



# 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



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[www.AutomationDirect.com](http://www.AutomationDirect.com)  
for a variety of fitting options

S211 Series GCV High Performance Valves

Model	<a href="#">S211YF02K4DG1</a>	<a href="#">S211YF02K4EG5</a>	<a href="#">S211YF16K4DG1</a>	<a href="#">S211YF16K4EG5</a>
Price	\$164.00	\$204.00	\$164.00	\$204.00
Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
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	<a href="#">S211YF02N5CG4</a>	<a href="#">S211YF02N5DG4</a>	<a href="#">S211YF02N5EG5</a>	<a href="#">S211YF02N5FG9</a>	<a href="#">S211YF02V5CG4</a>	<a href="#">S211YF02V5DG4</a>	<a href="#">S211YF02V5EG5</a>	<a href="#">S211YF02V5FG9</a>
Price	\$130.00	\$130.00	\$139.00	\$285.00	\$145.00	\$145.00	\$154.00	\$310.00
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)	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							

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# S211 Series GCV Piloted Diaphragm Valves

S211 Series GCV Piloted Diaphragm Valves Cont.

Model	<a href="#">S211YF16N5CG4</a>	<a href="#">S211YF16N5DG4</a>	<a href="#">S211YF16N5EG5</a>	<a href="#">S211YF16N5FG9</a>	<a href="#">S211YF16V5CG4</a>	<a href="#">S211YF16V5DG4</a>	<a href="#">S211YF16V5EG5</a>	<a href="#">S211YF16V5FG9</a>
Price	\$130.00	\$130.00	\$139.00	\$285.00	\$145.00	\$145.00	\$154.00	\$310.00
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)	2.05	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							

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\*\* 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





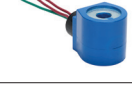
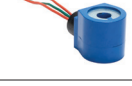










# GCV Valve Replacement Coils

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