



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
- 18 mm (DIN 43650A) style wiring plug
- 3/8", 1/2" or 3/4" NPT ports
- 120 VAC, 24 VAC or 24 VDC solenoids
- Made in the USA



**Made
in the
USA**



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www.AutomationDirect.com
for a variety of fitting options

201 Series Water Valve								
Model	NS201YF02C PDG4	NS201YF02C PEG5	NS201YF24C PCG4	NS201YF24C PDG4	NS201YF24C PEG5	NS201YF16C PCG4	NS201YF16C PDG4	NS201YF16C PEG5
Price								
Drawing Link	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF
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 N 200 °C (392 °F)							
Min Response	25-100 ms					38-150 ms		
Temperature	32 to 125°F (0 to 51.7°C); Max. Fluid Temp. 295 °F (146.1 °C)							
Lubrication	Not required							
Protection	NEMA 4/4X Encapsulated							
Connection	18 mm (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
- 18 mm (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
- Made in the USA



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201 Series Water Valves							
Model	NS201YF02C7DG4	NS201YF02C7EG5	NS201YF02C7EG9	NS201YF02C7GJ2	NS201YF02C7HJ2	NS201YF24C7DG4	NS201YF24C7EG5
Price							
Drawing Link	PDF	PDF	PDF	PDF	PDF	PDF	PDF
Weight (lbs)	1.9	2.0	4.0	6.5	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	1-1/4" FNPT	1-1/2" FNPT	1/2" FNPT	3/4" FNPT
Orifice Size	5/8"	3/4"	1"	1-1/4"	1-1/4"	5/8"	3/4"
Cv	4.3	6.7	11.0	18.0	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	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	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 N 200 °C (392 °F)						
Min Response	25-100 ms						
Temperature	32 to 125 °F (0 to 51.7 °C); Max. Fluid Temp. 295 °F (146.1 °C)						
Lubrication	Not required						
Protection	NEMA 4/4X Encapsulated						
Connection	18 mm (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	NS201YF16C7DG4	NS201YF16C7EG5	NS201YF16C7FG9	NS201YF16C7GJ2	NS201YF16C7HJ2
Price					
Drawing Link	PDF	PDF	PDF	PDF	PDF
Weight (lbs)	1.9	2.0	4.0	6.5	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	1-1/4" FNPT	1-1/2" FNPT
Orifice Size	5/8"	3/4"	1"	1-1/4"	1-1/4"
Cv	4.3	6.7	11.0	18.0	23.0
Media	Water				
Pressure Range	0-90 psi	0-90 psi	0-100 psi	0-100 psi	0-100 psi
Voltage (± 10%)	24 VDC	24 VDC	24 VDC	24 VDC	24 VDC
Inrush AC	-				
Power Consumption	10 W				
Max Cycles per Minute**	15				
Insulation	Class N (200 °C (392 °F))				
Min Response	38-150 ms				
Temperature	32 to 125 °F (0 to 51.7 °C); Max. Fluid Temp. 295 °F (146.1 °C)				
Lubrication	Not required				
Protection	NEMA 4/4X Encapsulated				
Connection	18 mm (DIN 43650A) terminal				
Construction	316 Stainless steel body; NSF Approved EPDM seals; Stainless Steel orifice				
Life Cycle	1 Million				
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201 Series Water Valve Accessories

201 Series Water Valve Accessories				
Kit Photo	Part No.	Description	Price	Weight (lbs)
	<u>KS201AF02G4-NSF</u>	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
	<u>KS201AF15G4-NSF</u>	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
	<u>KS201AF02G5-NSF</u>	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
	<u>KS201AF15G5-NSF</u>	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

201 Series Water Valve Accessories				
Kit Photo	Part No.	Description	Price	Weight (lbs)
	<u>KS201AF02G9-NSF</u>	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
	<u>KS201AF02J2-NSF</u>	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
	<u>KS201AF15G9-NSF</u>	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
	<u>KS201AF15J2-NSF</u>	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)
	<u>HS4YN02</u>	120 VAC	10 W	Class H: 180 °C (356 °F)	18 mm (DIN 43650A) style wiring plug	N/A	S201, NS201, S301 and NS301 valves		0.6
	<u>HS4YN04</u>	240 VAC	10 W	Class H: 180 °C (356 °F)	18 mm (DIN 43650A) style wiring plug	N/A	S201, NS201, S301 and NS301 valves		0.6
	<u>HS4YN24</u>	24 VAC	10 W	Class H: 180 °C (356 °F)	18 mm (DIN 43650A) style wiring plug	N/A	S201, NS201, S301 and NS301 valves		0.6
	<u>HS4YN16</u>	24 VDC	10 W	Class H: 180 °C (356 °F)	18 mm (DIN 43650A) style wiring plug	N/A	S201, NS201, S211 DC, NS211 DC, S301 and NS301 valves		0.6
	<u>HS4GN02A24</u>	120 VAC	10 W	Class H: 180 °C (356 °F)	1/2in conduit 24in 18 AWG pigtail	24in	S201, NS201, S301 and NS301 valves		0.6
	<u>HS4GN04A24</u>	240 VAC	10 W	Class H: 180 °C (356 °F)	1/2in conduit 24in 18 AWG pigtail	24in	S201, NS201, S301 and NS301 valves		0.6
	<u>HS4GN24A24</u>	24 VAC	10 W	Class H: 180 °C (356 °F)	1/2in conduit 24in 18 AWG pigtail	24in	S201, NS201, S301 and NS301 valves		0.6
	<u>HS4GN16A24</u>	24 VDC	10 W	Class H: 180 °C (356 °F)	1/2in conduit 24in 18 AWG pigtail	24in	S201, NS201, S211 DC, NS211 DC, S301 and NS301 valves		0.6
	<u>HS3YN02</u>	120 VAC	8 W	Class H: 180 °C (356 °F)	18 mm (DIN 43650A) style wiring plug	N/A	S211, NS211 and NS71 valves		0.5
	<u>HS3YN04</u>	240 VAC	8 W	Class H: 180 °C (356 °F)	18 mm (DIN 43650A) style wiring plug	N/A	S211, NS211 and NS71 valves		0.5
	<u>HS3YN24</u>	24 VAC	8 W	Class H: 180 °C (356 °F)	18 mm (DIN 43650A) style wiring plug	N/A	S211, NS211 and NS71 valves		0.5
	<u>HS3GN02A24</u>	120 VAC	8 W	Class H: 180 °C (356 °F)	1/2in conduit 24in 18 AWG pigtail	24in	S211, NS211 and NS71 valves		0.5
	<u>HS3GN04A24</u>	240 VAC	8 W	Class H: 180 °C (356 °F)	1/2in conduit 24in 18 AWG pigtail	24in	S211, NS211 and NS71 valves		0.5
	<u>HS3GN24A24</u>	24 VAC	8 W	Class H: 180 °C (356 °F)	1/2in conduit 24in 18 AWG 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)
	<u>HS3GN16A24</u>	24 VDC	9 W	Class H: 180 °C (356 °F)	1/2in conduit w/ 18 AWG pigtail	24in	S211, NS211 and NS71 valves		0.54
	<u>HS3YN16</u>	24VDC	9 W	Class H: 180 °C (356 °F)	18 mm DIN style wiring plug	N/A	S211, NS211 and NS71 valves		0.49