Tech Sheet #SV 501

Solenoid Valve End Connections

A wide variety of items differentiate the many solenoid valves available on the market today. Different materials of construction, different sizes, different durability ratings, different noise characteristics, different pressure ratings—there is a solenoid valve for almost any application.

One critical parameter that must be specified by a purchaser is the end connection. How does the solenoid valve mate to the system in which it is intended to function? Again, as with the other differentiating characteristics, there is a wide variety of options.

Following are some of the standards that address end connections. Purchasers are advised to consult with their supplier and to provide their supplier with accurate information regarding the standard that applies. Providing a brand name is not sufficient. To be sure you receive the proper connection, be specific regarding the standard and size that apply to you.

- ANSI/ASME B1.20.1—NPT Threads
- ANSI/ISA 76.00.02—Modular Component Interface for Surface-Mount Fluid Distribution
- ANSI B16.5—Flange Coupling
- SAE J1926/1—General Use ISO Thread with O-ring Seal
- SAE J2337/3—High Pressure with ISO 261 Threads and O-ring Seals
- ISO 15218—Pneumatic Fluid Power-3/2 Solenoid Valves
- ISO 5599—Pneumatic Fluid Power-5 Port
- ISO/DIS 1179 Series—Connections for General Use and Fluid Power
- NFPA T3.20 Series—Fluid Power Quick Action Couplings
- NFPA T3.26.1—Bibliography of Fluid Power Hoses, Fittings, and Assemblies
- ASME B31.1—Power Piping
- ASME B31.3—Process Piping
- NAMUR—Norm AusschuB Mess Und Regeltechnik