



Valves and Accessories

Overview

StackFlow™ product line from CITO Products offers a robust series of modular process valves. Body sections can stack together to form a valve bank assembly with common inlets at each end and outlets discharging at the bottom of the assembly. Distribution block, manual ball valve and solenoid diaphragm valve models are available and can all be mixed in the same assembly.

Features

- High flow capacity glass-filled nylon bodies
- Integral flow indicator available on some models
- 24 VAC/DC and 120VAC solenoids
- Cleanable inlet screens allow operation in tough environments
- Pressure and temperature gauges available
- Working fluids: water, coolant, oils
- Made in USA



See www.AutomationDirect.com for a wide variety of fitting options

Assembly Example



For detailed assembly and configuration details, click or scan the QR code for our downloadable assembly instructions





StackShort™ / StackFlow™ Manual Valves

Part No. [SS-1000-BR](#)Part No. [SF-1000-BR-H](#)Part No. [SS-1002-BR](#)Part No. [SF-1002-BR-H](#)

CITO StackShort and StackFlow manual valves are high-quality ball valves. Models are available with or without a temperature gauge and with or without a flow indicator.

Features

- Input end ports from 1/2" to 1-1/2" (purchased separately)
- Output ports range from 1/8" to 1" and allow multi-port combination including flow control and check valves (purchased separately)
- Pressure rating: 0 to 100 psi
- Temperature rating: 20 to 160°F [-6 to 71°C]
- SP-1000-BR is a distribution block for when an additional output is needed without a valve
- Models come with a blue trim piece installed and an optional red trim piece in the box
- Optional inlet screens available
- Made in USA



See www.AutomationDirect.com for a wide variety of fitting options

| Valve Selection | | | | | |
|-------------------------------------|---|------|----------------------------|-------------|----------|
| Part Number | Description | Cv* | Drawing Link | Weight (lb) | Price |
| <u>SS-1000-BR</u> | CITO StackShort modular manual valve, 2-way, 2-position, glass-filled nylon body, stackable, Cv=26.7. | 26.7 | <u>PDF</u> | 1.67 | \$47.00 |
| <u>SS-1002-BR</u> | CITO StackShort modular manual valve, 2-way, 2-position, glass-filled nylon body, stackable, Cv=26.7. FT-200 temperature gauge included. | | <u>PDF</u> | 1.69 | \$69.00 |
| <u>SF-1000-BR-H</u> | CITO StackFlow modular manual valve, 2-way, 2-position, glass-filled nylon body, stackable, Cv=21.3. RA-3903 high-flow turbine included. | 21.3 | <u>PDF</u> | 1.85 | \$117.00 |
| <u>SF-1002-BR-H</u> | CITO StackFlow modular manual valve, 2-way, 2-position, glass-filled nylon body, stackable, Cv=21.3. FT-200 temperature gauge and RA-3903 high-flow turbine included. | | <u>PDF</u> | 1.88 | \$139.00 |

* The Cv value given is with the largest input (1 1/2" NPT) and output (1" NPT) ports installed and no screen present. Any other combination of added accessories will affect this value.

Part No. [SP-1000-BR](#)

| Distribution Block | | | | | |
|-----------------------------------|---|------|----------------------------|-------------|---------|
| Part Number | Description | Cv* | Drawing Link | Weight (lb) | Price |
| <u>SP-1000-BR</u> | CITO StackPort modular distribution block, glass-filled nylon body, stackable, Cv=44.5. | 44.5 | <u>PDF</u> | 0.98 | \$29.00 |

* The Cv value given is with the largest input (1 1/2" NPT) and output (1" NPT) ports installed and no screen present. Any other combination of added accessories will affect this value.



StackValve™ Solenoid Valves

CITO StackValve solenoid valves are robust diaphragm process valves with a high flow coefficient. The modular design allows them to be combined with other CITO manual or solenoid valves to share a common fluid supply.

Features

- Input end ports from 1/2" to 1-1/2" (purchased separately)
- Output ports range from 1/8" to 1" and allow multi-port combination including flow control and check valves (purchased separately)
- Pressure rating: 5-100 psi
- Temperature rating: 20 to 160°F [-6 to 71°C]
- 24 VAC/DC valve has an electrical override button
- Designed with a self-cleaning orifice to reduce maintenance
- Includes 30 mesh inlet screen and high flow turbine
- Made in USA



Part No. SV-1024-30-H




Part No. SV-1120-30-H



See www.AutomationDirect.com for a wide variety of fitting and cable options

| Valve Selection | | | | | |
|---------------------|---|-----|---------------------|-------------|----------|
| Part Number | Description | Cv* | Drawing Link | Weight (lb) | Price |
| <u>SV-1024-30-H</u> | CITO StackValve modular solenoid valve, 2-way, 2-position, N.C., glass-filled nylon body, stackable, Cv=8.5, 24 VAC/VDC operating voltage, 7.2W, 18mm DIN style wiring plug. RA-3903 high-flow turbine and SF-9130 screen included. | 8.5 | PDF | 4.07 | \$369.00 |
| <u>SV-1120-30-H</u> | CITO StackValve modular solenoid valve, 2-way, 2-position, N.C., glass-filled nylon body, stackable, Cv=8.5, 120 VAC operating voltage, 12VA, 18mm DIN style wiring plug. RA-3903 high-flow turbine and SF-9130 screen included. | | PDF | 4.05 | \$369.00 |

* The Cv value given is with the largest input (1 1/2 NPT) and output (1" NPT) ports installed and no screen present. Any other combination of added accessories will affect this value.

 **NOTE:** Due to the way these are assembled at the factory, there will be some disassembly necessary to stack more than one of these modules next to each other. This only applies to the solenoid valves, not any other modules





StackFlow™ Inlet Port Adapters

CITO StackFlow body inlet port adapters are available in 1/2" NPT up to 1-1/2" NPT. Inlet ports can mount to the left or right-hand inlet of the modular body. The brass inlet port adapters include mounting hardware.



Part No. [EC-3401-K](#)



Part No. [EC-3121-K](#)

Features

- Machined brass bodies
- 1/2" through 1-1/2" female NPT threaded ports
- Mounting hardware included
- Made in USA



See www.AutomationDirect.com for a wide variety of fitting options

| StackFlow Inlet Port Adapters | | | | |
|-------------------------------|---|---------------------|-------------|---------|
| Part Number | Description | Drawing Link | Weight (lb) | Price |
| EC-3401-K | CITO port adapter, 1/2in female NPT, brass. For use with CITO StackFlow valves body inlet. BK-9100 inlet mounting kit included. | PDF | 0.90 | \$51.00 |
| EC-3601-K | CITO port adapter, 3/4in female NPT, brass. For use with CITO StackFlow valves body inlet. BK-9100 inlet mounting kit included. | PDF | 0.90 | \$51.00 |
| EC-3801-K | CITO port adapter, 1in female NPT, brass. For use with CITO StackFlow valves body inlet. BK-9100 inlet mounting kit included. | PDF | 0.87 | \$51.00 |
| EC-3101-K | CITO port adapter, 1-1/4in female NPT, brass. For use with CITO StackFlow valves body inlet. BK-9100 inlet mounting kit included. | PDF | 0.79 | \$51.00 |
| EC-3121-K | CITO port adapter, 1-1/2in female NPT, brass. For use with CITO StackFlow valves body inlet. BK-9100 inlet mounting kit included. | PDF | 0.76 | \$51.00 |



StackFlow™ End Caps

Part No. [SF-5420-K](#)Part No. [SF-9220-K](#)

CITO StackFlow end caps can mount to the left- or right-hand inlet of the modular body. Caps can be blank or have an integral temperature or pressure gauge.

Features

- Glass-filled nylon bodies
- Mounting hardware included
- Easy removal for cleaning internal screen
- Made in USA

Part No. [SF-9100-K](#)

See www.AutomationDirect.com for a wide variety of fitting options

| StackFlow End Caps | | | | |
|----------------------------------|---|----------------------------|-------------|---------|
| Part Number | Description | Drawing Link | Weight (lb) | Price |
| <u>SF-5420-K</u> | CITO blank end cap, glass-filled nylon. For use with CITO StackFlow valves body inlet. BK-9100 inlet mounting kit included. | <u>PDF</u> | 0.27 | \$14.50 |
| <u>SF-9220-K</u> | CITO temperature end cap, glass-filled nylon, 40-220 deg F. For use with CITO StackFlow valves body inlet. BK-9100 inlet mounting kit included. | <u>PDF</u> | 0.46 | \$42.00 |
| <u>SF-9100-K</u> | CITO pressure end cap, glass-filled nylon, 0-100 psi range. For use with CITO StackFlow valves body inlet. BK-9100 inlet mounting kit included. | <u>PDF</u> | 0.55 | \$42.00 |
| <u>SF-9160-K</u> | CITO pressure end cap, glass-filled nylon, 0-160 psi range. For use with CITO StackFlow valves body inlet. BK-9100 inlet mounting kit included. | <u>PDF</u> | 0.55 | \$42.00 |

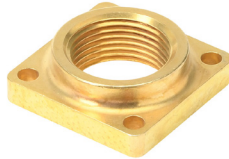


StackFlow™ Outlet Port Adapters

CITO StackFlow outlet port adapters are available in 1/8" NPT up to 1" NPT. Multi-port adapters available for some sizes. Mounting hardware for the brass outlet port adapters is sold separately.



