

Torque Chart

Part Name	Torque Value in Inch-Pounds	Torque Value in Newton-Meters
Solenoid base sub-assembly	175 ± 25	19,8 ± 2,8
End cap - 1/4" NPT		
End cap - 1/8" NPT	90 ± 10	10,2 ± 1,1

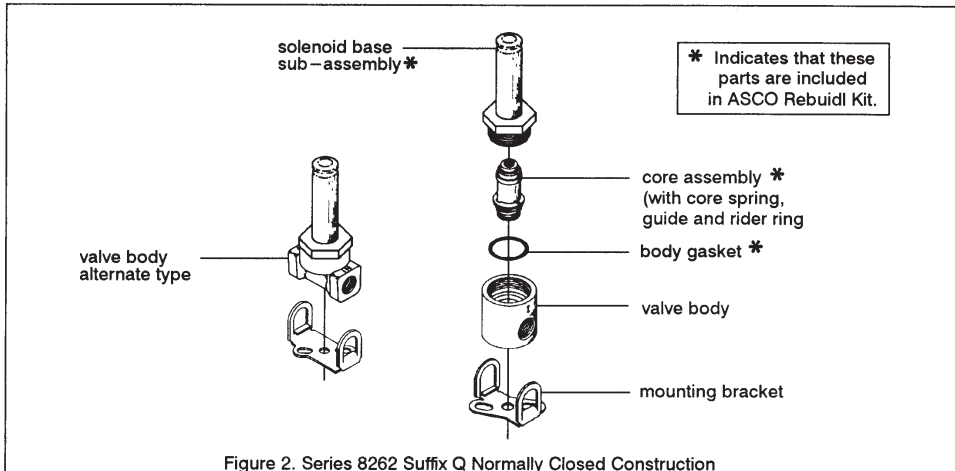


Figure 2. Series 8262 Suffix Q Normally Closed Construction

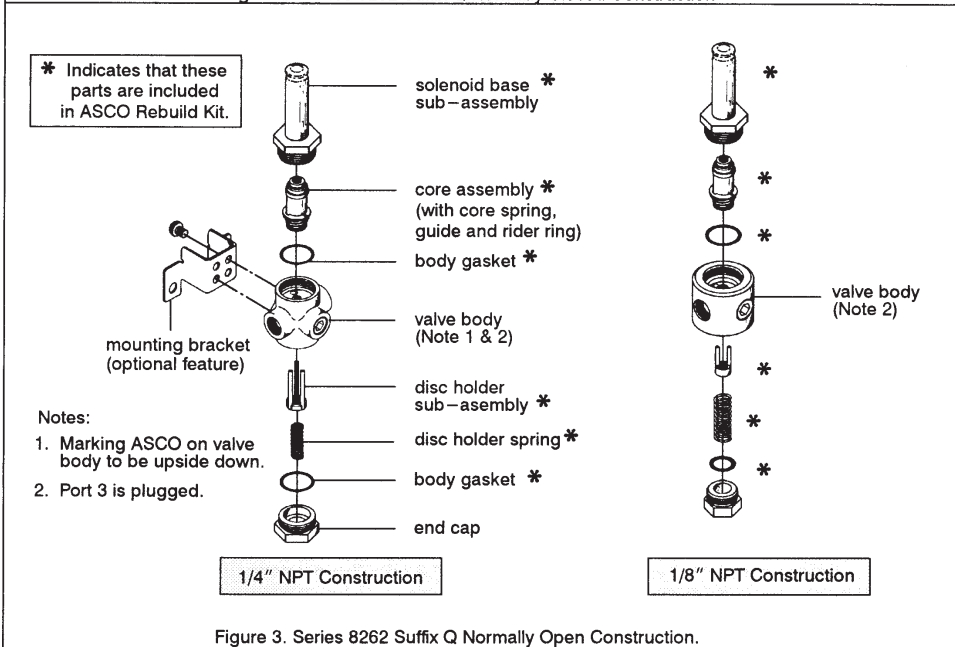


Figure 3. Series 8262 Suffix Q Normally Open Construction.

Installation & Maintenance Instructions

LONG LIFE — QUIET OPERATION — RAPID CYCLING
2-WAY DIRECT-ACTING SOLENOID VALVES

NORMALLY CLOSED OR NORMALLY OPEN OPERATION — 1/8" OR 1/4" NPT

SERIES

8262

"Suffix Q"

Form No. V5958R1

NOTICE: See separate solenoid installation and maintenance instructions for information on: Wiring, Solenoid Temperature, Causes of Improper Operation and Coil or Solenoid Replacement.

DESCRIPTION

Series 8262 valves with Suffix Q in the catalog number are designed for long life, quiet operation and rapid cycling. Valves are 2-way normally open or normally closed direct-acting solenoid valves of brass construction. Valves may be provided with a general purpose, explosionproof or explosionproof/watertight solenoid enclosure.

