



201 Series Water Valves (Nylon 6)



NS201YF24FPCG4
Valve Shown

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. They are available with either 316 stainless steel or Nylon 6 bodies. Ported for 3/8, 1/2 or 3/4 inch NPT, valves are available with either 120VAC, 24VAC or 24VDC 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
- 120VAC, 24VAC or 24VDC solenoids
- Made in the USA



Also, see our website
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for a variety of fitting options



**Made
in the
USA**

201 Series Water Valve									
Model	NS201YF02FPCG4	NS201YF02FPDG4	NS201YF02FPEG5	NS201YF24FPCG4	NS201YF24FPDG4	NS201YF24FPEG5	NS201YF16FPCG4	NS201YF16FPDG4	NS201YF16FPEG5
Price									
Weight (lbs)	1.0	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	3/8" FNPT	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"	5/8"	3/4"	5/8"	5/8"	3/4"	5/8"	5/8"	3/4"
Cv	4.3	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	0-100 psi	0-90 psi	0-90 psi	0-90 psi
Voltage (± 10%)	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	24VAC 50/60 Hz	24VAC 50/60 Hz	24VAC 50/60 Hz	24VDC	24VDC	24VDC
Inrush AC	54VA						-		
Power Consumption	10W	10W	10W	10W	10W	10W	10W	10W	10W
Max Freq	Cannot be used in PWM (pulse width modulation) applications								
Insulation	Class N (200°C - 392°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; Santoprene/NSF Approved EPDM seals; Stainless Steel 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.



201 Series Water Valves (Stainless Steel)



NS201YF24F7CG4
Valve Shown

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. They are available with either 316 stainless steel or Nylon 6 bodies. Ported for 3/8, 1/2, 3/4, 1, 1-1/4 or 1-1/2 inch NPT, valves are available with either 120VAC, 24VAC or 24VDC 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", 3/4", 1", 1-1/4" or 1-1/2" NPT ports
- 120VAC, 24VAC or 24VDC solenoids
- Made in the USA



**Made
in the
USA**

Also, see our website
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201 Series Water Valves						
Model	NS201YF02F7CG4	NS201YF02F7DG4	NS201YF02F7EG5	NS201YF24F7CG4	NS201YF24F7DG4	NS201YF24F7EG5
Price						
Weight (lbs)	1.9	1.9	2.0	1.9	1.9	2.0
Valve Type	2-Ports (2-way), 2-position					
Acting	Piloted diaphragm, normally closed					
Port Size	3/8" FNPT	1/2" FNPT	3/4" FNPT	3/8" FNPT	1/2" FNPT	3/4" FNPT
Orifice Size	5/8"	5/8"	3/4"	5/8"	5/8"	3/4"
Cv	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	0-100 psi
Voltage (± 10%)	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	120/110 VAC 50/60 Hz	24VAC 50/60 Hz	24VAC 50/60 Hz	24VAC 50/60 Hz
Inrush AC	54VA					
Power Consumption	10W	10W	10W	10W	10W	10W
Max Freq	Cannot be used in PWM (pulse width modulation) applications					
Insulation	Class N (200°C - 392°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; Santoprene/NSF Approved EPDM seals; Stainless Steel 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.



201 Series Water Valves (Stainless Steel) Cont.

201 Series Water Valves Cont.			
Model	NS201YF16F7CG4	NS201YF16F7DG4	NS201YF16F7EG5
Price			
Weight (lbs)	1.9	1.9	2.0
Valve Type	2-Ports (2-way), 2-position		
Acting	Piloted diaphragm, normally closed		
Port Size	3/8" FNPT	1/2" FNPT	3/4" FNPT
Orifice Size	5/8"	5/8"	3/4"
Cv	4.3	4.3	6.7
Media	Water		
Pressure Range	0-90 psi	0-90 psi	0-90 psi
Voltage (± 10%)	24VDC	24VDC	24VDC
Inrush AC	-		
Power Consumption	10W	10W	10W
Max Freq	Cannot be used in PWM (pulse width modulation) applications		
Insulation	Class N (200°C - 392°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; Santoprene/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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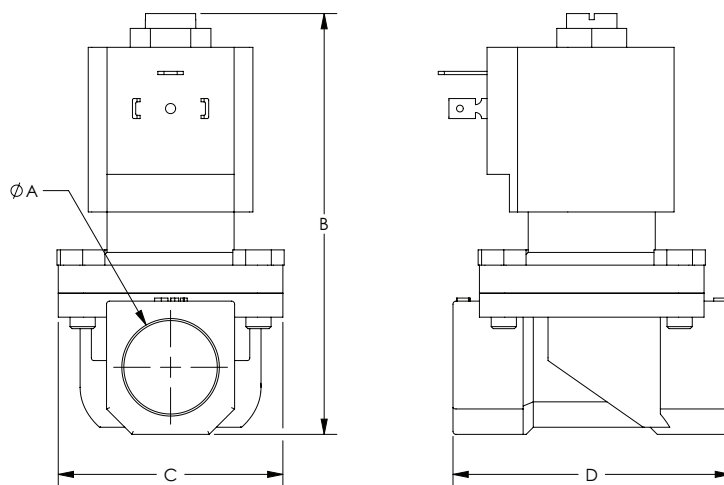


201 Series Water Valves

Dimensions

inches [mm]