Part No. [EC-2024](#)



Part No. [EC-2081](#)

Features

- Machined brass bodies
- 1/8" through 1" female NPT threaded ports
- Multi-port adapters available for 1/8" through 1/2"
- Purchase mounting hardware separately
- Bolt kit for StackShort/StackPort is BK-9750
- Bolt kit for StackFlow/StackValve is BK-9225
- Made in USA



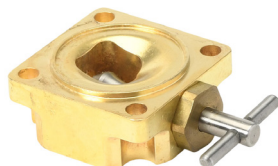
See www.AutomationDirect.com for a wide variety of fitting options

| StackFlow Body Outlet Port Adapters | | | | |
|-------------------------------------|---|---------------------|-------------|---------|
| Part Number | Description | Drawing Link | Weight (lb) | Price |
| EC-2011 | CITO port adapter, (1) 1/8in female NPT, brass. For use with CITO StackFlow valves body outlet. | PDF | 0.46 | \$35.50 |
| EC-2014 | CITO port adapter, (4) 1/8in female NPT, brass. For use with CITO StackFlow valves body outlet. | PDF | 0.44 | \$35.50 |
| EC-2021 | CITO port adapter, (1) 1/4in female NPT, brass. For use with CITO StackFlow valves body outlet. | PDF | 0.44 | \$35.50 |
| EC-2024 | CITO port adapter, (4) 1/4in female NPT, brass. For use with CITO StackFlow valves body outlet. | PDF | 0.49 | \$35.50 |
| EC-2031 | CITO port adapter, (1) 3/8in female NPT, brass. For use with CITO StackFlow valves body outlet. | PDF | 0.46 | \$35.50 |
| EC-2034 | CITO port adapter, (4) 3/8in female NPT, brass. For use with CITO StackFlow valves body outlet. | PDF | 0.42 | \$35.50 |
| EC-2041 | CITO port adapter, (1) 1/2in female NPT, brass. For use with CITO StackFlow valves body outlet. | PDF | 0.47 | \$35.50 |
| EC-2042 | CITO port adapter, (2) 1/2in female NPT, brass. For use with CITO StackFlow valves body outlet. | PDF | 0.59 | \$35.50 |
| EC-2061 | CITO port adapter, (1) 3/4in female NPT, brass. For use with CITO StackFlow valves body outlet. | PDF | 0.47 | \$35.50 |
| EC-2081 | CITO port adapter, (1) 1in female NPT, brass. For use with CITO StackFlow valves body outlet. | PDF | 0.43 | \$35.50 |



StackFlow™ Outlet Flow Controls

CITO StackFlow flow controls mount to the outlet of StackFlow bodies. The thumbscrew allows for easy control of fluid flow.



Part No. [VC-2902](#)

Features

- Machined brass bodies
- Available with 1/4", 3/8" or 1/2" female NPT outlet port
- Easy to adjust needle valve for fine flow control
- Purchase mounting hardware separately
- Bolt kit for StackShort/StackPort is BK-9750
- Bolt kit for StackFlow/StackValve is BK-9225
- Made in USA



See www.AutomationDirect.com for a wide variety of fitting options

| StackFlow Outlet Port Adapter Accessories | | | | |
|---|---|---------------------|-------------|---------|
| Part Number | Description | Drawing Link | Weight (lb) | Price |
| VC-2902 | CITO flow control valve cap, (1) 1/4in female NPT, brass. For use with CITO StackFlow valves body outlet. | PDF | 0.89 | \$65.00 |
| VC-2903 | CITO flow control valve cap, (1) 3/8in female NPT, brass. For use with CITO StackFlow valves body outlet. | PDF | 1.09 | \$70.00 |
| VC-2904 | CITO flow control valve cap, (1) 1/2in female NPT, brass. For use with CITO StackFlow valves body outlet. | PDF | 1.09 | \$86.00 |



Check Valves

CITO check valves are great general purpose valves which allow flow in only one direction.



Part No. CV-1202-MF

Note: Included nipple shown installed

Features

- Durable brass bodies with female NPT threads
- Temperature rating: 20-250°F [7-121°C]
- Pressure rating: 2-100 psi
- Includes a matching thread close nipple
- Works with many fluids
- Viton O-rings
- Made in USA



See www.AutomationDirect.com for a wide variety of fitting options

| Check Valves | | | | |
|-----------------------------------|---|----------------------------|-------------|---------|
| Part Number | Description | Drawing Link | Weight (lb) | Price |
| <u>CV-1202-MF</u> | CITO pneumatic, coolant, oil or water threaded fitting, female, check valve, brass body, brass threads, (2) 1/4in female NPT. | <u>PDF</u> | 0.25 | \$28.00 |
| <u>CV-1203-MF</u> | CITO pneumatic, coolant, oil or water threaded fitting, female, check valve, brass body, brass threads, (2) 3/8in female NPT. | <u>PDF</u> | 0.30 | \$34.00 |
| <u>CV-1204-MF</u> | CITO pneumatic, coolant, oil or water threaded fitting, female, check valve, brass body, brass threads, (2) 1/2in female NPT. | <u>PDF</u> | 0.35 | \$42.00 |



StackFlow™ Accessories

CITO StackFlow accessories include inlet screens, flow indicator turbines, and various mounting hardware sets.

Features

- All stainless steel bolts and nickel-plated brass nuts in mounting kits
- Made in USA



See www.AutomationDirect.com for a wide variety of fitting options



Part No. [SF-9130](#)



Part No. [RTA-3903](#)



Part No. [BK-9100](#)



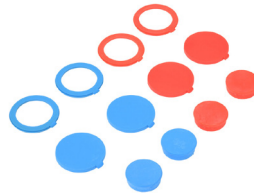
Part No. [BK-9750](#)



Part No. [FT-200](#)



Part No. [SF-5622](#)



Part No. [TK-1200](#)

| Stack Valve Body Accessories | | | | |
|------------------------------|---|---------------------|-------------|---------|
| Part Number | Description | Drawing Link | Weight (lb) | Price |
| SF-9120 | CITO screen, replacement, 20 mesh, stainless steel. For use with CITO StackFlow valves. | PDF | 0.20 | \$20.50 |
| SF-9130 | CITO screen, replacement, 30 mesh, stainless steel. For use with CITO StackFlow valves. | PDF | 0.19 | \$20.50 |
| SF-9140 | CITO screen, replacement, 40 mesh, stainless steel. For use with CITO StackFlow valves. | PDF | 0.20 | \$20.50 |
| RTA-3903 | CITO high-flow turbine, replacement, 1-60 GPM. For use with CITO StackFlow valves. O-rings included. | PDF | 0.20 | \$57.00 |
| RTA-3191 | CITO low-flow turbine, replacement, 0.5-10 GPM. For use with CITO StackFlow valves. O-rings included. | PDF | 0.21 | \$57.00 |
| BK-9100 | CITO inlet mounting kit, for use with CITO StackFlow valves, includes (4) 1/4-20x1 SHCS, (4) 1/4-20 nuts and (1) O-ring. | PDF | 0.11 | \$9.00 |
| BK-9750 | CITO short outlet mounting kit, for use with CITO StackFlow valves, includes (4) 1/4-20x3/4 SHCS, (4) 1/4-20 nuts, (1) O-ring and (1) retainer. Retainer required for StackShort valves only. | PDF | 0.10 | \$8.00 |
| BK-9225 | CITO long outlet mounting kit, for use with CITO StackFlow valves, includes (4) 1/4-20x2-1/4 SHCS, (4) 1/4-20 nuts and (1) O-ring. | PDF | 0.17 | \$11.00 |
| FT-200 | CITO temperature gauge, replacement. For use with CITO StackFlow valves. | PDF | 0.14 | \$22.50 |
| TK-1200 | CITO trim kit, replacement. For use with CITO StackFlow valves. (2) blue and (2) red trim pieces in (3) different trim styles included. | PDF | 0.08 | \$8.00 |
| SF-5622 | CITO nut retainer, package of 4. For use with CITO StackFlow valves. | PDF | 0.04 | \$11.00 |



Flow Indicators



Part No. **MF-0404-N**

CITO flow indicators use a molded turbine to indicate when fluid is flowing. They are a useful addition to many piping systems.