OPERATION

Normally Closed: Valve is closed when solenoid is de-energized; open when energized.

Normally Open: Valve is open when solenoid is de-energized; closed when energized.

NOTE: No minimum operating pressure required.

INSTALLATION

Check nameplate for correct catalog number, pressure, voltage, frequency and service. Never apply incompatible fluids or exceed pressure rating of the valve. Installation and valve maintenance to be performed by qualified personnel.

NOTE: Inlet port will either be marked I or IN. Outlet port will be marked 2 or OUT.

Future Service Considerations

Provision should be made for performing seat leakage, external leakage and operational tests on the valve with a nonhazardous, noncombustible fluid after disassembly and reassembly.

Temperature Limitations

For maximum valve ambient and fluid temperature, refer to charts below. Check wattage rating on nameplate to determine the maximum temperatures.

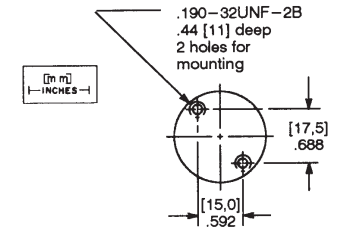
Wattage	Maximum Ambient Temperature	Maximum Fluid Temperature
13.4	77°F	140°F
15.1	104°F	140°F

Positioning

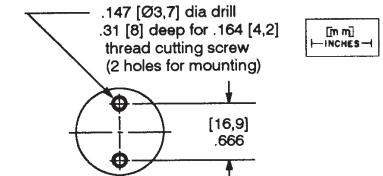
This valve is designed to perform properly when mounted in any position. However, for optimum life and performance, the solenoid should be mounted vertically and upright to reduce the possibility of foreign matter accumulating in the solenoid base sub-assembly area.

Mounting

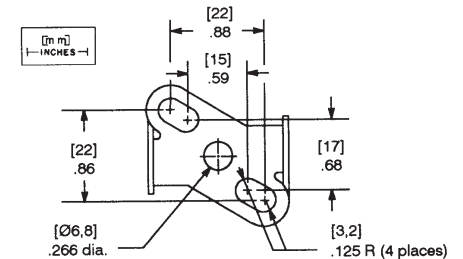
For valve body and mounting bracket dimensions, refer to Figure 1. following.



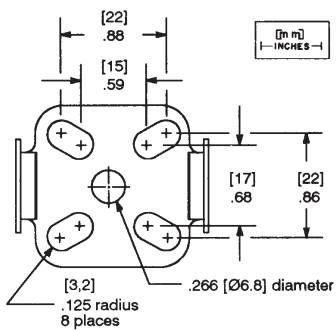
1/8" NPT Body Mounting
Normally Closed Construction



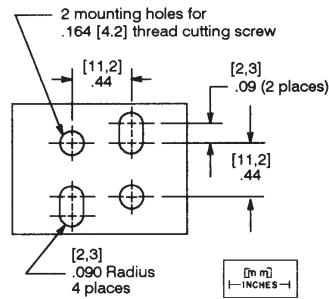
1/4" NPT Body Mounting
Normally Closed Construction



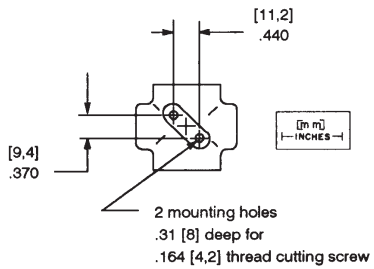
1/4" NPT Mounting Bracket
Normally Closed Construction



1/8" or 1/4" NPT Mounting Bracket
Normally Closed Construction



1/8" NPT Mounting Bracket
Normally Open Construction



1/4" NPT Body Mounting
Normally Open Construction

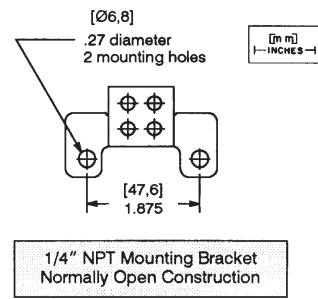


Figure 1. Mounting dimensions

Piping

Connect piping or tubing to valve according to markings on valve body. Inlet port will either be marked "I" or "IN". Outlet port will be marked "2" or "OUT". Wipe the pipe threads clean of cutting oils. Apply pipe compound sparingly to male pipe threads only. If applied to valve threads, the compound may enter the valve and cause operational difficulty. Avoid pipe strain by properly supporting and aligning piping. When tightening the pipe, do not use valve or solenoid as a lever. Locate wrenches applied to valve body or piping as close as possible to connection point.

