



# 301 Series Water Valves (Stainless Steel)



**NS301YF24C3BC9  
Valve Shown**

GC Valves 301 Series water valves are an excellent choice for potable water applications up to 400psi. Valves have 303 stainless steel bodies with 1/4 inch NPT ports. They are available with three orifice sizes and solenoid voltages of 120VAC, 24VAC or 24VDC solenoids.

## Features

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



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



**Made  
in the  
USA**

301 Series Water Valves									
Model	NS301YF02C3BE7	NS301YF02C3BD5	NS301YF02C3BC9	NS301YF24C3BE7	NS301YF24C3BD5	NS301YF24C3BC9	NS301YF16C3BE7	NS301YF16C3BD5	NS301YF16C3BC9
<b>Price</b>	\$77.00	\$73.00	\$73.00	\$77.00	\$73.00	\$73.00	\$77.00	\$73.00	\$73.00
<b>Weight (lbs)</b>	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
<b>Valve Type</b>	2-Ports (2-way), 2-position								
<b>Acting</b>	Direct acting, normally closed								
<b>Port Size</b>	1/4" FNPT	1/4" FNPT	1/4" FNPT	1/4" FNPT	1/4" FNPT	1/4" FNPT	1/4" FNPT	1/4" FNPT	1/4" FNPT
<b>Orifice Size</b>	1/4"	1/8"	3/32"	1/4"	1/8"	3/32"	1/4"	1/8"	3/32"
<b>Cv</b>	0.85	0.36	0.21	0.85	0.36	0.21	0.85	0.36	0.21
<b>Media</b>	Water								
<b>Pressure Range</b>	0-50 psi	0-200 psi	0-400 psi	0-50 psi	0-200 psi	0-400 psi	0-20 psi	0-140 psi	0-200 psi
<b>Voltage (± 10%)</b>	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
<b>Inrush AC</b>	54VA						-		
<b>Power Consumption</b>	10W	10W	10W	10W	10W	10W	10W	10W	10W
<b>Max Freq</b>	Cannot be used in PWM (pulse width modulation) applications								
<b>Insulation</b>	Class N (200°C - 392°F)								
<b>Min Response</b>	5-15 ms						8-23 ms		
<b>Temperature</b>	32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp. 295°F (146.1°C)								
<b>Lubrication</b>	Not required								
<b>Protection</b>	NEMA 4/4X Encapsulated								
<b>Connection</b>	18mm (DIN 43650A) terminal								
<b>Construction</b>	303 Stainless steel body; NSF Approved EPDM seals; Stainless Steel orifice								
<b>Life Cycle</b>	5 Million								
<b>Agency Approvals</b>	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.

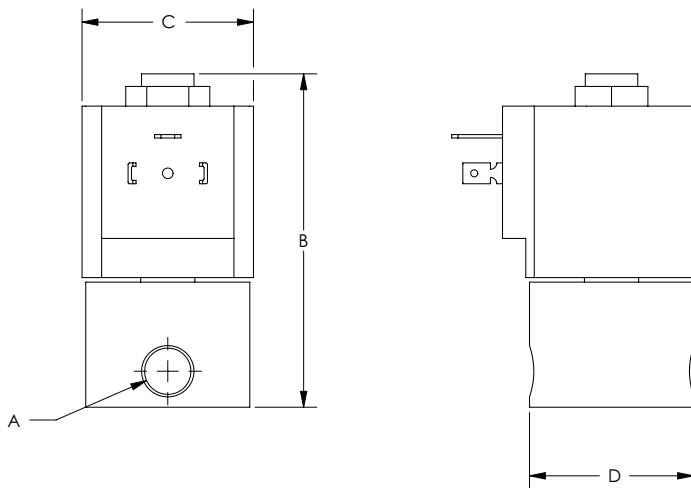


# 301 Series Water Valves (Stainless Steel)

## Dimensions

inches [mm]