Features

- 1/4" to 1" NPT threaded connections
- Smaller bodies are anodized aluminum. Larger bodies are glass-filled nylon
- Intended for use with water, coolant and oil. Use with air/gas could damage the turbine
- Made in USA



Part No. **RFH-0808**



See www.AutomationDirect.com for a wide variety of fitting options

| Flow Indicators | | | | | | | |
|-------------------------|---|---------------------------|----------------|------------|---------------------|-------------|----------|
| Part Number | Description | Temperature | Pressure (psi) | Flow (gpm) | Drawing Link | Weight (lb) | Price |
| <u>MF-0404-N</u> | CITO MiniFlow flow indicator, 0.1-6.5 GPM, 1/4in NPT thread, anodized aluminum. | 20-210°F [-6.7-98.9°C] | 1-125 | 0.1-6.5 | PDF | 0.43 | \$124.00 |
| <u>MF-0606-N</u> | CITO MiniFlow flow indicator, 0.1-7 GPM, 3/8in NPT thread, anodized aluminum. | | | 0.1-7.0 | PDF | 0.42 | \$124.00 |
| <u>RFH-0808</u> | CITO RotoFlow flow indicator, 1-22 GPM, 1/2in NPT thread, glass-filled nylon. | 20-160°F [-6.7-71.1°C] | 1-100 | 1.0-22.0 | PDF | 1.31 | \$184.00 |
| <u>RFH-1212</u> | CITO RotoFlow flow indicator, 1-40 GPM, 3/4in NPT thread, glass-filled nylon. | | | 1.0-40.0 | PDF | 1.29 | \$184.00 |
| <u>RFH-1616</u> | CITO RotoFlow flow indicator, 1-60 GPM, 1in NPT thread, glass-filled nylon. | | | 1.0-60.0 | PDF | 1.23 | \$184.00 |



S201 Series GCV Zero Differential Valves

GC Valves S201 Series valves are an excellent choice for many applications where supply pressure can drop to zero, such as emptying a tank. These valves work with air, inert gas, water, coolant or light oil and are available in brass bodies with nitrile or Viton seals.



Features

- 2-ports (2-way), 2-position
- Normally closed (N.C.) configuration
- Piloted diaphragm operator
- Zero differential action
- 18mm (DIN 43650A) style wiring plug
- 3/8", 1/2", 3/4" or 1" NPT ports
- 120 VAC or 24 VDC solenoids
- Nitrile or Viton seals
- Made in USA



**Made
in the
USA**

Also, see our website
www.AutomationDirect.com
for a variety of fitting options

| S201 Series GCV Zero Differential Valves | | | | | | | | |
|--|---|---------------------|---------------------|----------------------------------|---|---------------------|---------------------|----------------------------------|
| Model | S201YF02N5CG4 | S201YF02N5DG4 | S201YF02N5EG5 | S201YF02N5FG9 | S201YF02V5CG4 | S201YF02V5DG4 | S201YF02V5EG5 | S201YF02V5FG9 |
| Price | \$152.00 | \$152.00 | \$169.00 | \$323.00 | \$195.00 | \$195.00 | \$221.00 | \$354.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 2.02 | 1.90 | 2.06 | 3.81 | 2.02 | 1.92 | 2.08 | 3.84 |
| Valve Type | 2-port (2-way), 2-position | | | | | | | |
| Acting | Zero differential, N.C. | | | | | | | |
| Inlet Port Size | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT |
| Outlet Port Size | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT |
| Orifice Size | 5/8" | | 3/4" | 1" | 5/8" | | 3/4" | 1" |
| Cv | 4.3 | | 6.7 | 11 | 4.3 | | 6.7 | 11 |
| Media | Air, Inert Gas, Water, Coolant, Light Oil | | | | | | | |
| Pressure Range | Min 0 psi ; Max Air/Gas/Water: 140 psi; Max Light Oil: 90 psi | | | 0-100 psi | Min 0 psi ; Max Air/Gas/Water: 140 psi; Max Light Oil: 90 psi | | | 0-100 psi |
| Voltage (± 10%) | 120 VAC | | | | | | | |
| Inrush AC | 54VA | | | | | | | |
| Power Consumption | 10W | | | | | | | |
| Max Cycles per Minute** | 15 | | | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | | | |
| Min Response | Liquid: 25-100 ms; Gas: 15-50 ms | | | Liquid: 75-150 ms; Gas: 50-75 ms | Liquid: 25-100 ms; Gas: 15-50 ms | | | Liquid: 75-150 ms; Gas: 50-75 ms |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 180°F (82.2°C) | | | | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | |
| Lubrication | Not required | | | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | | | |
| Connection | 18mm DIN style wiring plug | | | | | | | |
| Construction | Brass body; Nitrile seals; Stainless steel pilot orifice | | | | Brass body; Viton seals; Stainless steel pilot orifice | | | |
| Life Cycle | 1 Million | | | | | | | |
| Agency Approvals* | CE, CSA, UL Recognized | | | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

** Cannot be used in PWM (pulse width modulation) applications



S201 Series GCV Zero Differential Valves

S201 Series GCV Zero Differential Valves Cont.

| Model | S201YF16N5CG4 | S201YF16N5DG4 | S201YF16N5EG5 | S201YF16N5FG9 | S201YF16V5CG4 | S201YF16V5DG4 | S201YF16V5EG5 | S201YF16V5FG9 |
|-------------------------|---|-------------------------------|-------------------------------|------------------------------------|--|-------------------------------|-------------------------------|------------------------------------|
| Price | \$152.00 | \$152.00 | \$169.00 | \$323.00 | \$195.00 | \$195.00 | \$221.00 | \$354.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 2.04 | 1.94 | 2.10 | 3.85 | 2.05 | 1.94 | 2.12 | 3.88 |
| Valve Type | 2-port (2-way), 2-position | | | | | | | |
| Acting | Zero differential, N.C. | | | | | | | |
| Inlet Port Size | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT |
| Outlet Port Size | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT |
| Orifice Size | 5/8" | | 3/4" | 1" | 5/8" | | 3/4" | 1" |
| Cv | 4.3 | | 6.7 | 11 | 4.3 | | 6.7 | 11 |
| Media | Air, Inert Gas, Water, Coolant, Light Oil | | | | | | | |
| Pressure Range | Min 0 psi ; Max Air/Gas/Water: 90 psi; Max Light Oil: 70 psi | | | 0-100 psi | Min 0 psi ; Max Air/Gas/Water: 90 psi; Max Light Oil: 70 psi | | | 0-100 psi |
| Voltage (± 10%) | 24 VDC | | | | | | | |
| Inrush AC | N/A | | | | | | | |
| Power Consumption | 10W | | | | | | | |
| Max Cycles per Minute** | 15 | | | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | | | |
| Min Response | Liquid: 38-150 ms; Gas: 23-75 ms | | | Liquid: 113-225 ms; Gas: 75-113 ms | Liquid: 38-150 ms; Gas: 23-75 ms | | | Liquid: 113-225 ms; Gas: 75-113 ms |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 180°F (82.2°C) | | | | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | |
| Lubrication | Not required | | | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | | | |
| Connection | 18mm DIN style wiring plug | | | | | | | |
| Construction | Brass body; Nitrile seals; Stainless steel pilot orifice | | | | Brass body; Viton seals; Stainless steel pilot orifice | | | |
| Life Cycle | 1 Million | | | | | | | |
| Agency Approvals* | CE, CSA, UL Recognized | | | | | | | |

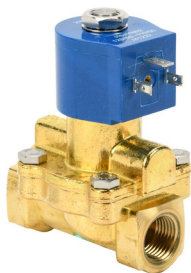
* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

** Cannot be used in PWM (pulse width modulation) applications



S211 Series GCV High Performance Valves

These S211 Series high performance valves from GC Valves are rated for a wider pressure range than standard S211 Series. These valves work with air, inert gas, water, coolant or light oil and are available in brass bodies with Viton seals.



