



CONSTRUCTION
COMPRESSORS



Solenoid Valves and Manifolds for Construction Equipment

GC Valves has durable solenoid valves and manifolds for equipment used throughout the construction industry. We offer options to control oil, air, steam, and other hard to handle fluids for a diverse range of equipment. GC Valves also gives OEMs many options when it comes to custom and standard products and manifolds. Utilizing our manifolds can help reduce the number of pipe connections, reduce the amount of potential failure points, and get the exact solution that meets your needs.

Valve Design Features:

- Pipe sizes ranging from 1/8" to 2" NPT
- Body materials include brass, stainless steel, and nylon
- Pressure ratings up to 2400 PSI for water/air and 150 PSI for steam
- NSF/ANSI/CAN 61 options available
- UL, CSA, and CE approved coil options
- Rulon, PTFE, Nitrile, FKM and other elastomers available
- Conduit, Explosion Proof, DIN, and Junction Box housing options
- Zero pressure differential valve operation options

Manifold Design Features:

- Pipe sizes include 1/8" to 3/4" NPT, with custom options available
- Optional metering screws to allow for adjustment
- Reduces the number of plumbing connections, simplifies installation
- Standard body materials: Brass, Stainless Steel
- Optional materials: Aluminum, PVC, other thermoplastics, plating available
- Reverse manifolds, normally open operator, and 3-way options available



CUSTOM SOLUTIONS



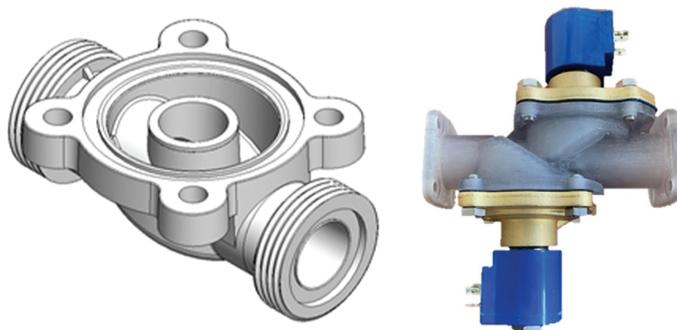
We produce over 1.5 million solenoid valves annually. GC Valves has a history of tailoring solutions for OEMs with demanding applications. Whether you need to design around temperature, pressure, chemical compatibility, flow, or reliability, GC Valves can provide a fluid control solution to meet your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



GC Valves, LLC

456 Crompton Street
Charlotte, NC 28273

Tel: 800-828-0484

 gcvales.com

 sales@GCValves.com