
Powermite™ 599 Series Specifications

Control Valves

- Stroke control valves, line sizes 1/2" to 1-1/2"
- 2-way Normally Open (NO) and Normally Closed (NC), and 3-way Mixing applications
- Suitable for chilled water (32°F), hot water (250°F), and steam (15 psi) applications
- Flow rates (Cv's) follow logical, geometric progression, per ANSI/ISA -S75.02
- Quiet modulating operation to 50 psi (stainless trim) or 25 psi (bronze/brass trim)
- Actuator-to-valve mechanical interface according to Siemens Building Technologies internal standard - "Direct Coupled"

National and International Standards Conformance

- 1/2" to 1-1/2" Threaded Valves
 - ANSI Pressure Class 250 Bronze (UNS CA84400) or Brass (UNS C37700) according to ANSI B16.15
 - Threaded end connections according to ANSI/ASME B1.20.1
- Leakage class IV according to ANSI/FCI 70.2
- Rangeability > 100:1 according to ANSI/ISA-S75.11
- Linear flow characteristic (3-way) and modified equal percentage flow characteristic (2-way) according to ISA S75.11 (VDI/VDE 3578)
- Bronze/brass trim (UNS C84400 or C37700)
- Stainless trim (UNS S30300, ASTM A582 Type 303)

Pneumatic Actuators

- Actuator-to-valve mechanical interface according to Siemens Building Technologies internal standard - "Direct Coupled"
- 3.4 sq. in. effective diaphragm area
- 100:1 Position Resolution, with <2% hysteresis
- 5 psi spring range span
- Serviceable diaphragm
- "Corporate look"

Electronic Actuators

- Actuator-to-valve mechanical interface according to Siemens Building Technologies internal standard - "Direct Coupled"
- Spring return fail-safe operation
- Manual override
- 100:1 Position Resolution, with <2% hysteresis
- Visual and electronic position indication
- UL 873 listed (cUL)

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