Features

- 2-ports (2-way), 2-position
- Normally closed (N.C.) configuration
- Piloted diaphragm operator
- Very low minimum operating pressure
- Higher maximum operating pressure (varies with fluid)
- 18mm (DIN 43650A) style wiring plug
- 1/2" or 3/4" NPT ports
- 120 VAC or 24 VDC solenoids
- Viton seals
- Made in USA



**Made
in the
USA**



Also, see our website
www.AutomationDirect.com
for a variety of fitting options

| S211 Series GCV High Performance Valves | | | | |
|---|--|-------------------------------|----------------------------------|-------------------------------|
| Model | S211YF02K4DG1 | S211YF02K4EG5 | S211YF16K4DG1 | S211YF16K4EG5 |
| Price | \$164.00 | \$204.00 | \$164.00 | \$204.00 |
| Drawing Link | PDF | PDF | PDF | PDF |
| Weight (lbs) | 2.35 | 3.31 | 2.37 | 3.31 |
| Valve Type | 2-port (2-way), 2-position | | | |
| Acting | Piloted diaphragm, N.C. | | | |
| Inlet Port Size | 1/2" FNPT | 3/4" FNPT | 1/2" FNPT | 3/4" FNPT |
| Outlet Port Size | 1/2" FNPT | 3/4" FNPT | 1/2" FNPT | 3/4" FNPT |
| Orifice Size | 1/2" | 3/4" | 1/2" | 3/4" |
| Cv | 3.3 | 6.1 | 3.3 | 6.1 |
| Media | Air, Inert Gas, Water, Coolant, Light Oil | | | |
| Pressure Range | 1-250 psi | | 1-150 psi | |
| Voltage (± 10%) | 120 VAC | | 24 VDC | |
| Inrush AC | 40VA | | N/A | |
| Power Consumption | 8W | | 9W | |
| Max Cycles per Minute** | 15 | | | |
| Insulation | Class H: 180°C (356°F) | | | |
| Min Response | Liquid: 25-100 ms; Gas: 15-50 ms | | Liquid: 38-150 ms; Gas: 23-75 ms | |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | |
| Lubrication | Not required | | | |
| Protection | NEMA 4/4X Encapsulated | | | |
| Connection | 18mm DIN style wiring plug | | | |
| Construction | Brass body; Viton seals; Stainless steel main and pilot orifices | | | |
| Life Cycle | 1 Million | | | |
| Agency Approvals* | CE, CSA, UL Recognized | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

** Cannot be used in PWM (pulse width modulation) applications



S211 Series GCV Piloted Diaphragm Valves



GC Valves S211 Series valves are an excellent choice for many general purpose applications. These valves work with air, inert gas, water, coolant or light oil and are available in brass bodies with nitrile or Viton seals.

Features

- 2-ports (2-way), 2-position
- Normally closed (N.C.) configuration
- Piloted diaphragm operator
- 18mm (DIN 43650A) style wiring plug
- 3/8", 1/2", 3/4" or 1" NPT ports
- 120 VAC or 24 VDC solenoids
- Nitrile or Viton seals
- Made in USA



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| S211 Series GCV Piloted Diaphragm Valves | | | | | | | | |
|--|--|-------------------------------|-------------------------------|--|--|-------------------------------|-------------------------------|--|
| Model | S211YF02N5CG4 | S211YF02N5DG4 | S211YF02N5EG5 | S211YF02N5FG9 | S211YF02V5CG4 | S211YF02V5DG4 | S211YF02V5EG5 | S211YF02V5FG9 |
| Price | \$130.00 | \$130.00 | \$139.00 | \$285.00 | \$145.00 | \$145.00 | \$154.00 | \$310.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 1.93 | 1.83 | 2.00 | 3.75 | 1.98 | 1.86 | 2.03 | 3.73 |
| Valve Type | 2-port (2-way), 2-position | | | | | | | |
| Acting | Piloted diaphragm, N.C. | | | | | | | |
| Inlet Port Size | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT |
| Outlet Port Size | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT |
| Orifice Size | 5/8" | | 3/4" | 1" | 5/8" | | 3/4" | 1" |
| Cv | 4.3 | | 6.7 | 13 | 4.3 | | 6.7 | 13 |
| Media | Air, Inert Gas, Water, Coolant, Light Oil | | | | | | | |
| Pressure Range | Min 4 psi ; Max Air/Gas: 200 psi; Max Water/Light Oil: 150 psi | | | Min 5 psi ; Max Air/Gas: 200 psi; Max Water: 150 psi; Max Light Oil: 100 psi | Min 4 psi ; Max Air/Gas: 200 psi; Max Water/Light Oil: 150 psi | | | Min 5 psi ; Max Air/Gas: 200 psi; Max Water: 150 psi; Max Light Oil: 100 psi |
| Voltage (± 10%) | 120 VAC | | | | | | | |
| Inrush AC | 40VA | | | | | | | |
| Power Consumption | 8W | | | | | | | |
| Max Cycles per Minute** | 15 | | | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | | | |
| Min Response | Liquid: 25-100 ms; Gas: 15-50 ms | | | Liquid: 75-150 ms; Gas: 50-75 ms | Liquid: 25-100 ms; Gas: 15-50 ms | | | Liquid: 75-150 ms; Gas: 50-75 ms |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 180°F (82.2°C) | | | | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | |
| Lubrication | Not required | | | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | | | |
| Connection | 18mm DIN style wiring plug | | | | | | | |
| Construction | Brass body; Nitrile seals; Stainless steel pilot orifice | | | | Brass body; Viton seals; Stainless steel pilot orifice | | | |
| Life Cycle | 1 Million | | | | | | | |
| Agency Approvals* | CE, CSA, UL Recognized | | | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

** Cannot be used in PWM (pulse width modulation) applications



S211 Series GCV Piloted Diaphragm Valves

S211 Series GCV Piloted Diaphragm Valves Cont.

| Model | S211YF16N5CG4 | S211YF16N5DG4 | S211YF16N5EG5 | S211YF16N5FG9 | S211YF16V5CG4 | S211YF16V5DG4 | S211YF16V5EG5 | S211YF16V5FG9 |
|-------------------------|--|-------------------------------|-------------------------------|--|--|-------------------------------|-------------------------------|--|
| Price | \$130.00 | \$130.00 | \$139.00 | \$285.00 | \$145.00 | \$145.00 | \$154.00 | \$310.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 2.05 | 1.94 | 2.11 | 3.74 | 2.04 | 1.95 | 2.12 | 3.77 |
| Valve Type | 2-port (2-way), 2-position | | | | | | | |
| Acting | Piloted diaphragm, N.C. | | | | | | | |
| Inlet Port Size | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT |
| Outlet Port Size | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT | 3/8" FNPT | 1/2" FNPT | 3/4" FNPT | 1" FNPT |
| Orifice Size | 5/8" | | 3/4" | 1" | 5/8" | | 3/4" | 1" |
| Cv | 4.3 | | 6.7 | 13 | 4.3 | | 6.7 | 13 |
| Media | Air, Inert Gas, Water, Coolant, Light Oil | | | | | | | |
| Pressure Range | Min 4 psi ; Max Air/Gas: 150 psi; Max Water/Light Oil: 100 psi | | | Min 5 psi ; Max Air/Gas/Water: 150 psi; Max Light Oil: 100 psi | Min 4 psi ; Max Air/Gas: 150 psi; Max Water/Light Oil: 100 psi | | | Min 5 psi ; Max Air/Gas/Water: 150 psi; Max Light Oil: 100 psi |
| Voltage (± 10%) | 24 VDC | | | | | | | |
| Inrush AC | N/A | | | | | | | |
| Power Consumption | 10W | | | | | | | |
| Max Cycles per Minute** | 15 | | | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | | | |
| Min Response | Liquid: 38-150 ms; Gas: 23-75 ms | | | Liquid: 113-225 ms; Gas: 75-113 ms | Liquid: 38-150 ms; Gas: 23-75 ms | | | Liquid: 113-225 ms; Gas: 75-113 ms |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 180°F (82.2°C) | | | | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | |
| Lubrication | Not required | | | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | | | |
| Connection | 18mm DIN style wiring plug | | | | | | | |
| Construction | Brass body; Nitrile seals; Stainless steel pilot orifice | | | | Brass body; Viton seals; Stainless steel pilot orifice | | | |
| Life Cycle | 1 Million | | | | | | | |
| Agency Approvals* | CE, CSA, UL Recognized | | | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

** Cannot be used in PWM (pulse width modulation) applications



S301 Series GCV Direct Acting Valves

GC Valves S301 Series valves are an excellent choice for general purpose applications up to 200 psi. These valves work with air, inert gas, water, coolant or light oil and are available in brass bodies with Viton seals.



Features

- 2-ports (2-way), 2-position
- Normally closed (N.C.) configuration
- Direct acting operator
- Zero differential action
- 18mm (DIN 43650A) style wiring plug
- 1/4" NPT ports
- 120 VAC or 24 VDC solenoids
- Viton seals
- Made in USA



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| S301 Series GCV Direct Acting Valves | | | | | | |
|--------------------------------------|--|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Model | S301YF02V8BD5 | S301YF02V8BD7 | S301YF02V8BE1 | S301YF16V8BD5 | S301YF16V8BD7 | S301YF16V8BE1 |
| Price | \$85.00 | \$85.00 | \$85.00 | \$85.00 | \$85.00 | \$85.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 1.26 | | | | | |
| Valve Type | 2-port (2-way), 2-position | | | | | |
| Acting | Direct acting, N.C. | | | | | |
| Inlet Port Size | 1/4" FNPT | | | | | |
| Outlet Port Size | 1/4" FNPT | | | | | |
| Orifice Size | 1/8" | 5/32" | 3/16" | 1/8" | 5/32" | 3/16" |
| Cv | 0.36 | 0.44 | 0.65 | 0.36 | 0.44 | 0.65 |
| Media | Air, Inert Gas, Water, Coolant, Light Oil | | | | | |
| Pressure Range | 0-200 psi | 0-150 psi | 0-100 psi | 0-140 psi | 0-100 psi | 0-70 psi |
| Voltage (± 10%) | 120 VAC | | | 24 VDC | | |
| Inrush AC | 54VA | | | N/A | | |
| Power Consumption | 10W | | | | | |
| Max Cycles per Minute** | 250-300 | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | |
| Min Response | 5-15 ms | | | 8-23 ms | | |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | | | |
| Lubrication | Not required | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | |
| Connection | 18mm DIN style wiring plug | | | | | |
| Construction | Brass body; Viton seals | | | | | |
| Life Cycle | 5 Million | | | | | |
| Agency Approvals* | CE, CSA, UL Recognized | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

** Cannot be used in PWM (pulse width modulation) applications



H401 Series GCV High Pressure Valves

GC Valves H401 Series valves are an excellent choice for general purpose applications up to 2200 psi. These valves work with air, inert gas, water or coolant and are available in stainless steel bodies with Viton/PTFE seals.



