



# 201 Series Water Valves (Nylon 6)



GC Valves 201 Series water valves are an excellent choice for potable water applications where supply pressure can drop to zero, such as emptying a tank. These valves are certified to NSF/ANSI 61 and have Nylon 6 bodies and NSF approved EPDM diaphragms. Ported for 3/8, 1/2 or 3/4 inch NPT, valves are available with either 120 VAC, 24 VAC or 24 VDC solenoids.

## 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" or 3/4" NPT ports
- 120 VAC, 24 VAC or 24 VDC solenoids



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



Certified to  
 NSF/ANSI 61

201 Series Water Valve								
Model	NS201YH02CPCDG4	NS201YH02CPEG5	NS201YH24CPCG4	NS201YH24CPDG4	NS201YH24CEG5	NS201YH16CPCG4	NS201YH16CPDG4	NS201YH16CEG5
Price								
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)	1.0	1.1	1.0	1.0	1.1	1.0	1.0	1.1
Valve Type	2-Ports (2-way), 2-position							
Acting	Piloted diaphragm, normally closed							
Port Size	1/2" FNPT	3/4" FNPT	3/8" FNPT	1/2" FNPT	3/4" FNPT	3/8" FNPT	1/2" FNPT	3/4" FNPT
Orifice Size	5/8"	3/4"	5/8"	5/8"	3/4"	5/8"	5/8"	3/4"
Cv	4.3	6.7	4.3	4.3	6.7	4.3	4.3	6.7
Media	Water							
Pressure Range	0-100 psi	0-100 psi	0-100 psi	0-100 psi	0-100 psi	0-90 psi	0-90 psi	0-90 psi
Voltage (± 10%)	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	24 VAC 50/60 Hz	24 VAC 50/60 Hz	24 VAC 50/60 Hz	24 VDC	24 VDC	24 VDC
Inrush AC	54 VA					-		
Power Consumption	10 W							
Max Cycles per Minute**	15							
Insulation	Class H: 180 °C (356 °F)							
Min Response	25-100 ms					38-150 ms		
Temperature	32 °F to 125 °F (0 °C to 51.7 °C); Max. Fluid Temp. 295 °F (146.1 °C)							
Lubrication	Not required							
Protection	NEMA 4/4X Encapsulated							
Connection	18mm (DIN 43650A) terminal							
Construction	Nylon 6 plastic body; NSF Approved EPDM seals; Stainless Steel pilot orifice							
Life Cycle	1 Million							
Agency Approvals*	NSF/ANSI - 61-G/NSF-372, 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



# 201 Series Water Valves (Stainless Steel)



GC Valves 201 Series water valves are an excellent choice for potable water applications where supply pressure can drop to zero, such as emptying a tank. These valves are certified to NSF/ANSI 61 and have 316 stainless steel bodies and NSF approved EPDM diaphragms. Ported for 1/2, 3/4, 1, 1-1/4 or 1-1/2 inch NPT, valves are available with either 120 VAC, 24 VAC or 24 VDC solenoids.

## Features

- 2-Ports (2-way), 2-position
- Normally closed (N.C.) configuration
- Piloted diaphragm operator
- Zero differential action
- 18mm (DIN 43650A) style wiring plug
- 1/2", 3/4", 1", 1-1/4" or 1-1/2" NPT ports
- 120 VAC, 24 VAC or 24 VDC solenoids



