**KEEP FOR REFERENCE.**
See pump and motor manuals (supplied) for important **safety warnings** and installation, operation, and service instructions.

INSTRUCTIONS

First choice when quality counts.™

AIR-OPERATED DOUBLE DIAPHRAGM Bulk Transfer Packages

Model No. 244679, 1050 AODD Dual Inlet

120 psi (0.8 MPa, 8.3 bar) Maximum Air Working Pressure
120 psi (0.8 MPa, 8.3 bar) Maximum Fluid Working Pressure

Model No. 244681, 515 AODD Dual Inlet

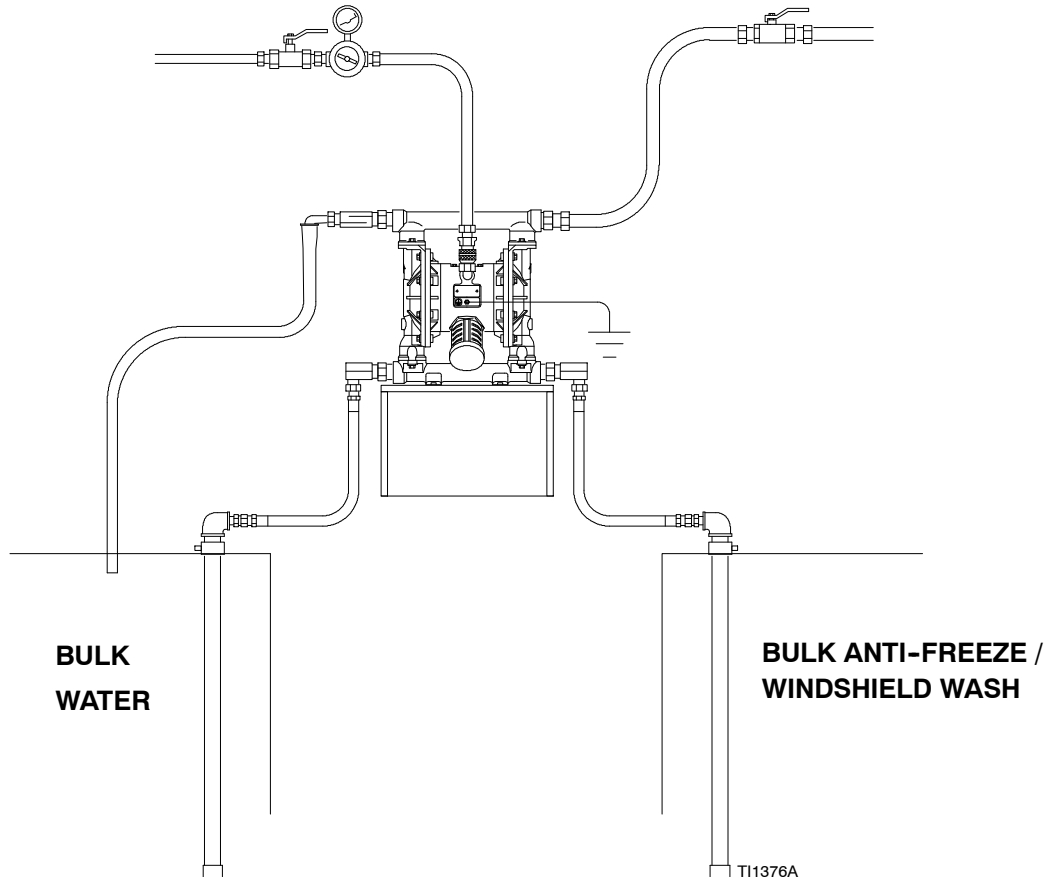
100 psi (0.7 MPa, 7 bar) Maximum Air Working Pressure
100 psi (0.7 MPa, 7 bar) Maximum Fluid Working Pressure

Model No. 244680, 1050 AODD Single Inlet

120 psi (0.8 MPa, 8.3 bar) Maximum Air Working Pressure
120 psi (0.8 MPa, 8.3 bar) Maximum Fluid Working Pressure