Features

- 2-ports (2-way), 2-position
- Normally closed (N.C.) configuration
- Piloted piston operator
- Zero differential action
- Max operating pressure 2200 psi
- 18mm (DIN 43650A) style wiring plug
- 1/4" or 3/8" NPT ports
- 120 VAC or 24 VDC solenoids
- Viton/PTFE seals
- Made in USA



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| H401 Series GCV High Pressure Valves | | | | |
|--------------------------------------|---|-------------------------------|------------------------------------|-------------------------------|
| Model | H401YF02Z1BF5 | H401YF02Z1CF5 | H401YF16Z1BF5 | H401YF16Z1CF5 |
| Price | \$239.00 | \$239.00 | \$239.00 | \$239.00 |
| Drawing Link | PDF | PDF | PDF | PDF |
| Weight (lbs) | 1.81 | 1.78 | 1.84 | 1.79 |
| Valve Type | 2-port (2-way), 2-position | | | |
| Acting | Piloted piston, N.C. | | | |
| Inlet Port Size | 1/4" FNPT | 3/8" FNPT | 1/4" FNPT | 3/8" FNPT |
| Outlet Port Size | 1/4" FNPT | 3/8" FNPT | 1/4" FNPT | 3/8" FNPT |
| Orifice Size | 3/8" | | | |
| Cv | 1.1 | 1.5 | 1.1 | 1.5 |
| Media | Air, Inert Gas, Water, Coolant | | | |
| Pressure Range | 0-2200 psi | | | |
| Voltage (± 10%) | 120 VAC | | 24 VDC | |
| Inrush AC | 54VA | | N/A | |
| Power Consumption | 10W | | | |
| Max Cycles per Minute** | 30 | | | |
| Insulation | Class H: 180°C (356°F) | | | |
| Min Response | Liquid: 75-150 ms; Gas: 50-75 ms | | Liquid: 113-225 ms; Gas: 75-113 ms | |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | |
| Lubrication | Not required | | | |
| Protection | NEMA 4/4X Encapsulated | | | |
| Connection | 18mm DIN style wiring plug | | | |
| Construction | Stainless steel body; Viton/PTFE seals; Stainless steel orifice | | | |
| Life Cycle | 100000 | | | |
| Agency Approvals* | CE, CSA, UL Recognized | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

** Cannot be used in PWM (pulse width modulation) applications



GCV Valve Rebuild Kits

Part No. **KS201N-G4**Part No. **KS211K-G1**Part No. **KS301V-C3**Part No. **KS201N-G4-DC**Part No. **KS211N-G4-DC**

| GCV Valve Rebuild Kits | | | |
|-------------------------|---|----------|--------------|
| Part No. | Description | Price | Weight (lbs) |
| <u>KS201N-G4</u> | GC Valves rebuild kit, for use with S201 series AC valves ending N5CG4 and N5DG4, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body O-ring and operator O-ring. | \$66.00 | 0.33 |
| <u>KS201N-G5</u> | GC Valves rebuild kit, for use with S201 series AC valves ending N5EG5, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body O-ring and operator O-ring. | \$66.00 | 0.33 |
| <u>KS201N-G9</u> | GC Valves rebuild kit, for use with S201 series AC valves ending N5FG9, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body O-rings and operator O-ring. | \$88.00 | 0.41 |
| <u>KS201V-G4</u> | GC Valves rebuild kit, for use with S201 series AC valves ending V5CG4 and V5DG4, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body O-ring and operator O-ring. | \$80.00 | 0.33 |
| <u>KS201V-G5</u> | GC Valves rebuild kit, for use with S201 series AC valves ending V5EG5, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body O-ring and operator O-ring. | \$80.00 | 0.33 |
| <u>KS201V-G9</u> | GC Valves rebuild kit, for use with S201 series AC valves ending V5FG9, includes diaphragm assembly, diaphragm spring, plunger assembly, plunger tube, plunger spring, connecting spring, body O-rings and operator O-ring. | \$175.00 | 0.43 |
| <u>KS211K-G1</u> | GC Valves rebuild kit, for use with S211 series AC valves ending K4DG1, includes diaphragm assembly, diaphragm spring, plunger assembly, plunger tube, plunger spring, body O-rings and operator O-ring. | \$75.00 | 0.25 |
| <u>KS211K-G5</u> | GC Valves rebuild kit, for use with S211 series AC valves ending K4EG5, includes diaphragm assembly, diaphragm spring, plunger assembly, plunger tube, plunger spring, body O-rings and operator O-ring. | \$78.00 | 0.28 |
| <u>KS211N-G4</u> | GC Valves rebuild kit, for use with S211 series AC valves ending N5CG4 and N5DG4, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, body O-ring and operator O-ring. | \$62.00 | 0.32 |
| <u>KS211N-G5</u> | GC Valves rebuild kit, for use with S211 series AC valves ending N5EG5, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, body O-ring and operator O-ring. | \$62.00 | 0.32 |
| <u>KS211N-G9</u> | GC Valves rebuild kit, for use with S211 series AC valves ending N5FG9, includes diaphragm assembly, diaphragm spring, plunger assembly, plunger tube, plunger spring, body O-rings and operator O-ring. | \$59.00 | 0.38 |





GCV Valve Rebuild Kits

| GCV Valve Rebuild Kits | | | |
|-------------------------------------|--|----------|--------------|
| Part No. | Description | Price | Weight (lbs) |
| <u>KS211V-G4</u> | GC Valves rebuild kit, for use with S211 series AC valves ending V5CG4 and V5DG4, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, body O-ring and operator O-ring. | \$75.00 | 0.32 |
| <u>KS211V-G5</u> | GC Valves rebuild kit, for use with S211 series AC valves ending V5EG5, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, body O-ring and operator O-ring. | \$75.00 | 0.32 |
| <u>KS211V-G9</u> | GC Valves rebuild kit, for use with S211 series AC valves ending V5FG9, includes diaphragm assembly, diaphragm spring, plunger assembly, plunger tube, plunger spring, body O-rings and operator O-ring. | \$146.00 | 0.40 |
| <u>KS301V-C3</u> | GC Valves rebuild kit, for use with S301 series AC valves ending BD5, BD7 and BE1, includes plunger-seat disc-spring assembly, plunger tube, operator O-ring and body O-ring. | \$37.50 | 0.24 |
| <u>KS201N-G4-DC</u> | GC Valves rebuild kit, for use with S201 series DC valves ending N5CG4 and N5DG4, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body O-ring and operator O-ring. | \$66.00 | 0.33 |
| <u>KS201N-G5-DC</u> | GC Valves rebuild kit, for use with S201 series DC valves ending N5EG5, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body O-ring and operator O-ring. | \$66.00 | 0.33 |
| <u>KS201N-G9-DC</u> | GC Valves rebuild kit, for use with S201 series DC valves ending N5FG9, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body O-rings and operator O-ring. | \$88.00 | 0.41 |
| <u>KS201V-G4-DC</u> | GC Valves rebuild kit, for use with S201 series DC valves ending V5CG4 and V5DG4, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body O-ring and operator O-ring. | \$80.00 | 0.33 |
| <u>KS201V-G5-DC</u> | GC Valves rebuild kit, for use with S201 series DC valves ending V5EG5, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body O-ring and operator O-ring. | \$80.00 | 0.33 |
| <u>KS201V-G9-DC</u> | GC Valves rebuild kit, for use with S201 series DC valves ending V5FG9, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body O-rings and operator O-ring. | \$175.00 | 0.43 |
| <u>KS211N-G4-DC</u> | GC Valves rebuild kit, for use with S211 series DC valves ending N5CG4 and N5DG4, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, body O-ring and operator O-ring. | \$62.00 | 0.33 |
| <u>KS211N-G5-DC</u> | GC Valves rebuild kit, for use with S211 series DC valves ending N5EG5, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, body O-ring and operator O-ring. | \$62.00 | 0.33 |
| <u>KS211V-G4-DC</u> | GC Valves rebuild kit, for use with S211 series DC valves ending V5CG4 and V5DG4, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, body O-ring and operator O-ring. | \$75.00 | 0.33 |
| <u>KS211V-G5-DC</u> | GC Valves rebuild kit, for use with S211 series DC valves ending V5EG5, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, body O-ring and operator O-ring. | \$75.00 | 0.33 |
| <u>KH401Z</u> | GC Valves rebuild kit, for use with H401 series valves, includes plunger tube assembly, plunger assembly, plunger spring, plunger pin, piston pickup collar, piloted piston assembly, PTFE glide strip and operator cavity o-ring. | \$71.00 | 0.19 |