201 Series Water Valve Dimensions				
Part No.	A	B	C	D
<u>NS201YF02FPCG4</u>	3/8 NPT	3.90 [99.1]	2.35 [59.7]	2.71 [68.8]
<u>NS201YF02FPDG4</u>	1/2 NPT	3.90 [99.1]	2.35 [59.7]	2.71 [68.8]
<u>NS201YF02FPEG5</u>	3/4 NPT	4.20 [106.7]	2.35 [59.7]	2.73 [69.3]
<u>NS201YF02C7FG9</u>	1 NPT	5.07 [128.9]	3.23 [82.0]	3.62 [92.0]
<u>NS201YF02C7GJ2</u>	1-1/4 NPT	5.70 [144.8]	3.62 [92.0]	4.33 [110.0]
<u>NS201YF02C7HJ2</u>	1-1/2 NPT	5.70 [144.8]	3.62 [92.0]	4.33 [110.0]
<u>NS201YF24FPCG4</u>	3/8 NPT	3.90 [99.1]	2.35 [59.7]	2.71 [68.8]
<u>NS201YF24FPDG4</u>	1/2 NPT	3.90 [99.1]	2.35 [59.7]	2.71 [68.8]
<u>NS201YF24FPEG5</u>	3/4 NPT	4.20 [106.7]	2.35 [59.7]	2.73 [69.3]
<u>NS201YF16FPCG4</u>	3/8 NPT	4.04 [102.6]	2.35 [59.7]	2.71 [68.8]
<u>NS201YF16FPDG4</u>	1/2 NPT	4.04 [102.6]	2.35 [59.7]	2.71 [68.8]
<u>NS201YF16FPEG5</u>	3/4 NPT	4.32 [109.7]	2.35 [59.7]	2.73 [69.3]
<u>NS201YF02F7CG4</u>	3/8 NPT	3.93 [99.8]	2.21 [56.1]	2.76 [70.1]
<u>NS201YF02F7DG4</u>	1/2 NPT	3.93 [99.8]	2.21 [56.1]	2.76 [70.1]
<u>NS201YF02F7EG5</u>	3/4 NPT	4.14 [105.2]	2.21 [56.1]	2.73 [69.3]
<u>NS201YF16C7FG9</u>	1 NPT	5.07 [128.9]	3.23 [82.0]	3.62 [92.0]
<u>NS201YF16C7GJ2</u>	1-1/4 NPT	5.70 [144.8]	3.62 [92.0]	4.33 [110.0]
<u>NS201YF16C7HJ2</u>	1-1/2 NPT	5.70 [144.8]	3.62 [92.0]	4.33 [110.0]
<u>NS201YF24F7CG4</u>	3/8 NPT	3.93 [99.8]	2.21 [56.1]	2.76 [70.1]
<u>NS201YF24F7DG4</u>	1/2 NPT	3.93 [99.8]	2.21 [56.1]	2.76 [70.1]
<u>NS201YF24F7EG5</u>	3/4 NPT	4.14 [105.2]	2.21 [56.1]	2.73 [69.3]
<u>NS201YF16F7CG4</u>	3/8 NPT	4.04 [102.6]	2.21 [56.1]	2.76 [70.1]
<u>NS201YF16F7DG4</u>	1/2 NPT	4.04 [102.6]	2.21 [56.1]	2.76 [70.1]
<u>NS201YF16F7EG5</u>	3/4 NPT	4.25 [108.0]	2.21 [56.1]	2.73 [69.3]



See our website www.AutomationDirect.com for complete Engineering drawings.



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>K201G4-NSF</u>	GC Valves repair kit, for use with NS201 series AC valves ending CG4 and DG4, includes diaphragm assembly, seat disc, body o-ring and operator o-ring.		0.2
	<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
	<u>K201G5-NSF</u>	GC Valves repair kit, for use with NS201 series AC valves ending EG5, includes diaphragm assembly, seat disc, body o-ring and operator o-ring.		0.2
	<u>K201G415-NSF</u>	GC Valves repair kit, for use with NS201 series DC valves ending CG4 and DG4, includes diaphragm assembly, seat disc, body o-ring and operator o-ring.		0.2
	<u>K201G515-NSF</u>	GC Valves repair kit, for use with NS201 series AC valves ending EG5, includes diaphragm assembly, seat disc, body o-ring and operator o-ring.		0.2

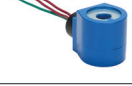
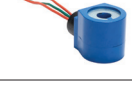


201 Series Water Valve Accessories

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



Water Valve Accessories - 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 N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS201 and NS301 valves		0.6
	<u>HS4YN04</u>	240VAC	10W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS201 and NS301 valves		0.6
	<u>HS4YN24</u>	24VAC	10W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS201 and NS301 valves		0.6
	<u>HS4YN16</u>	24VDC	10W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS201, NS211 DC and NS301 valves		0.6
	<u>HS4GN02A24</u>	120VAC	10W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS201 and NS301 valves		0.6
	<u>HS4GN04A24</u>	240VAC	10W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS201 and NS301 valves		0.6
	<u>HS4GN24A24</u>	24VAC	10W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS201 and NS301 valves		0.6
	<u>HS4GN16A24</u>	24VDC	10W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS201, NS211 DC and NS301 valves		0.6
	<u>HS3YN02</u>	120VAC	8W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS211 AC valves		0.5
	<u>HS3YN04</u>	240VAC	8W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS211 AC valves		0.5
	<u>HS3YN24</u>	24VAC	8W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS211 AC valves		0.5
	<u>HS3GN02A24</u>	120VAC	88W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS211 AC valves		0.5
	<u>HS3GN04A24</u>	240VAC	8W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS211 AC valves		0.5
	<u>HS3GN24A24</u>	24VAC	8W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS211 AC valves		0.5