



# 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



**Made  
in the  
USA**

Also, see our website  
[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of fitting options

| S301 Series GCV Direct Acting Valves |                                                              |                               |                               |                               |                               |                               |
|--------------------------------------|--------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Model                                | <a href="#">S301YF02V8BD5</a>                                | <a href="#">S301YF02V8BD7</a> | <a href="#">S301YF02V8BE1</a> | <a href="#">S301YF16V8BD5</a> | <a href="#">S301YF16V8BD7</a> | <a href="#">S301YF16V8BE1</a> |
| Price                                | \$85.00                                                      | \$85.00                       | \$85.00                       | \$85.00                       | \$85.00                       | \$85.00                       |
| Drawing Link                         | <a href="#">PDF</a>                                          | <a href="#">PDF</a>           | <a href="#">PDF</a>           | <a href="#">PDF</a>           | <a href="#">PDF</a>           | <a href="#">PDF</a>           |
| 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<br>(± 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



# 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) |
| <b><u>KS201N-G4</u></b> | 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         |
| <b><u>KS201N-G5</u></b> | 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         |
| <b><u>KS201N-G9</u></b> | 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         |
| <b><u>KS201V-G4</u></b> | 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         |
| <b><u>KS201V-G5</u></b> | 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         |
| <b><u>KS201V-G9</u></b> | 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         |
| <b><u>KS211K-G1</u></b> | 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         |
| <b><u>KS211K-G5</u></b> | 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         |
| <b><u>KS211N-G4</u></b> | 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         |
| <b><u>KS211N-G5</u></b> | 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         |
| <b><u>KS211N-G9</u></b> | 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) |
| <a href="#"><u>KS211V-G4</u></a>    | 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         |
| <a href="#"><u>KS211V-G5</u></a>    | 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         |
| <a href="#"><u>KS211V-G9</u></a>    | 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         |
| <a href="#"><u>KS301V-C3</u></a>    | 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         |
| <a href="#"><u>KS201N-G4-DC</u></a> | 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         |
| <a href="#"><u>KS201N-G5-DC</u></a> | 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         |
| <a href="#"><u>KS201N-G9-DC</u></a> | 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         |
| <a href="#"><u>KS201V-G4-DC</u></a> | 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         |
| <a href="#"><u>KS201V-G5-DC</u></a> | 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         |
| <a href="#"><u>KS201V-G9-DC</u></a> | 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         |
| <a href="#"><u>KS211N-G4-DC</u></a> | 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         |
| <a href="#"><u>KS211N-G5-DC</u></a> | 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         |
| <a href="#"><u>KS211V-G4-DC</u></a> | 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         |
| <a href="#"><u>KS211V-G5-DC</u></a> | 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         |
| <a href="#"><u>KH401Z</u></a>       | 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         |

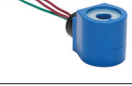
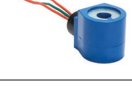