GCV Valve Replacement Coils

| GCV Valve Replacement Coils | | | | | | | | | |
|---|-----------------------------------|----------------|--------------|------------------------|---------------------------------|--------------|--------------------|---------|--------------|
| Coil Photo | Part No. | Voltage Rating | Power Rating | Insulation | Connection | Cable Length | Fits Valve Series | Price | Weight (lbs) |
|  | <u>HS3GN16A24</u> | 24VDC | 9W | Class H: 180°C (356°F) | 1/2 in conduit w/ 18AWG pigtail | 24.0 in | S211 series valves | \$38.50 | 0.54 |
|  | <u>HS3YN16</u> | 24VDC | 9W | Class H: 180°C (356°F) | 18mm DIN style wiring plug | N/A | S211 series valves | \$38.50 | 0.49 |



CFA Valves



Part No.
SC911YN02VEAA5



Part No.
SC311YN02VIAA6

CFA branded valves from GC Valves are an excellent choice for many general purpose applications for lower flows and smaller body sizes. These valves work with air, inert gas, water or coolant and are available in nylon, brass or stainless steel bodies with Viton seals.

Features

- 2-ports (2-way), 2-position
- Normally closed (N.C.) and normally open (N.O.) configurations
- Direct acting operator
- Zero differential action
- 11mm DIN style wiring plug
- 1/8" or 1/4" NPT ports
- 120 VAC, 24 VAC or 24 VDC solenoids
- Viton seals
- Made in USA



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| CFA Valves | | | | | | |
|-------------------------|--|--|--|--|----------------------|--|
| Model | SC911YN02VEAA5 | SC311YN02VIAA6 | SC912YN02VEAA5 | SC911YN02VFAA5 | SC912YN02VFAA5 | SC911YN16VEAA5 |
| Price | \$40.50 | \$56.00 | \$72.00 | \$53.00 | \$77.00 | \$43.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 0.40 | 0.37 | 0.42 | | | |
| Valve Type | 2-port (2-way), N.C. | | 2-port (2-way), N.O. | 2-port (2-way), N.C. | 2-port (2-way), N.O. | 2-port (2-way), N.C. |
| Acting | Direct acting, N.C. | | Direct acting, N.O. | Direct acting, N.C. | Direct acting, N.O. | Direct acting, N.C. |
| Inlet Port Size | 1/8" FNPT | | | | | |
| Outlet Port Size | 1/8" FNPT | | | | | |
| Orifice Size | 2.4 mm | 3.0 mm | 2.4 mm | | | |
| Cv | 0.14 | 0.28 | 0.086 | 0.14 | 0.086 | 0.14 |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-203 psi | 0-116 psi | 0-55 psi | 0-203 psi | 0-55 psi | 0-87 psi |
| Voltage (± 10%) | 120 VAC | | | | | 24 VDC |
| Inrush AC | 19.5VA | | | | | N/A |
| Power Consumption | 6.5VA | | | | | 4W |
| Max Cycles per Minute** | 250-300 | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | |
| Min Response | 5-15 ms | | | | | 8-23 ms |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | | | |
| Lubrication | Not required | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Construction | Brass body; Viton seals; Stainless steel orifice | Nylon body; Viton seals; Nylon orifice | Brass body; Viton seals; Stainless steel orifice | Stainless steel body; Viton seals; Stainless steel orifice | | Brass body; Viton seals; Stainless steel orifice |
| Life Cycle | 1 Million | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

** Cannot be used in PWM (pulse width modulation) applications



CFA Valves



| CFA Valves Cont. | | | | | | |
|-------------------------|---|--|--|----------------------|--|--|
| Model | SC311YN16/IAA6 | SC912YN16/VEAA5 | SC911YN16/VFAA5 | SC912YN16/VFAA5 | SC911YN24/VEAA5 | SC311YN24/IAA6 |
| Price | \$56.00 | \$72.00 | \$53.00 | \$77.00 | \$43.00 | \$56.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 0.38 | 0.42 | | 0.42 | 0.41 | |
| Valve Type | 2-port (2-way), N.C. | 2-port (2-way), N.O. | 2-port (2-way), N.C. | 2-port (2-way), N.O. | 2-port (2-way), N.C. | |
| Acting | Direct acting, N.C. | Direct acting | Direct acting, N.C. | Direct acting, N.O. | Direct acting, N.C. | |
| Inlet Port Size | 1/8" FNPT | | | | | |
| Outlet Port Size | 1/8" FNPT | | | | | |
| Orifice Size | 3.0 mm | 2.4 mm | | | | 3.0 mm |
| Cv | 0.28 | 0.086 | 0.14 | 0.086 | 0.14 | 0.28 |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-36 psi | 0-55 psi | 0-87 psi | 0-55 psi | 0-203 psi | 0-116 psi |
| Voltage (± 10%) | 24 VDC | | | | 24 VAC | |
| Inrush AC | N/A | | | | 19.5VA | |
| Power Consumption | 4W | | | | 6.5VA | |
| Max Cycles per Minute** | 250-300 | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | |
| Min Response | 8-23 ms | | | | 5-15 ms | |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 122°F (50°C) | | | | | |
| Lubrication | Not required | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Construction | Nylon body; Viton seals; Nylon orifice | Brass body; Viton seals; Stainless steel orifice | Stainless steel body; Viton seals; Stainless steel orifice | | Brass body; Viton seals; Stainless steel orifice | Nylon body; Viton seals; Nylon orifice |
| Life Cycle | 1 Million | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

** Cannot be used in PWM (pulse width modulation) applications



CFA Valves



| CFA Valves Cont. | | | | | | |
|-------------------------|--|--|----------------------|--|--|--|
| Model | SC912YN24VEAA5 | SC911YN24VFAA5 | SC912YN24VFAA5 | SC911YN02VEBA5 | SC311YN02VEBA5 | SC912YN02VEBA4 |
| Price | \$72.00 | \$53.00 | \$72.00 | \$44.50 | \$58.00 | \$71.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 0.43 | | | 0.44 | 0.37 | 0.46 |
| Valve Type | 2-port (2-way), N.O. | 2-port (2-way), N.C. | 2-port (2-way), N.O. | 2-port (2-way), N.C. | | 2-port (2-way), N.O. |
| Acting | Direct acting, N.O. | Direct acting, N.C. | Direct acting, N.O. | Direct acting, N.C. | | Direct acting, N.O. |
| Inlet Port Size | 1/8" FNPT | | | 1/4" FNPT | | |
| Outlet Port Size | 1/8" FNPT | | | 1/4" FNPT | | |
| Orifice Size | 2.4 mm | | | | | 2.0 mm |
| Cv | 0.086 | 0.14 | 0.086 | 0.14 | 0.28 | 0.065 |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-55 psi | 0-203 psi | 0-55 psi | 0-203 psi | 0-116 psi | 0-95 psi |
| Voltage (± 10%) | 24 VAC | | | 120 VAC | | |
| Inrush AC | 19.5VA | | | | | |
| Power Consumption | 6.5VA | | | | | |
| Max Cycles per Minute** | 250-300 | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | |
| Min Response | 5-15 ms | | | | | |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | | | |
| Lubrication | Not required | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Construction | Brass body; Viton seals; Stainless steel orifice | Stainless steel body; Viton seals; Stainless steel orifice | | Brass body; Viton seals; Stainless steel orifice | Nylon body; Viton seals; Stainless orifice | Brass body; Viton seals; Stainless steel orifice |
| Life Cycle | 1 Million | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

