



# 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](http://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	<a href="#">PDF</a>	<a href="#">PDF</a>	<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)	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	<a href="#">S201YF16N5CG4</a>	<a href="#">S201YF16N5DG4</a>	<a href="#">S201YF16N5EG5</a>	<a href="#">S201YF16N5FG9</a>	<a href="#">S201YF16V5CG4</a>	<a href="#">S201YF16V5DG4</a>	<a href="#">S201YF16V5EG5</a>	<a href="#">S201YF16V5FG9</a>
Price	\$152.00	\$152.00	\$169.00	\$323.00	\$195.00	\$195.00	\$221.00	\$354.00
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>	<a href="#">PDF</a>	<a href="#">PDF</a>
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



# 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





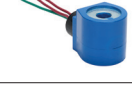
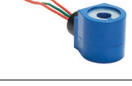










# GCV Valve Replacement Coils

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