Model No. 244682, 716 AODD Single Inlet

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

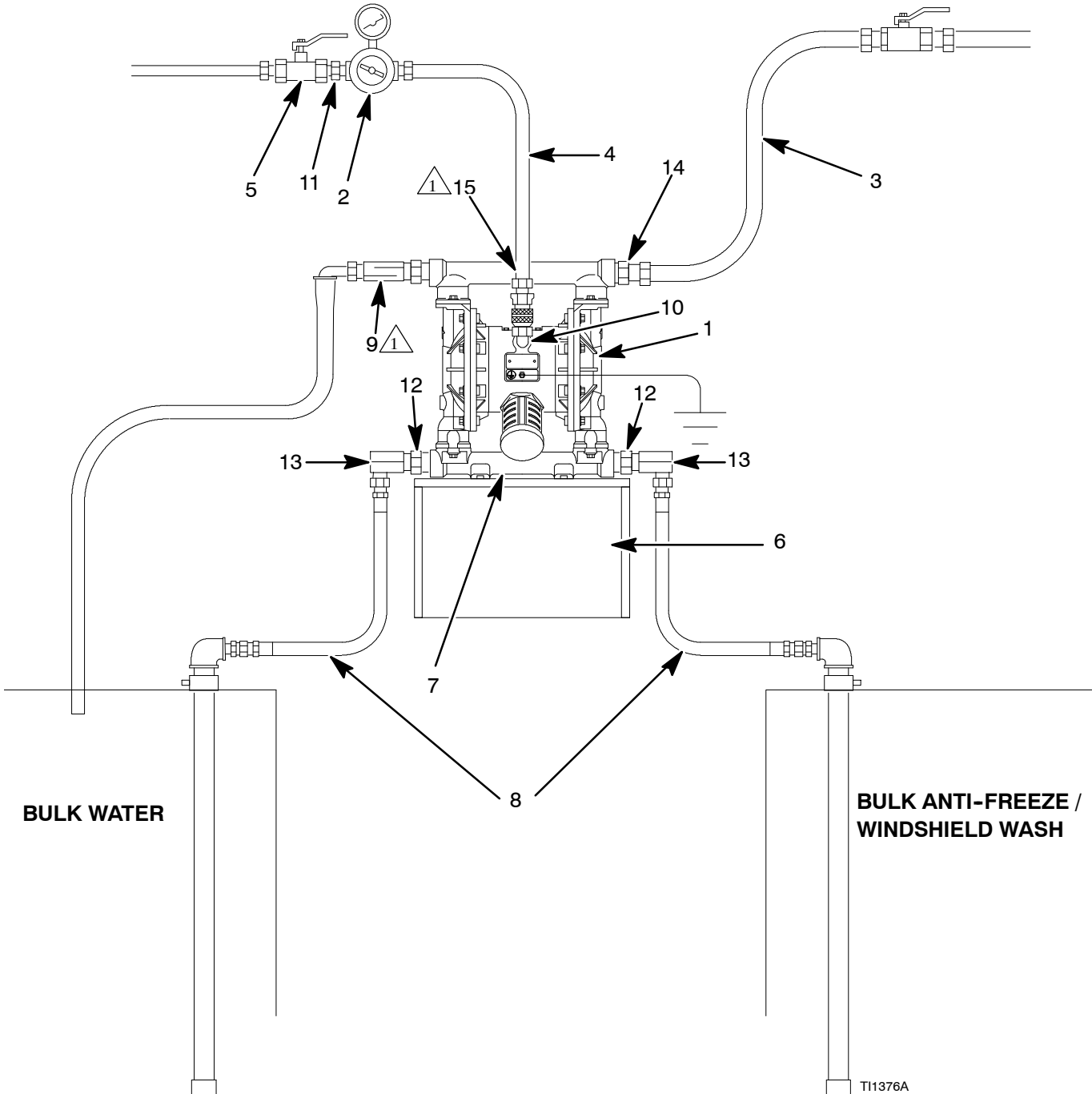


GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441

©COPYRIGHT 2001, GRACO INC.

Graco Inc. is registered to I.S. EN ISO 9001

Installation



T11376A

NOTE: See pump manuals (supplied) for important **safety warnings** and installation, operation, and service instructions.

⚠ For Model 244681, install Thermal Relief Kit (9) and bushing (15) at center fluid outlet port of pump.