** Cannot be used in PWM (pulse width modulation) applications



CFA Valves



| CFA Valves Cont. | | | | | | |
|-------------------------|--|--|--|--|--|----------------------|
| Model | SC911YN02VFBA5 | SC912YN02VFBA4 | SC911YN16VEBA5 | SC311YN16VIBA5 | SC912YN16VEBA4 | SC911YN16VFBA5 |
| Price | \$60.00 | \$72.00 | \$42.00 | \$58.00 | \$72.00 | \$59.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 0.44 | | 0.45 | 0.38 | 0.47 | |
| Valve Type | 2-port (2-way), N.C. | 2-port (2-way), N.O. | 2-port (2-way), N.C. | | 2-port (2-way), N.O. | 2-port (2-way), N.C. |
| Acting | Direct acting, N.C. | Direct acting, N.O. | Direct acting, N.C. | | Direct acting, N.O. | Direct acting, N.C. |
| Inlet Port Size | 1/4" FNPT | | | | | |
| Outlet Port Size | 1/4" FNPT | | | | | |
| Orifice Size | 2.4 mm | 2.0 mm | 2.4 mm | | 2.0 mm | 2.4 mm |
| Cv | 0.14 | 0.065 | 0.14 | 0.14 | 0.065 | 0.14 |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-203 psi | 0-95 psi | 0-87 psi | 0-87 psi | 0-95 psi | 0-87 psi |
| Voltage (± 10%) | 120 VAC | | 24 VDC | | | |
| Inrush AC | 19.5VA | | N/A | | | |
| Power Consumption | 6.5VA | | 4W | | | |
| Max Cycles per Minute** | 250-300 | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | |
| Min Response | 5-15 ms | | 8-23 ms | | | |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | | | |
| Lubrication | Not required | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Construction | Stainless steel body; Viton seals; Stainless steel orifice | Brass body; Viton seals; Stainless steel orifice | Nylon body; Viton seals; Stainless orifice | Brass body; Viton seals; Stainless steel orifice | Stainless steel body; Viton seals; Stainless steel orifice | |
| Life Cycle | 1 Million | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

** Cannot be used in PWM (pulse width modulation) applications



CFA Valves



| CFA Valves Cont. | | | | | | |
|-------------------------|--|--|--|--|--|----------------------|
| Model | SC912YN16VFBA4 | SC911YN24VFBA5 | SC311YN24VIBA5 | SC912YN24VFBA4 | SC911YN24VFBA5 | SC912YN24VFBA4 |
| Price | \$72.00 | \$44.50 | \$58.00 | \$71.00 | \$60.00 | \$72.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 0.46 | | 0.38 | 0.47 | | |
| Valve Type | 2-port (2-way), N.O. | 2-port (2-way), N.C. | | 2-port (2-way), N.O. | 2-port (2-way), N.C. | 2-port (2-way), N.O. |
| Acting | Direct acting, N.O. | Direct acting, N.C. | | Direct acting, N.O. | Direct acting, N.C. | Direct acting, N.O. |
| Inlet Port Size | 1/4" FNPT | | | | | |
| Outlet Port Size | 1/4" FNPT | | | | | |
| Orifice Size | 2.0 mm | 2.4 mm | | 2.0 mm | 2.4 mm | 2.0 mm |
| Cv | 0.065 | 0.14 | 0.14 | 0.065 | 0.14 | 0.065 |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-95 psi | 0-203 psi | 0-203 psi | 0-95 psi | 0-203 psi | 0-95 psi |
| Voltage (± 10%) | 24 VDC | 24 VAC | | | | |
| Inrush AC | N/A | 19.5VA | | | | |
| Power Consumption | 4W | 6.5VA | | | | |
| Max Cycles per Minute** | 250-300 | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | |
| Min Response | 8-23 ms | 5-15 ms | | | | |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | | | |
| Lubrication | Not required | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Construction | Stainless steel body; Viton seals; Stainless steel orifice | Brass body; Viton seals; Stainless steel orifice | Nylon body; Viton seals; Stainless orifice | Brass body; Viton seals; Stainless steel orifice | Stainless steel body; Viton seals; Stainless steel orifice | |
| Life Cycle | 1 Million | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

** Cannot be used in PWM (pulse width modulation) applications



CFA 3-Way Valves



Part No.
SC913YN02VEAA3

CFA branded valves from GC Valves are an excellent choice for many general purpose applications for lower flows and smaller body sizes. These valves work with air, inert gas, water or coolant and are available in brass or stainless steel bodies with Viton seals.

Features

- 3-ports (3-way), 2-position
- Normally closed (N.C.) configuration
- Direct acting operator
- Zero differential action
- 11mm DIN style wiring plug
- 1/8" or 1/4" NPT inlet/outlet ports
- #10-32 exhaust port
- 120 VAC, 24 VAC or 24 VDC solenoids
- Viton seals
- Made in USA



Made in the USA

Also, see our website
www.AutomationDirect.com
for a variety of fitting options

| CFA 3-Way Valves | | | | | | |
|-------------------------|--|--|---------------------|---------------------|--|---------------------|
| Model | SC913YN02VEAA3 | SC913YN02VEBA3 | SC913YN02VFBA3 | SC913YN02VFBA3 | SC913YN16VEAA3 | SC913YN16VEBA3 |
| Price | \$48.50 | \$49.50 | \$60.00 | \$67.00 | \$48.50 | \$49.50 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 0.40 | 0.44 | 0.39 | | | 0.44 |
| Valve Type | 3-port (3-way), N.C. | | | | | |
| Acting | Direct acting, N.C. | | | | | |
| Inlet Port Size | 1/8" FNPT | 1/4" FNPT | 1/8" FNPT | 1/4" FNPT | 1/8" FNPT | 1/4" FNPT |
| Outlet Port Size | 1/8" FNPT | 1/4" FNPT | 1/8" FNPT | 1/4" FNPT | 1/8" FNPT | 1/4" FNPT |
| Orifice Size | 1.6 mm | | | | | |
| Cv | 0.084 | | | | | |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-102 psi | | | | | |
| Voltage (± 10%) | 120 VAC | | | | 24 VDC | |
| Inrush AC | 19.5VA | | | | N/A | |
| Power Consumption | 6.5VA | | | | 4W | |
| Max Cycles per Minute** | 250-300 | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | |
| Min Response | 5-15 ms | | | | 8-23 ms | |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | | | |
| Lubrication | Not required | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Construction | Brass body; Viton seals; Stainless steel orifice | Stainless steel body; Viton seals; Stainless steel orifice | | | Brass body; Viton seals; Stainless steel orifice | |
| Life Cycle | 1 Million | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

** Cannot be used in PWM (pulse width modulation) applications



CFA 3-Way Valves



| CFA 3-Way Valves Cont. | | | | | | |
|-------------------------|--|---------------------|--|---------------------|--|---------------------|
| Model | SC913YN16/VFAA3 | SC913YN16/VFBA3 | SC913YN24/VEAA3 | SC913YN24/VEBA3 | SC913YN24/VFAA3 | SC913YN24/VFBA3 |
| Price | \$60.00 | \$67.00 | \$48.50 | \$49.50 | \$60.00 | \$67.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 0.39 | 0.44 | 0.40 | 0.45 | 0.39 | 0.44 |
| Valve Type | 3-port (3-way), N.C. | | | | | |
| Acting | Direct acting, N.C. | | | | | |
| Inlet Port Size | 1/8" FNPT | 1/4" FNPT | 1/8" FNPT | 1/4" FNPT | 1/8" FNPT | 1/4" FNPT |
| Outlet Port Size | 1/8" FNPT | 1/4" FNPT | 1/8" FNPT | 1/4" FNPT | 1/8" FNPT | 1/4" FNPT |
| Orifice Size | 1.6 mm | | | | | |
| Cv | 0.084 | | | | | |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-102 psi | | | | | |
| Voltage (± 10%) | 24 VDC | | 24 VAC | | | |
| Inrush AC | N/A | | 19.5VA | | | |
| Power Consumption | 4W | | 6.5VA | | | |
| Max Cycles per Minute** | 250-300 | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | |
| Min Response | 8-23 ms | | 5-15 ms | | | |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | | | |
| Lubrication | Not required | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Construction | Stainless steel body; Viton seals; Stainless steel orifice | | Brass body; Viton seals; Stainless steel orifice | | Stainless steel body; Viton seals; Stainless steel orifice | |
| Life Cycle | 1 Million | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

** Cannot be used in PWM (pulse width modulation) applications



CFA Valve Banks



CFA branded valve banks from GC Valves are an excellent choice for multi-valve applications with limited space. These 2-, 3- or 4-valve banks work with air, inert gas, water or coolant and are available in brass or stainless steel bodies with Viton seals.