CAUTION: To protect the solenoid valve, install a strainer or filter suitable for the service involved, in the inlet side as close to the valve as possible. Clean periodically depending on service conditions. See ASCO Series 8600, 8601 and 8602 for strainers.

MAINTENANCE

WARNING: To prevent the possibility of personal injury or property damage, turn off electrical power, depressurize valve, and vent fluid to a safe area before servicing the valve.

NOTE: It is not necessary to remove the valve from the pipeline for repairs.

Cleaning

All solenoid valves should be cleaned periodically. The time between cleanings will vary depending on the medium and service conditions. In general, if the voltage to the coil is correct, sluggish valve operation, excessive noise or leakage will indicate that cleaning is required. In the extreme case, faulty valve operation will occur and the valve may fail to open or close. Clean strainer or filter when cleaning the valve.

Preventive Maintenance

- Keep the medium flowing through the valve as free from dirt and foreign material as possible.
- While in service, the valve should be operated at least once a month to insure proper opening and closing.
- Depending on the medium and service conditions, periodic inspection of internal valve parts for damage or excessive wear is recommended. Thoroughly clean all parts. If parts are worn or damaged, install a complete ASCO Rebuild Kit.

Causes of Improper Operation

- **Incorrect Pressure:** Check valve pressure. Pressure to valve must be within range specified on nameplate.
- **Excessive Leakage:** Disassemble valve and clean all parts. If parts are worn or damaged, install a complete ASCO Rebuild Kit.

Valve Disassembly and Reassembly

Determine valve construction, normally open or normally closed and proceed.

- **Normally Closed Construction** (Refer to Figure 2)

1. Disassembly valve in an orderly fashion using exploded views for identification and placement of parts.
2. Remove solenoid enclosure, see separate instructions.
3. Unscrew solenoid base sub-assembly from valve body. Then remove body gasket and core assembly with core spring, guide and rider ring.
4. All parts are now accessible for cleaning or replacement. If parts are worn or damaged, install a complete ASCO Rebuild Kit.
5. Lubricate body gasket with DOW CORNING® 200 Fluid lubricant or an equivalent high-grade silicone fluid.
6. Install body gasket, core assembly (with core spring, guide and rider ring) and solenoid base sub-assembly. Torque solenoid base sub-assembly to 175 ± 25 in-lbs [19,8 ± 2,8 Nm].
7. Install solenoid and make electrical connections. See separate instructions.

WARNING: To prevent the possibility of personal injury or property damage, check valve for proper operation before returning to service. Also perform internal seat and external leakage tests with a nonhazardous, noncombustible fluid.

8. Restore line pressure and electrical power supply to valve.
9. After maintenance is completed, operate the valve a few times to be sure of proper operation. A *thud* signifies the solenoid is operating.

- **Normally Open Construction** (Refer to Figure 3)

1. Disassembly valve in an orderly fashion using exploded views for identification and placement of parts.
2. Remove solenoid enclosure, see separate instructions.

3. Unscrew solenoid base sub-assembly from valve body. Then remove body gasket and core assembly with core spring, guide and rider ring.
4. Unscrew end cap from valve body. Then remove disc holder spring, disc holder sub-assembly and body gasket.
5. All parts are now accessible for cleaning or replacement. If parts are worn or damaged, install a complete ASCO Rebuild Kit.
6. Lubricate body gasket with DOW CORNING® 200 Fluid lubricant or an equivalent high-grade silicone fluid. Note: Body gaskets are identical.
7. Install disc holder sub-assembly, disc holder spring, body gasket and end cap. For 1/8" NPT constructions, torque end cap to 90 ± 10 in-lbs [10,2 ± 1,1 Nm]; for 1/4" NPT construction torque end cap to 175 ± 25 in-lbs [19,8 ± 2,8 Nm].
8. Install body gasket, core assembly (with core spring, guide and rider ring) and solenoid base sub-assembly. Torque solenoid base sub-assembly to 175 ± 25 in-lbs [19,8 ± 2,8 Nm].
9. Install solenoid and make electrical connections. See separate instructions.

WARNING: To prevent the possibility of personal injury or property damage, check valve for proper operation before returning to service. Also perform internal seat and external leakage tests with a nonhazardous, noncombustible fluid.

10. Restore line pressure and electrical power supply to valve.
11. After maintenance is completed, operate the valve a few times to be sure of proper operation. A *thud* signifies the solenoid is operating.

ORDERING INFORMATION

FOR ASCO REBUILD KITS

Parts marked with an asterisk (*) in the exploded view are supplied in Rebuild Kits. When Ordering Rebuild Kits for ASCO valves, order the rebuild kit number stamped on the valve nameplate. If the number of the kit is not visible, order by indicating the number of kits required, and the Catalog Number and Serial Number of the valve(s) for which they are intended.