Parts List

Model No. 244679, 1050 AODD Dual Inlet

(includes items 1-14)

Model No. 244680, 1050 AODD Single Inlet

(includes items 1-6, 8-14)

Model No. 244681, 515 AODD Dual Inlet

(includes items 1-6, 8-11, 13-15)

Model No. 244682, 716 AODD Single Inlet

(includes items 1-6, 8-11, 13-14)

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	236265	PUMP, Husky 1050 AODD (used on models 244679 and 244680; see manual 308326)	1	7	685984	MANIFOLD, dual inlet (used on model 244679)	1
	243669	PUMP, Husky 515 AODD (used on model 244681; see manual 309204)	1	8*	236054	KIT, suction (see manual 308335)	1
	241906	PUMP, Husky 716 AODD (used on model 244682; see manual 308573)	1	9	238428	KIT, thermal relief (see form 406172)	1
2	244844	REGULATOR, air; 1/2" npt(fbe); includes gauge (used on models 244679 and 244680; see manual 308167)	1	10	156684	ADAPTER, swivel, straight; 1/2" npt(m) x 1/2" npsm(f) (used on models 244679 and 244680)	1
	110147	REGULATOR, air; 1/4" npt(fbe); includes gauge (used on models 244681 and 244682; see manual 308167)	1		156823	ADAPTER, swivel, straight; 1/4" npt(m) x 1/4" npsm(f) (used on models 244681 and 244682)	1
3	115042	HOSE, fluid; 1" ID; 1" npt(mbe) x 6 ft (used on models 244679 and 244680)	1	11	158491	NIPPLE; 1/2" npt (used on models 244679 and 244680)	1
	109105	HOSE, fluid; 3/4" ID; 3/4" npt(mbe) x 6 ft (used on models 244681 and 244682)	1		156971	NIPPLE; 1/4" npt (used on models 244681 and 244682)	1
4	205418	HOSE, air; 1/2" ID; 1/2" npt(mbe) x 6 ft (used on models 244679 and 244680)	1	12†	158555	NIPPLE; 1" npt x 3/4" npt (used on models 244679 and 244680)	1
	109125	HOSE, air; 1/4" ID; 1/4" npt(mbe) x 6 ft (used on models 244681 and 244682)	1	13‡	156589	ADAPTER, swivel, 90°; 3/4" npt(f) x 3/4" npsm(f) (used on models 244679 and 244680)	1
5	110225	VALVE, air shutoff; 1/2" npt(fbe) (used on models 244679 and 244680)	1		160327	ADAPTER, swivel, 90°; 3/4" npt(m) x 3/4" npsm(f) (used on models 244680 and 244681)	1
	110223	VALVE, air shutoff; 1/4" npt(fbe) (used on models 244681 and 244682)	1	14	160022	ADAPTER, swivel, straight; 1" npt(m) x 1" npsm(f) (used on models 244679 and 244680)	1
6	189233	BRACKET, wall mounting (used on models 244679 and 244680)	1		157785	ADAPTER, swivel, straight; 3/4" npt(m) x 3/4" npsm(f) (used on models 244681 and 244682)	1
	224835	BRACKET, wall mounting (used on models 244681 and 244682)	1	15	100081	BUSHING; 1/2" npt(m) x 3/8" npt(f) (used on model 244681)	1

* Two Suction Kits 236054 are supplied with models 244679 and 244681.

† Two Nipples 158555 are supplied with model 244679.

‡ Two Adapters 156589 are supplied with model 244679, and two Adapters 160327 are supplied with model 244681.

Graco Standard Warranty

Graco warrants all equipment 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.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

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.

Graco makes no warranty, and disclaims all implied warranties of merchantability and fitness for a particular purpose in connection with accessories, equipment, materials or components sold but not manufactured by Graco. These items sold, but not manufactured by Graco (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

FOR GRACO CANADA CUSTOMERS

The parties acknowledge that they have required that the present document, as well as all documents, notices and legal proceedings entered into, given or instituted pursuant hereto or relating directly or indirectly hereto, be drawn up in English. Les parties reconnaissent avoir convenu que la rédaction du présente document sera en Anglais, ainsi que tous documents, avis et procédures judiciaires exécutés, donnés ou intentés à la suite de ou en rapport, directement ou indirectement, avec les procédures concernées.

Graco Information

For the latest information about Graco products, visit www.graco.com

For patent information, see www.graco.com/patents

TO PLACE AN ORDER, contact your Graco distributor or call to identify the nearest Distributor.

PHONE: 612-623-6928 or Toll Free: 1-800-533-9655; FAX: 612-378-3590

All written and visual data contained in this document reflect the latest product information available at the time of publication.

Graco reserves the right to make changes at any time without notice.

Original instructions. This manual contains English. MM309353

Graco Headquarters: Minneapolis

International Offices: Belgium, China, Japan, Korea

GRACO INC. AND SUBSIDIARIES P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441 USA

Copyright 2001, Graco Inc. All Graco Manufacturing locations are registered to ISO9001

www.graco.com

December 2014