



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



**Made
in the
USA**

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www.AutomationDirect.com
for a variety of fitting options

H401 Series GCV High Pressure Valves				
Model	H401YF02Z1BF5	H401YF02Z1CF5	H401YF16Z1BF5	H401YF16Z1CF5
Price				
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	18 mm 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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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.		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		0.54
	<u>HS3YN16</u>	24VDC	9W	Class H: 180°C (356°F)	18mm DIN style wiring plug	N/A	S211 series valves		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		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		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		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		0.6
	<u>HS4GN02A24</u>	120VAC	10W	Class H: 180°C (356°F)	1/2in conduit 24in 18AWG pigtail	24in	S201, NS201, S301 and NS301 valves		0.6
	<u>HS4GN04A24</u>	240VAC	10W	Class H: 180°C (356°F)	1/2in conduit 24in 18AWG pigtail	24in	S201, NS201, S301 and NS301 valves		0.6
	<u>HS4GN24A24</u>	24VAC	10W	Class H: 180°C (356°F)	1/2in conduit 24in 18AWG pigtail	24in	S201, NS201, S301 and NS301 valves		0.6
	<u>HS4GN16A24</u>	24VDC	10W	Class H: 180°C (356°F)	1/2in conduit 24in 18AWG pigtail	24in	S201, NS201, S211 DC, NS211 DC, S301 and NS301 valves		0.6
	<u>HS3YN02</u>	120VAC	8W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S211, NS211 and NS71 valves		0.5
	<u>HS3YN04</u>	240VAC	8W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S211, NS211 and NS71 valves		0.5
	<u>HS3YN24</u>	24VAC	8W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S211, NS211 and NS71 valves		0.5
	<u>HS3GN02A24</u>	120VAC	8W	Class H: 180°C (356°F)	1/2in conduit 24in 18AWG pigtail	24in	S211, NS211 and NS71 valves		0.5
	<u>HS3GN04A24</u>	240VAC	8W	Class H: 180°C (356°F)	1/2in conduit 24in 18AWG pigtail	24in	S211, NS211 and NS71 valves		0.5
	<u>HS3GN24A24</u>	24VAC	8W	Class H: 180°C (356°F)	1/2in conduit 24in 18AWG pigtail	24in	S211, NS211 and NS71 valves		0.5