# GCV Valve Replacement Coils

| GCV Valve Replacement Coils                                                       |                                   |                |              |                        |                                 |              |                    |         |              |
|-----------------------------------------------------------------------------------|-----------------------------------|----------------|--------------|------------------------|---------------------------------|--------------|--------------------|---------|--------------|
| Coil Photo                                                                        | Part No.                          | Voltage Rating | Power Rating | Insulation             | Connection                      | Cable Length | Fits Valve Series  | Price   | Weight (lbs) |
|  | <a href="#"><u>HS3GN16A24</u></a> | 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         |
|  | <a href="#"><u>HS3YN16</u></a>    | 24VDC          | 9W           | Class H: 180°C (356°F) | 18mm DIN style wiring plug      | N/A          | S211 series valves | \$38.50 | 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) |
|    | <a href="#"><u>HS4YN02</u></a>    | 120VAC         | 10W          | Class H:<br>180°C (356°F) | 18mm (DIN 43650A)<br>style wiring plug | N/A          | S201, NS201, S301<br>and NS301 valves                          | \$51.00 | 0.6          |
|    | <a href="#"><u>HS4YN04</u></a>    | 240VAC         | 10W          | Class H:<br>180°C (356°F) | 18mm (DIN 43650A)<br>style wiring plug | N/A          | S201, NS201, S301<br>and NS301 valves                          | \$51.00 | 0.6          |
|    | <a href="#"><u>HS4YN24</u></a>    | 24VAC          | 10W          | Class H:<br>180°C (356°F) | 18mm (DIN 43650A)<br>style wiring plug | N/A          | S201, NS201, S301<br>and NS301 valves                          | \$51.00 | 0.6          |
|    | <a href="#"><u>HS4YN16</u></a>    | 24VDC          | 10W          | Class H:<br>180°C (356°F) | 18mm (DIN 43650A)<br>style wiring plug | N/A          | S201, NS201, S211<br>DC, NS211 DC,<br>S301 and NS301<br>valves | \$51.00 | 0.6          |
|    | <a href="#"><u>HS4GN02A24</u></a> | 120VAC         | 10W          | Class H:<br>180°C (356°F) | 1/2 in conduit<br>24in 18AWG pigtail   | 24.0 in      | S201, NS201, S301<br>and NS301 valves                          | \$51.00 | 0.6          |
|   | <a href="#"><u>HS4GN04A24</u></a> | 240VAC         | 10W          | Class H:<br>180°C (356°F) | 1/2 in conduit<br>24in 18AWG pigtail   | 24.0 in      | S201, NS201, S301<br>and NS301 valves                          | \$51.00 | 0.6          |
|  | <a href="#"><u>HS4GN24A24</u></a> | 24VAC          | 10W          | Class H:<br>180°C (356°F) | 1/2 in conduit<br>24in 18AWG pigtail   | 24.0 in      | S201, NS201, S301<br>and NS301 valves                          | \$51.00 | 0.6          |
|  | <a href="#"><u>HS4GN16A24</u></a> | 24VDC          | 10W          | Class H:<br>180°C (356°F) | 1/2 in conduit<br>24in 18AWG pigtail   | 24.0 in      | S201, NS201, S211<br>DC, NS211 DC,<br>S301 and NS301<br>valves | \$51.00 | 0.6          |
|  | <a href="#"><u>HS3YN02</u></a>    | 120VAC         | 8W           | Class H:<br>180°C (356°F) | 18mm (DIN 43650A)<br>style wiring plug | N/A          | S211 and NS211 AC<br>valves                                    | \$42.50 | 0.5          |
|  | <a href="#"><u>HS3YN04</u></a>    | 240VAC         | 8W           | Class H:<br>180°C (356°F) | 18mm (DIN 43650A)<br>style wiring plug | N/A          | S211 and NS211 AC<br>valves                                    | \$42.50 | 0.5          |
|  | <a href="#"><u>HS3YN24</u></a>    | 24VAC          | 8W           | Class H:<br>180°C (356°F) | 18mm (DIN 43650A)<br>style wiring plug | N/A          | S211 and NS211 AC<br>valves                                    | \$42.50 | 0.5          |
|  | <a href="#"><u>HS3GN02A24</u></a> | 120VAC         | 88W          | Class H:<br>180°C (356°F) | 1/2 in conduit<br>24in 18AWG pigtail   | 24.0 in      | S211 and NS211 AC<br>valves                                    | \$42.50 | 0.5          |
|  | <a href="#"><u>HS3GN04A24</u></a> | 240VAC         | 8W           | Class H:<br>180°C (356°F) | 1/2 in conduit<br>24in 18AWG pigtail   | 24.0 in      | S211 and NS211 AC<br>valves                                    | \$42.50 | 0.5          |
|  | <a href="#"><u>HS3GN24A24</u></a> | 24VAC          | 8W           | Class H:<br>180°C (356°F) | 1/2 in conduit<br>24in 18AWG pigtail   | 24.0 in      | S211 and NS211 AC<br>valves                                    | \$42.50 | 0.5          |