

# Gold Ring™ Solenoid Valve Installation and Maintenance Instructions



2-Way Direct Acting  
Normally Open and Normally Closed

Nema 1  
Series 20  
NPT 1/8 - 1/4 - 3/8 - 1/2 - 3/4  
Orifices: 3/64 through 3/4

Parker Hannifin Corporation  
Fluid Control Division

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## Warnings

1. If you purchase a Unit Valve and a Unit Solenoid, be sure the last two digits of the Unit Valve number match the first two digits of the Unit Solenoid number. If they do not match, do not install.  

06F21C2114ADF	Unit Valve
DFGC05	Unit Solenoid
2. Check nameplate for correct catalog number, pressure, voltage and service. Do not install if unsuitable.
3. For protection and proper operation of the solenoid valve, install a strainer or filter suitable for the service involved as close to the valve inlet as possible.
4. Solenoid valves require periodic cleaning and inspection depending on the service. This should be done at least once every 12 months or every 100,000 cycles, whichever occurs first.
5.  **Turn off electrical power supply and line pressure to the valve. Bleed trapped pressure from the lines before inspecting, cleaning, servicing, or repairing the valve.**

### Description:

Series 20 solenoid valves are direct-acting and have integral seats. Valves with watertight NEMA Type 4 or explosion proof NEMA Type 7 enclosures are covered by I & M Instructions Bulletin 7220.

### Operation:

NORMALLY CLOSED

Closed when de-energized; open when energized.

NORMALLY OPEN

Open when de-energized; closed when energized.

### Installation:

#### 1. Application

Refer to Parker Gold Ring™ catalog for application information.

#### 2. Positioning

For best results mount with Unit Solenoid vertical and upright. Unit valve may be mounted in any position.

#### 3. Piping

Connect piping to valve according to markings on valve body. Apply pipe compound or sealing material sparingly to male pipe threads only. If applied to valve thread, it may enter valve and cause operational difficulties. Pipe strain should be avoided by proper support and alignment of piping.

 **CAUTION:**

**Do not use valve as a lever when tightening pipe.**

#### 4. Wiring

Wiring must comply with local and national electrical codes. Housing for all solenoids are made with connections for 1/2-inch conduit. The enclosures may be rotated to facilitate wiring.

#### 5. Unit Solenoid Installation

Turn off electrical power supply. Slide unit solenoid over plunger

