

**K35220 Strainer and  
K35213 Strainer and Check Valve  
for PUS20 Pumping Units**

# Installation Instructions

## Purpose Of This Document

This document provides information on how to install K35213 Strainer and Check Valve and K35220 Strainer for PUS20 pumping units.

## Read NFPA 30A And NFPA 70



Before installing the equipment, the installer must read, understand and follow this manual, NFPA 30A (The U.S. Automotive and Marine Service Station Code) and NFPA 70 (The U.S. National Electric Code), and applicable federal, state and local codes and regulations. Failure to do so may adversely affect the safe use and operation of the equipment.

## Before You Begin

You must read, understand and follow the safety information in the “Read This First” section, pages 1-3 through 1-8, in MDE-2531 Pump and Dispenser Start-Up/Service manual.

## Recommended Tools And Equipment

Gilbarco recommends the following tools to install K35213 Strainer and Check Valve and K35220 Strainer Kits:

- Open-ended wrench
- Grease


## Recommended Manual

Gilbarco recommends the following manual, along with MDE-2187, to install K35213 Strainer and Check Valve and K35220 Strainer Kits:

- MDE-2531 Pump and Dispenser Service Manual

# Installation Instructions

**WARNING**



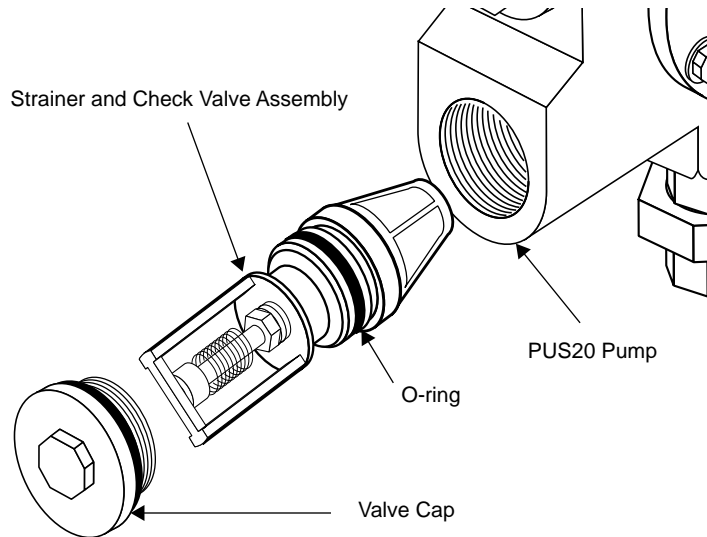
You are working in a potentially dangerous environment of flammable fuels/vapors. Fire, explosion or electrical shock could result in severe injury or death if you do not follow safe procedures. Read and follow all safety precautions as outlined in the “Read This First” section of MDE-2531.

- 1 Read all instructions and safety information in MDE-2531 before beginning.
- 2 Record all electronic and mechanical totals. Isolate pump at distribution box.
- 3 Use OSHA Lock out/Tag out procedure.
- 4 Turn off all power to pump including pump lights. Use system circuit breakers. Multiple disconnects may be required.
- 5 On electronic pumps, turn off system battery by pressing CLEAR and ENTER on the manager keypad on modular pumps. On premodular pumps the system battery turns off with the main power.
- 6 Place nozzle(s) into approved container to bleed pressure. Some residual pressure may remain.

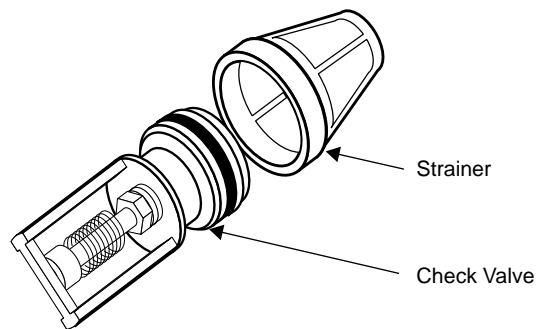


7 Remove strainer and check valve assembly from pumping unit as shown below. Clean out any rust and scale from inside of pumping unit.

8 For K35213, replace strainer and check valve assembly as shown below.



For K35220, remove strainer from check valve. Install new strainer as shown below.



9 Apply grease to O-ring.

10 Insert check valve and strainer assembly into pumping unit cavity. Then rotate assembly several times until the O-ring is in groove inside of pumping unit. Replace valve cap to pumping unit.

11 Turn on pump. In the distribution box, place pump in normal operation.



12 Purge air and check for leaks. See MDE-2531.