301 Series Water Valve Dimensions				
Part No.	A	B	C	D
NS301YF02C3BE7	1/4 NPT	3.15 [80.0]	1.62 [41.1]	1.55 [39.4]
NS301YF02C3BD5	1/4 NPT	3.15 [80.0]	1.62 [41.1]	1.55 [39.4]
NS301YF02C3BC9	1/4 NPT	3.15 [80.0]	1.62 [41.1]	1.55 [39.4]
NS301YF24C3BE7	1/4 NPT	3.15 [80.0]	1.62 [41.1]	1.55 [39.4]
NS301YF24C3BD5	1/4 NPT	3.15 [80.0]	1.62 [41.1]	1.55 [39.4]
NS301YF24C3BC9	1/4 NPT	3.15 [80.0]	1.62 [41.1]	1.55 [39.4]
NS301YF16C3BE7	1/4 NPT	3.22 [81.8]	1.62 [41.1]	1.55 [39.4]
NS301YF16C3BD5	1/4 NPT	3.22 [81.8]	1.62 [41.1]	1.55 [39.4]
NS301YF16C3BC9	1/4 NPT	3.22 [81.8]	1.62 [41.1]	1.55 [39.4]



See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.








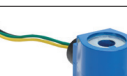




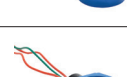



# 301 Series Water Valve Accessories

301 Series Water Valve Accessories				
Kit Photo	Part No.	Description	Price	Weight (lbs)
	<b>KS301AF02E7-NSF</b>	GC Valves rebuild kit, for use with NS301 series valves ending BE7, includes plunger-seat disc-spring assembly, plunger tube, operator o-ring and body o-ring.	\$30.00	0.3
	<b>K301E7-NSF</b>	GC Valves repair kit, for use with NS301 series valves ending BE7, includes seat disc, body o-ring and operator o-ring.	\$9.00	0.2
	<b>KS301AF02C3-NSF</b>	GC Valves rebuild kit, for use with NS301 series valves ending BC9 and BD5, includes plunger-seat disc-spring assembly, plunger tube, operator o-ring and body o-ring.	\$29.00	0.3
	<b>K301C3-NSF</b>	GC Valves repair kit, for use with NS301 series valves ending BC9 and BD5, includes seat disc, body o-ring and operator o-ring.	\$4.75	0.2



# 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)
	<b>HS4YN02</b>	120VAC	10W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS201 and NS301 valves	\$33.00	0.6
	<b>HS4YN04</b>	240VAC	10W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS201 and NS301 valves	\$33.00	0.6
	<b>HS4YN24</b>	24VAC	10W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS201 and NS301 valves	\$33.00	0.6
	<b>HS4YN16</b>	24VDC	10W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS201, NS211 DC and NS301 valves	\$33.00	0.6
	<b>HS4GN02A24</b>	120VAC	10W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS201 and NS301 valves	\$33.00	0.6
	<b>HS4GN04A24</b>	240VAC	10W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS201 and NS301 valves	\$33.00	0.6
	<b>HS4GN24A24</b>	24VAC	10W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS201 and NS301 valves	\$33.00	0.6
	<b>HS4GN16A24</b>	24VDC	10W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS201, NS211 DC and NS301 valves	\$33.00	0.6
	<b>HS3YN02</b>	120VAC	8W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS211 AC valves	\$27.00	0.5
	<b>HS3YN04</b>	240VAC	8W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS211 AC valves	\$27.00	0.5
	<b>HS3YN24</b>	24VAC	8W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS211 AC valves	\$27.00	0.5
	<b>HS3GN02A24</b>	120VAC	8W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS211 AC valves	\$27.00	0.5
	<b>HS3GN04A24</b>	240VAC	8W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS211 AC valves	\$27.00	0.5
	<b>HS3GN24A24</b>	24VAC	8W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS211 AC valves	\$27.00	0.5