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Certified to  
NSF/ANSI 61



201 Series Water Valves						
Model	NS201YH02C7DG4	NS201YH02C7EG5	NS201YH02C7EG9	NS201YH02C7HJ2	NS201YH24C7DG4	NS201YH24C7EG5
Price						
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)	1.9	2.0	4.0	6.3	1.9	2.0
Valve Type	2-Ports (2-way), 2-position					
Acting	Piloted diaphragm, normally closed					
Port Size	1/2" FNPT	3/4" FNPT	1" FNPT	1-1/2" FNPT	1/2" FNPT	3/4" FNPT
Orifice Size	5/8"	3/4"	1"	1-1/4"	5/8"	3/4"
Cv	4.3	6.7	11.0	23.0	4.3	6.7
Media	Water					
Pressure Range	0-100 psi	0-100 psi	0-100 psi	0-100 psi	0-100 psi	0-100 psi
Voltage (± 10%)	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	24 VAC 50/60 Hz	24 VAC 50/60 Hz
Inrush AC	54 VA					
Power Consumption	10 W					
Max Cycles per Minute**	15					
Insulation	Class H: 180 °C (356 °F)					
Min Response	25-100 ms					
Temperature	32 °F to 125 °F (0 °C to 51.7 °C); Max. Fluid Temp. 295 °F (146.1 °C)					
Lubrication	Not required					
Protection	NEMA 4/4X Encapsulated					
Connection	18mm (DIN 43650A) terminal					
Construction	316 Stainless steel body; NSF Approved EPDM seals; Stainless Steel orifice					
Life Cycle	1 Million					
Agency Approvals	NSF/ANSI - 61-G/NSF-372, CE, CSA, UL Recognized					

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\*\* Cannot be used in PWM (pulse width modulation) applications



# 201 Series Water Valves (Stainless Steel) Cont.





201 Series Water Valves Cont.				
Model	NS201YH16C7DG4	NS201YH16C7EG5	NS201YH16C7FG9	NS201YH16C7HJ2
Price				
Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
Weight (lbs)	1.9	2.0	4.0	6.3
Valve Type	2-Ports (2-way), 2-position			
Acting	Piloted diaphragm, normally closed			
Port Size	1/2" FNPT	3/4" FNPT	1" FNPT	1-1/2" FNPT
Orifice Size	5/8"	3/4"	1"	1-1/4"
Cv	4.3	6.7	11.0	23.0
Media	Water			
Pressure Range	0-90 psi	0-90 psi	0-100 psi	0-100 psi
Voltage (± 10%)	24 VDC	24 VDC	24 VDC	24 VDC
Inrush AC	-			
Power Consumption	10 W			
Max Cycles per Minute**	15			
Insulation	Class H: 180 °C (356 °F)			
Min Response	38-150 ms			
Temperature	32 °F to 125 °F (0 °C to 51.7 °C); Max. Fluid Temp. 295 °F (146.1 °C)			
Lubrication	Not required			
Protection	NEMA 4/4X Encapsulated			
Connection	18mm (DIN 43650A) terminal			
Construction	316 Stainless steel body; NSF Approved EPDM seals; Stainless Steel orifice			
Life Cycle	1 Million			
Agency Approvals	NSF/ANSI - 61-G/NSF-372, CE, CSA, UL Recognized			

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# 201 Series Water Valve Accessories

201 Series Water Valve Accessories				
Kit Photo	Part No.	Description	Price	Weight (lbs)
	<a href="#"><u>KS201AH02G4-NSF</u></a>	GC Valves rebuild kit, for use with NS201 series AC valves ending CG4 and DG4, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body o-ring and operator o-ring.		0.4
	<a href="#"><u>KS201AH15G4-NSF</u></a>	GC Valves rebuild kit, for use with NS201 series DC valves ending CG4 and DG4, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body o-ring and operator o-ring.		0.4
	<a href="#"><u>KS201AH02G5-NSF</u></a>	GC Valves rebuild kit, for use with NS201 series AC valves ending EG5, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body o-ring and operator o-ring.		0.4
	<a href="#"><u>KS201AH15G5-NSF</u></a>	GC Valves rebuild kit, for use with NS201 series DC valves ending EG5, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, connecting spring, body o-ring and operator o-ring.		0.4

















