



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
for a variety of fitting options



**Made
in the
USA**

301 Series Water Valves									
Model	NS301YF02C3BE7	NS301YF02C3BD5	NS301YF02C3BC9	NS301YF24C3BE7	NS301YF24C3BD5	NS301YF24C3BC9	NS301YF16C3BE7	NS301YF16C3BD5	NS301YF16C3BC9
Price	\$77.00	\$73.00	\$73.00	\$77.00	\$73.00	\$73.00	\$77.00	\$73.00	\$73.00
Weight (lbs)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Valve Type	2-Ports (2-way), 2-position								
Acting	Direct acting, normally closed								
Port Size	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
Orifice Size	1/4"	1/8"	3/32"	1/4"	1/8"	3/32"	1/4"	1/8"	3/32"
Cv	0.85	0.36	0.21	0.85	0.36	0.21	0.85	0.36	0.21
Media	Water								
Pressure Range	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
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	5-15 ms						8-23 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	303 Stainless steel body; NSF Approved EPDM seals; Stainless Steel orifice								
Life Cycle	5 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.

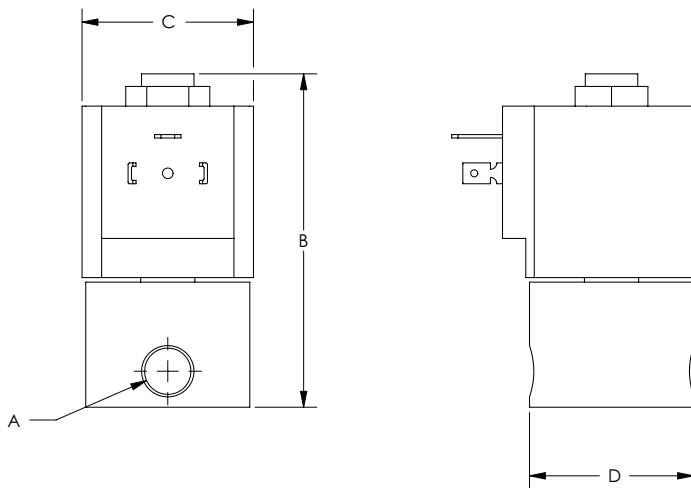


301 Series Water Valves (Stainless Steel)

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 for complete Engineering drawings.








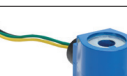




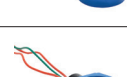



301 Series Water Valve Accessories

301 Series Water Valve Accessories				
Kit Photo	Part No.	Description	Price	Weight (lbs)
	KS301AF02E7-NSF	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
	K301E7-NSF	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
	KS301AF02C3-NSF	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
	K301C3-NSF	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)
	HS4YN02	120VAC	10W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS201 and NS301 valves	\$33.00	0.6
	HS4YN04	240VAC	10W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS201 and NS301 valves	\$33.00	0.6
	HS4YN24	24VAC	10W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS201 and NS301 valves	\$33.00	0.6
	HS4YN16	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
	HS4GN02A24	120VAC	10W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS201 and NS301 valves	\$33.00	0.6
	HS4GN04A24	240VAC	10W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS201 and NS301 valves	\$33.00	0.6
	HS4GN24A24	24VAC	10W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS201 and NS301 valves	\$33.00	0.6
	HS4GN16A24	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
	HS3YN02	120VAC	8W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS211 AC valves	\$27.00	0.5
	HS3YN04	240VAC	8W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS211 AC valves	\$27.00	0.5
	HS3YN24	24VAC	8W	Class N (200°C - 392°F)	18mm (DIN 43650A) style wiring plug	N/A	NS211 AC valves	\$27.00	0.5
	HS3GN02A24	120VAC	8W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS211 AC valves	\$27.00	0.5
	HS3GN04A24	240VAC	8W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS211 AC valves	\$27.00	0.5
	HS3GN24A24	24VAC	8W	Class N (200°C - 392°F)	1/2 in conduit	24.0 in	NS211 AC valves	\$27.00	0.5