Features

- 2-ports (2-way), 2-position
- Normally closed (N.C.) configuration
- 2-, 3- or 4-valve banks
- Direct acting operator
- Zero differential action
- Available with or without integral flow metering
- 11mm DIN style wiring plug
- 1/4" NPT ports
- 120 VAC, 24 VAC or 24 VDC solenoids
- Viton seals
- Made in USA



Part No.
SC921YN02VBBA5



Part No.
SC931YN02VDBA5



Part No.
SC941YN02VDBA5F



Also, see our website
www.AutomationDirect.com
for a variety of fitting options

**Made
in the
USA**



Where Applicable

| CFA Valve Banks | | | | | | |
|------------------------|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Model | SC921YN02VBBA5 | SC921YN02VBBA5F | SC931YN02VBBA5 | SC931YN02VBBA5F | SC941YN02VBBA5 | SC941YN02VBBA5F |
| Price | \$148.00 | \$178.00 | \$221.00 | \$267.00 | \$282.00 | \$340.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 1.11 | 1.50 | 2.06 | 1.92 | 2.63 | |
| Stations | (2) stations | (2) stations | (3) stations | (3) stations | (4) stations | (4) stations |
| Valve Type | 2-port (2-way), N.C. | | | | | |
| Acting | Direct acting, N.C. | | | | | |
| Integral Flow Metering | No | Yes | No | Yes | No | Yes |
| Inlet Port Size | 1/4" FNPT | | | | | |
| Outlet Port Size | 1/4" FNPT | | | | | |
| Cv | 0.14 | | | | | |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-203 psi | | | | | |
| Manifold Material | Brass | Brass | Brass | Brass | Brass | Brass |
| Voltage (± 10%) | 120 VAC | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.



CFA Valve Banks



| CFA Valve Banks Cont. | | | | | | |
|------------------------|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Model | SC921YN02VDBA5 | SC921YN02VDBA5F | SC931YN02VDBA5 | SC931YN02VDBA5F | SC941YN02VDBA5 | SC941YN02VDBA5F |
| Price | \$229.00 | \$259.00 | \$343.00 | \$388.00 | \$425.00 | \$481.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 1.05 | 1.43 | 1.43 | 1.95 | 1.84 | 2.49 |
| Stations | (2) stations | (2) stations | (3) stations | (3) stations | (4) stations | (4) stations |
| Valve Type | 2-port (2-way), N.C. | | | | | |
| Acting | Direct acting, N.C. | | | | | |
| Integral Flow Metering | No | Yes | No | Yes | No | Yes |
| Inlet Port Size | 1/4" FNPT | | | | | |
| Outlet Port Size | 1/4" FNPT | | | | | |
| Cv | 0.14 | | | | | |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-203 psi | | | | | |
| Manifold Material | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel |
| Voltage (± 10%) | 120 VAC | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

| CFA Valve Banks Cont. | | | | | | |
|------------------------|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Model | SC921YN16VDBA5 | SC921YN16VDBA5F | SC931YN16VDBA5 | SC931YN16VDBA5F | SC941YN16VDBA5 | SC941YN16VDBA5F |
| Price | \$148.00 | \$178.00 | \$221.00 | \$267.00 | \$282.00 | \$340.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 1.12 | 1.51 | | 2.07 | 1.94 | 2.65 |
| Stations | (2) stations | (2) stations | (3) stations | (3) stations | (4) stations | (4) stations |
| Valve Type | 2-port (2-way), N.C. | | | | | |
| Acting | Direct acting, N.C. | | | | | |
| Integral Flow Metering | No | Yes | No | Yes | No | Yes |
| Inlet Port Size | 1/4" FNPT | | | | | |
| Outlet Port Size | 1/4" FNPT | | | | | |
| Cv | 0.14 | | | | | |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-87 psi | | | | | |
| Manifold Material | Brass | Brass | Brass | Brass | Brass | Brass |
| Voltage (± 10%) | 24 VDC | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.



CFA Valve Banks



CFA Valve Banks Cont.

| Model | SC921YN16VDBA5 | SC921YN16VDBA5F | SC931YN16VDBA5 | SC931YN16VDBA5F | SC941YN16VDBA5 | SC941YN16VDBA5F |
|------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|
| Price | \$229.00 | \$259.00 | \$343.00 | \$388.00 | \$437.00 | \$494.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 1.06 | 1.44 | | 1.96 | 1.86 | 2.51 |
| Stations | (2) stations | (2) stations | (3) stations | (3) stations | (4) stations | (4) stations |
| Valve Type | 2-port (2-way), N.C. | | | | | |
| Acting | Direct acting, N.C. | | | | | |
| Integral Flow Metering | No | Yes | No | Yes | No | Yes |
| Inlet Port Size | 1/4" FNPT | | | | | |
| Outlet Port Size | 1/4" FNPT | | | | | |
| Cv | 0.14 | | | | | |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-87 psi | | | | | |
| Manifold Material | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel |
| Voltage (± 10%) | 24 VDC | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

CFA Valve Banks Cont.

| Model | SC921YN24VDBA5 | SC921YN24VDBA5F | SC931YN24VDBA5 | SC931YN24VDBA5F | SC941YN24VDBA5 | SC941YN24VDBA5F |
|------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|
| Price | \$148.00 | \$178.00 | \$221.00 | \$267.00 | \$282.00 | \$340.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 1.13 | 1.52 | | 2.09 | 1.95 | 2.67 |
| Stations | (2) stations | (2) stations | (3) stations | (3) stations | (4) stations | (4) stations |
| Valve Type | 2-port (2-way), N.C. | | | | | |
| Acting | Direct acting, N.C. | | | | | |
| Integral Flow Metering | No | Yes | No | Yes | No | Yes |
| Inlet Port Size | 1/4" FNPT | | | | | |
| Outlet Port Size | 1/4" FNPT | | | | | |
| Cv | 0.14 | | | | | |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-203 psi | | | | | |
| Manifold Material | Brass | Brass | Brass | Brass | Brass | Brass |
| Voltage (± 10%) | 24 VAC | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.



CFA Valve Banks



| CFA Valve Banks Cont. | | | | | | |
|------------------------|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Model | SC921YN24VDBA5 | SC921YN24VDBA5F | SC931YN24VDBA5 | SC931YN24VDBA5F | SC941YN24VDBA5 | SC941YN24VDBA5F |
| Price | \$229.00 | \$259.00 | \$343.00 | \$388.00 | \$437.00 | \$494.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 1.07 | 1.45 | | 1.98 | 1.88 | 2.53 |
| Stations | (2) stations | (2) stations | (3) stations | (3) stations | (4) stations | (4) stations |
| Valve Type | 2-port (2-way), N.C. | | | | | |
| Acting | Direct acting, N.C. | | | | | |
| Integral Flow Metering | No | Yes | No | Yes | No | Yes |
| Inlet Port Size | 1/4" FNPT | | | | | |
| Outlet Port Size | 1/4" FNPT | | | | | |
| Cv | 0.14 | | | | | |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-203 psi | | | | | |
| Manifold Material | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel |
| Voltage ($\pm 10\%$) | 24 VAC | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

*To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.



CFA Valve Rebuild Kits

Part No. **KSC9102VBA5**Part No. **KSC3102VDA5**Part No. **KSC9202VDA5**

| CFA Valve Rebuild Kits | | | |
|---------------------------|---|---------|--------------|
| Part No. | Description | Price | Weight (lbs) |
| <u>KSC9102VBA5</u> | CFA rebuild kit, for use with SC911 series brass valves and valve banks, includes plunger tube assembly and plunger assembly. | \$46.00 | 0.16 |
| <u>KSC3102VDA5</u> | CFA rebuild kit, for use with SC311 series valves, includes plunger tube assembly and plunger assembly. | \$44.50 | 0.18 |
| <u>KSC9102VDA5</u> | CFA rebuild kit, for use with SC911 series SS valves and valve banks, includes plunger tube assembly and plunger assembly. | \$53.00 | 0.16 |
| <u>KSC9202VDA5</u> | CFA rebuild kit, for use with SC912 series valves, includes plunger tube assembly, plunger, plunger tube head, set retainer and spring. | \$58.00 | 0.17 |
| <u>KSC9302VDA3</u> | CFA rebuild kit, for use with SC913 series valves, includes plunger tube assembly and plunger assembly. | \$58.00 | 0.16 |



CFA Valve Replacement Coils and Spare Parts

**Part No. [C944](#)****Part No. [C987](#)****Part No. [C999](#)**

| CFA Valve Replacement Coils | | | | |
|-----------------------------|--|---------|--------------|---------------------|
| Part No. | Description | Price | Weight (lbs) | Drawing Link |
| C926 | CFA solenoid coil, replacement, 24 VDC, 4W, 11mm DIN style wiring plug. For use with SC3 and SC9 series valves. | \$28.00 | 0.25 | PDF |
| C944 | CFA solenoid coil, replacement, 120 VAC, 6.5 VA, 11mm DIN style wiring plug. For use with SC3 and SC9 series valves. | \$28.00 | 0.25 | PDF |
| C987 | CFA solenoid coil, replacement, 24 VAC, 6.5 VA, 11mm DIN style wiring plug. For use with SC3 and SC9 series valves. | \$28.00 | 0.25 | PDF |
| C999 | CFA solenoid coil, replacement, 12 VDC, 4W, 11mm DIN style wiring plug. For use with SC3 and SC9 series valves. | \$28.00 | 0.25 | PDF |
| S060.1016P | CFA solenoid coil nut, for use with CFA C9 coils. | \$0.75 | 0.13 | N/A |