



DATA CENTER
COOLING

Valves & Manifolds For Data Centers

GC Valves offers a diverse line of solenoid valves that regulate gases and liquids in cooling systems, backup power generation, and other related data center equipment. Those systems maintain operating environmental temperatures and humidity for servers and infrastructure as well as onsite power generation and water treatment.

Valve and Manifold Design Features

1/8" to 2" NPT: brass, stainless steel, and nylon with many variations: 2- & 3-way, NC, NO, all common AC and DC voltages/housings, and much more.

- High-flow valves for water, glycol, and other coolants
- High-pressure water valves to 2200 psi for misting and humidifying
- Compact Solenoid Valve Manifolds for lower-flow cooling loops and water sampling
- Slow-closing valves to mitigate water hammer
- Valves for diesel fuel, natural gas, or alternative energy for backup generators
- Many seals available including Nitrile, FKM, EPDM and PTFE

Some of our valves are designed for straightforward water applications, while others are relied upon to control a wide range of fluids. Our extensive lineup of valves contains chemically compatible and heat tolerant materials. GC Valves also offers explosion-proof housings with 1/2" conduit hub connections. GC Valves' explosion-proof housings are approved for Class 1 Groups C and D, Class 2 Groups E, F, and G, Division 1 & 2 environments.

S20 and S21 Series



S30 and S31 Series



SC9 Series



CUSTOM SOLUTIONS



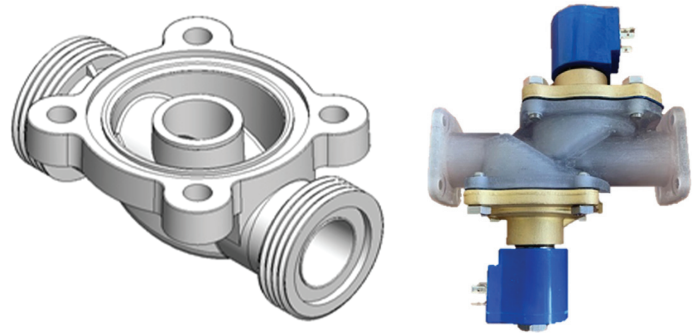
We produce over 1.5 million solenoid valves annually. GC Valves has a history of tailoring solutions for OEMs with demanding applications. Whether you need to design around temperature, pressure, chemical compatibility, flow, or reliability, GC Valves can provide a fluid control solution to meet your needs.

Our world-class engineering team and product portfolio allow for custom solutions in a wide variety of applications. The valves shown here are a small portion of our offering and just a hint of what we can provide with regards to custom valves. Our long history of collaborating with OEMs gives us the experience and comfort level needed to solve difficult design challenges. We pride ourselves on making cost-effective custom solutions, understanding the demands of manufacturers, and providing our products on time, tested, and of the highest quality.

ENGINEERING CAPABILITIES

3D Modeling and 3D Printing - Rapid Prototypes

- STEP files
- Solidworks part
- ACIS
- Pro/E and Creo part
- Parasolid files
- IGES files and more!
- Quick delivery time
- Multiple materials
- Fitment check
- Low-pressure fluid testing
- Tangible design



Sales Drawings

- Basic views
- Overall dimensions
- Specifications

Test Reports

- Professional reports
- Certified results
- Data-driven decisions

Testing Capabilities

- Burst testing
- Noise
- Flow
- Torque
- Water hammer
- Life cycle
- Heat Rise and
- Hi-Pot (High Potential)
- Maximum operating pressure differential
- Minimum opening pressure
- Chemical compatibility
- Internal and External leakage



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