# 201 Series Water Valve Accessories

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Kit Photo	Part No.	Description	Price	Weight (lbs)
	<b><u>KS201AH02G9-NSF</u></b>	GC Valves rebuild kit, for use with NS201 series AC valves ending G9, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, plunger connecting spring, body O-rings and operator O-ring.		0.4
	<b><u>KS201AH02J2-NSF</u></b>	GC Valves rebuild kit, for use with NS201 series AC valves ending J2, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, plunger connecting spring, body O-rings and operator O-ring.		0.4
	<b><u>KS201AH15G9-NSF</u></b>	GC Valves rebuild kit, for use with NS201 series DC valves ending G9, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, plunger connecting spring, body O-rings and operator O-ring.		0.4
	<b><u>KS201AH15J2-NSF</u></b>	GC Valves rebuild kit, for use with NS201 series DC valves ending J2, includes diaphragm assembly, plunger assembly, plunger tube, plunger spring, plunger connecting spring, body O-rings and operator O-ring.		0.4





# 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>HS4YH02</u></a>	120 VAC	10 W	Class H: 180 °C (356 °F)	18mm (DIN 43650A) style wiring plug	N/A	S201, NS201, S301 and NS301 valves		0.6
	<a href="#"><u>HS4YH04</u></a>	240 VAC	10 W	Class H: 180 °C (356 °F)	18mm (DIN 43650A) style wiring plug	N/A	S201, NS201, S301 and NS301 valves		0.6
	<a href="#"><u>HS4YH24</u></a>	24 VAC	10 W	Class H: 180 °C (356 °F)	18mm (DIN 43650A) style wiring plug	N/A	S201, NS201, S301 and NS301 valves		0.6
	<a href="#"><u>HS4YH16</u></a>	24 VDC	10 W	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
	<a href="#"><u>HS4GH02A24</u></a>	120 VAC	10 W	Class H: 180 °C (356 °F)	1/2in conduit 24in 18AWG pigtail	24in	S201, NS201, S301 and NS301 valves		0.6
	<a href="#"><u>HS4GH04A24</u></a>	240 VAC	10 W	Class H: 180 °C (356 °F)	1/2in conduit 24in 18AWG pigtail	24in	S201, NS201, S301 and NS301 valves		0.6
	<a href="#"><u>HS4GH24A24</u></a>	24 VAC	10 W	Class H: 180 °C (356 °F)	1/2in conduit 24in 18AWG pigtail	24in	S201, NS201, S301 and NS301 valves		0.6
	<a href="#"><u>HS4GH16A24</u></a>	24 VDC	10 W	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
	<a href="#"><u>HS3YH02</u></a>	120 VAC	8 W	Class H: 180 °C (356 °F)	18mm (DIN 43650A) style wiring plug	N/A	S211, NS211 and NS71 valves		0.5
	<a href="#"><u>HS3YH04</u></a>	240 VAC	8 W	Class H: 180 °C (356 °F)	18mm (DIN 43650A) style wiring plug	N/A	S211, NS211 and NS71 valves		0.5
	<a href="#"><u>HS3YH24</u></a>	24 VAC	8 W	Class H: 180 °C (356 °F)	18mm (DIN 43650A) style wiring plug	N/A	S211, NS211 and NS71 valves		0.5
	<a href="#"><u>HS3GH02A24</u></a>	120 VAC	8 W	Class H: 180 °C (356 °F)	1/2in conduit 24in 18AWG pigtail	24in	S211, NS211 and NS71 valves		0.5
	<a href="#"><u>HS3GH04A24</u></a>	240 VAC	8 W	Class H: 180 °C (356 °F)	1/2in conduit 24in 18AWG pigtail	24in	S211, NS211 and NS71 valves		0.5
	<a href="#"><u>HS3GH24A24</u></a>	24 VAC	8 W	Class H: 180 °C (356 °F)	1/2in conduit 24in 18AWG pigtail	24in	S211, NS211 and NS71 valves		0.5



# 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>HS3GH16A24</u></a>	24 VDC	9 W	Class H: 180 °C (356 °F)	1/2in conduit w/ 18AWG pigtail	24in	S211, NS211 and NS71 valves		0.53
	<a href="#"><u>HS3YH16</u></a>	24 VDC	9 W	Class H: 180 °C (356 °F)	18mm DIN style wiring plug	N/A	S211, NS211 and NS71 valves		0.47