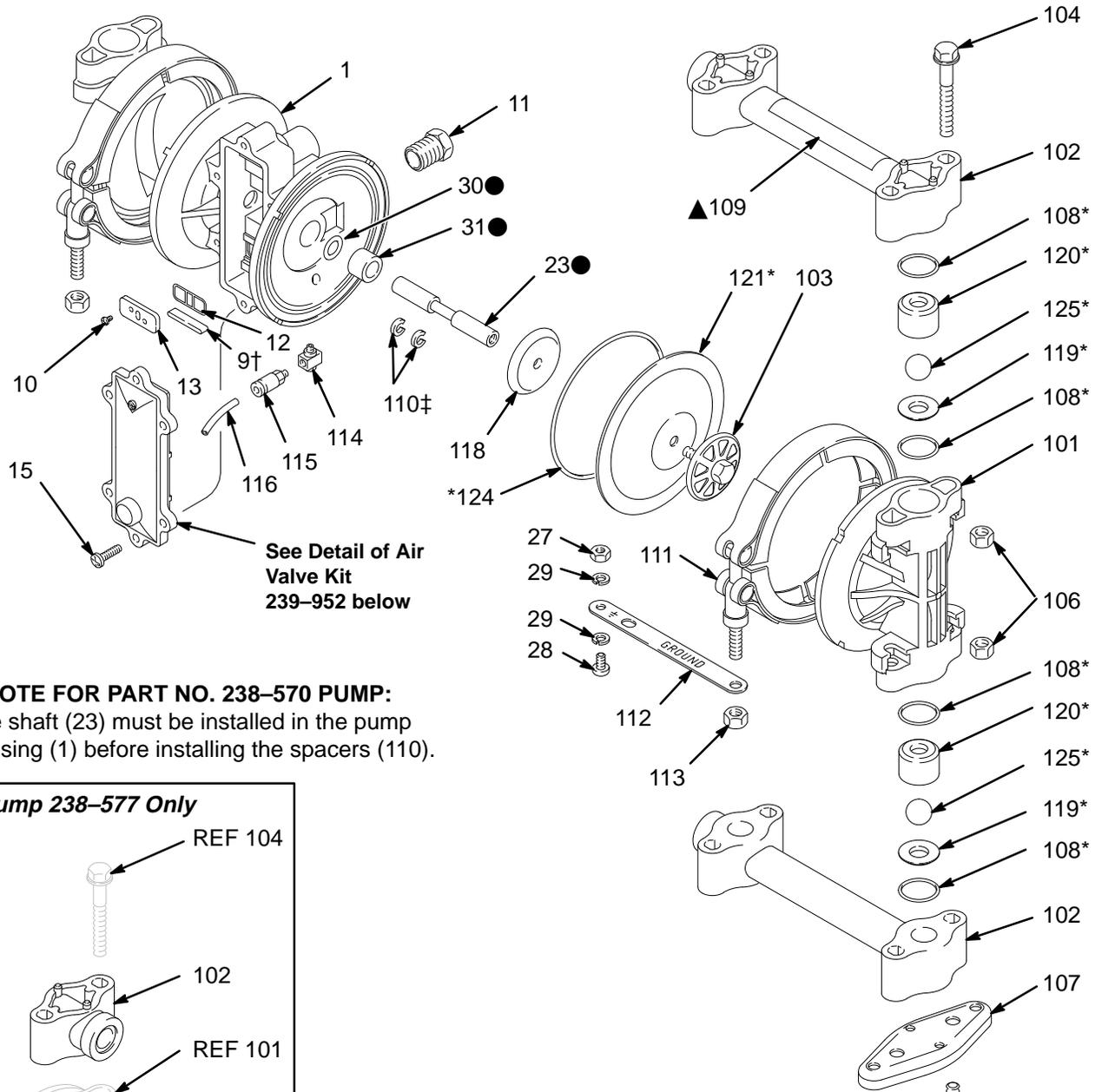
* Included in Pump Repair Kit 238-871, which may be purchased separately.

▲ Replacement Danger and Warning labels, tags and cards are available at no cost.

● These parts are included in Diaphragm Shaft Kit 239-014, which may be purchased separately.

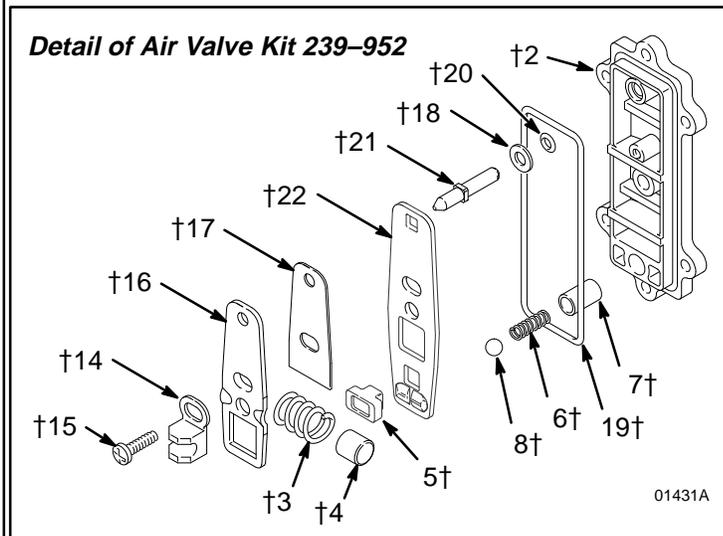
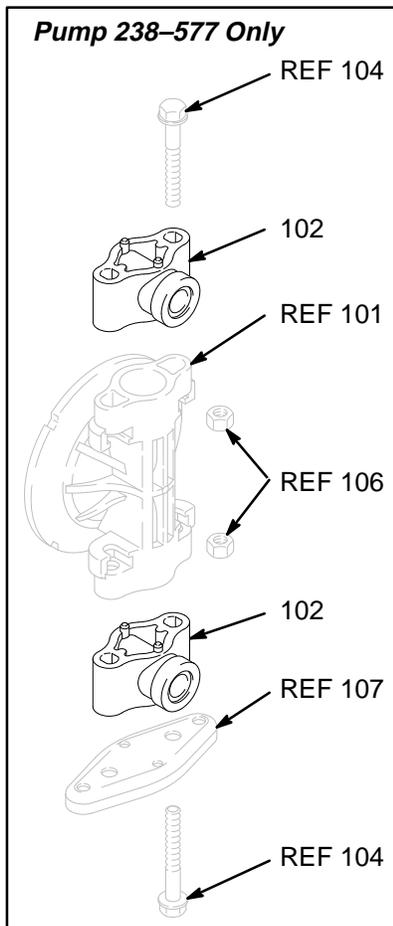
Parts

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See Detail of Air Valve Kit 239-952 below

‡ NOTE FOR PART NO. 238-570 PUMP:
The shaft (23) must be installed in the pump housing (1) before installing the spacers (110).



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Manual Change Summary

This manual went from Rev. E to Rev. F to change the Series of all pumps in this revision to D. Series D changes include new part numbers for Ref. No. 5 and Ref. No. 22, and the Air Valve Kit has a new part number. See page 2.

Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale by an authorized Graco distributor to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

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Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

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Technical Data

Refer to manual 308-553 (supplied) for Technical Data and Performance Charts. For wetted parts, refer to the Parts List on page 2.

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