



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 | \$144.00 | \$144.00 | \$160.00 | \$306.00 | \$185.00 | \$185.00 | \$209.00 | \$335.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 2.02 | 1.9 | 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 | \$144.00 | \$144.00 | \$160.00 | \$306.00 | \$185.00 | \$185.00 | \$209.00 | \$335.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 2.04 | 1.94 | 2.1 | 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



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. | \$114.00 | 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. | \$115.00 | 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. | \$152.00 | 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. | \$138.00 | 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. | \$138.00 | 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. | \$303.00 | 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. | \$130.00 | 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. | \$136.00 | 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. | \$107.00 | 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. | \$107.00 | 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. | \$102.00 | 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. | \$130.00 | 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. | \$130.00 | 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. | \$254.00 | 0.4 |
| <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. | \$65.00 | 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. | \$114.00 | 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. | \$115.00 | 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. | \$152.00 | 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. | \$138.00 | 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. | \$138.00 | 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. | \$303.00 | 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. | \$107.00 | 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. | \$107.00 | 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. | \$130.00 | 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. | \$130.00 | 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. | \$154.00 | 0.19 |





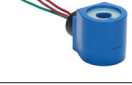
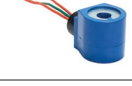










GCV Valve Replacement Coils

| 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 | \$67.00 | 0.54 |
|  | <u>HS3YN16</u> | 24VDC | 9W | Class H: 180°C (356°F) | 18mm DIN style wiring plug | N/A | S211 series valves | \$67.00 | 0.49 |



GCV Valves Replacement Coils

| Water Valve Accessory Coils | | | | | | | | | |
|---|-----------------------------------|----------------|--------------|---------------------------|--|--------------|--|---------|--------------|
| Coil Photo | Part No. | Voltage Rating | Power Rating | Insulation | Connection | Cable Length | Fits Valve Series | Price | Weight (lbs) |
|  | <u>HS4YN02</u> | 120VAC | 10W | Class H: 180°C (356°F) | 18mm (DIN 43650A) style wiring plug | N/A | S201, NS201, S301 and NS301 valves | \$49.00 | 0.6 |
|  | <u>HS4YN04</u> | 240VAC | 10W | Class H: 180°C (356°F) | 18mm (DIN 43650A) style wiring plug | N/A | S201, NS201, S301 and NS301 valves | \$49.00 | 0.6 |
|  | <u>HS4YN24</u> | 24VAC | 10W | Class H: 180°C (356°F) | 18mm (DIN 43650A) style wiring plug | N/A | S201, NS201, S301 and NS301 valves | \$49.00 | 0.6 |
|  | <u>HS4YN16</u> | 24VDC | 10W | Class H: 180°C (356°F) | 18mm (DIN 43650A) style wiring plug | N/A | S201, NS201, S211 DC, NS211 DC, S301 and NS301 valves | \$49.00 | 0.6 |
|  | <u>HS4GN02A24</u> | 120VAC | 10W | Class H: 180°C (356°F) | 1/2 in conduit 24in 18AWG pigtail | 24.0 in | S201, NS201, S301 and NS301 valves | \$49.00 | 0.6 |
|  | <u>HS4GN04A24</u> | 240VAC | 10W | Class H: 180°C (356°F) | 1/2 in conduit 24in 18AWG pigtail | 24.0 in | S201, NS201, S301 and NS301 valves | \$49.00 | 0.6 |
|  | <u>HS4GN24A24</u> | 24VAC | 10W | Class H: 180°C (356°F) | 1/2 in conduit 24in 18AWG pigtail | 24.0 in | S201, NS201, S301 and NS301 valves | \$49.00 | 0.6 |
|  | <u>HS4GN16A24</u> | 24VDC | 10W | Class H: 180°C (356°F) | 1/2 in conduit 24in 18AWG pigtail | 24.0 in | S201, NS201, S211 DC, NS211 DC, S301 and NS301 valves | \$49.00 | 0.6 |
|  | <u>HS3YN02</u> | 120VAC | 8W | Class H: 180°C (356°F) | 18mm (DIN 43650A) style wiring plug | N/A | S211 and NS211 AC valves | \$41.00 | 0.5 |
|  | <u>HS3YN04</u> | 240VAC | 8W | Class H: 180°C (356°F) | 18mm (DIN 43650A) style wiring plug | N/A | S211 and NS211 AC valves | \$41.00 | 0.5 |
|  | <u>HS3YN24</u> | 24VAC | 8W | Class H: 180°C (356°F) | 18mm (DIN 43650A) style wiring plug | N/A | S211 and NS211 AC valves | \$41.00 | 0.5 |
|  | <u>HS3GN02A24</u> | 120VAC | 88W | Class H: 180°C (356°F) | 1/2 in conduit 24in 18AWG pigtail | 24.0 in | S211 and NS211 AC valves | \$41.00 | 0.5 |
|  | <u>HS3GN04A24</u> | 240VAC | 8W | Class H: 180°C (356°F) | 1/2 in conduit 24in 18AWG pigtail | 24.0 in | S211 and NS211 AC valves | \$41.00 | 0.5 |
|  | <u>HS3GN24A24</u> | 24VAC | 8W | Class H: 180°C (356°F) | 1/2 in conduit 24in 18AWG pigtail | 24.0 in | S211 and NS211 AC valves | \$41.00 | 0.5 |