

Four-Way Evacuation Valve

311881E
EN

For use with petroleum and sythetic-based oils, fuels, antifreeze, and windshield wash fluid.

Model 120581

1 in. NPT 4-Way Evacuation Valve
200 psi (1.38 MPa, 13.8 bar) Maximum Working Pressure

Model 120601

1-1/2 in. NPT 4-Way Evacuation Valve
200 psi (1.38 MPa, 13.8 bar) Maximum Working Pressure

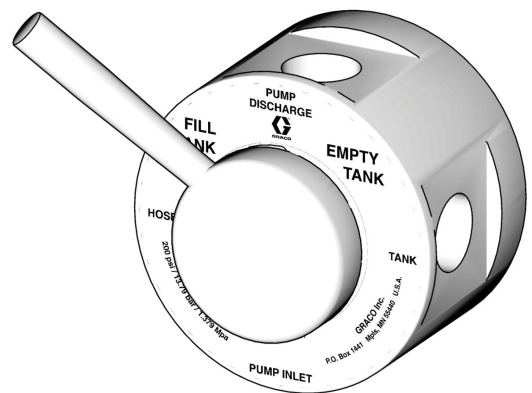


Important Safety Instructions

Read all warnings and instructions in this manual.
Save these instructions.

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Overview

The Graco Four-Way Evacuation Valve is a directional flow control valve that simplifies installation by eliminating the need for multiple valves found on typical waste oil systems. Each valve has four female NPT ports and a two position handle.





Typical Applications

- Filling and emptying waste oil containers on lube trucks.
- Transferring fluids from bulk supply tanks to operational day tanks.

Features

- Simplifies installation by eliminating need for multiple valves
- Unrestricted flow - no pressure or volume loss
- Two position tank fill and emptying control
- (4) 5/16 in. threaded bolt holes for flush mount installation

Operation

						
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Fire and Explosion Hazard

When flammable fluids are present in the work area, such as gasoline and windshield wiper fluid, be aware that flammable fumes can ignite or explode. To help prevent fire and explosion:

- Use equipment only in well ventilated area.
- Eliminate all ignition sources, such as cigarettes and portable electric lamps.
- Keep work area free of debris, including rags and spilled or open containers of solvent and gasoline.
- Do not plug or unplug power cords or turn lights on or off when flammable fumes are present.
- Ground all equipment in the work area.
- Use only grounded hoses.
- If there is static sparking or you feel a shock, **stop operation immediately**. Do not use equipment until you identify and correct the problem.
- Keep a working fire extinguisher in the work area.

Pressurized Equipment Hazard

- Tighten all fluid connections before operating the equipment.
- Check hoses, tubes, and couplings daily.
- Replace worn or damaged parts immediately.
- Always relieve pressure from fluid lines before disconnecting or disassembling the valve.

Pressurized Aluminum Parts Hazard

Do not use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in pressurized aluminum equipment. Such use can cause serious chemical reaction and equipment rupture, and result in death, serious injury, and property damage.

Models and Replacement Parts

Part No. Description

120581 1 in. npt 4-Way Evacuation Valve
 120601 1 1/2 in. npt 4-Way Evacuation Valve

188555* O-RING, fluorocarbon

*Replacement of O-Ring will require an adjustable pin spanner wrench with pin diameter of 1/4".

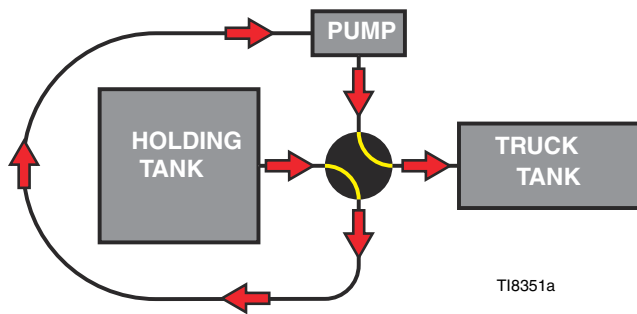
Technical Specifications

Wetted Parts Aluminum (spool)
 Aluminum (housing)
 fluorocarbon (o-rings)
 Maximum Working Pressure 200 psi
 (13.8 bar, 1.38 MPa)
 Dimensions 4.33 in. (w) x 4.95 in. (h)
 11 cm (w) x 12.57 cm (h)
 Weight 3.5 lbs (1.58 kg)
 Threads 1 in. and 1.5 in. npt (f)
 Mounting hole threads 5/16 UNC (f)
 Fill/Empty Handle Rotation 90°

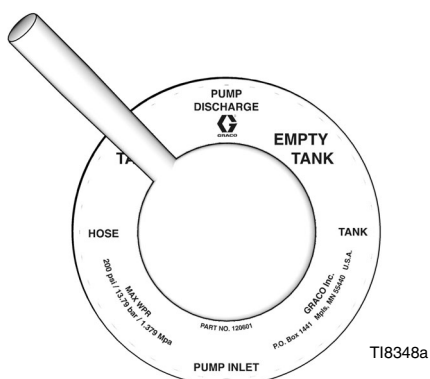
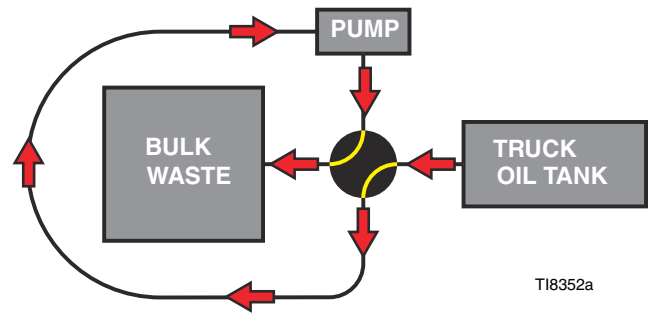
Typical Installation Configuration

Application - Lube Trucks

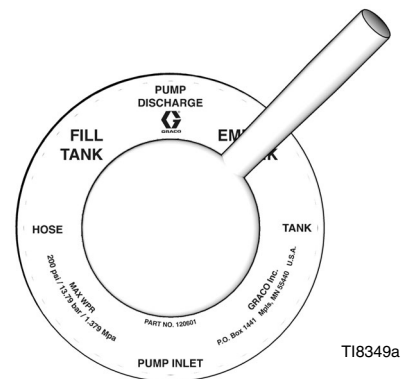
Filling Truck Tank



Emptying Truck Tank



Fill Tank Mode



Empty Tank Mode

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 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.

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Graco Information

TO PLACE AN ORDER, contact your Graco distributor, or call one of these numbers to identify the distributor closest to you:
1-800-328-0211 Toll Free
612-623-6921
612-378-3505 Fax

All written and visual data contained in this document reflects the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

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

Original instructions. This manual contains English. MM 3A2828

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Mounting Hole Dimensions

