



71 Series Water Valves (Brass)

Part No. [NS711YH02C9DG1](#)

GC Valves 71 Series water valves are an excellent choice for potable water applications. These valves are certified to NSF/ANSI 61 and have lead-free brass bodies and NSF approved EPDM diaphragms. Ported for 3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, or 2 inch NPT. Valves are available with either 120VAC or 24VDC solenoids.

Features

- 2-Ports (2-way), 2-position
- Normally closed (N.C.) or normally open (N.O.) configuration
- Piloted diaphragm operator
- 18mm (DIN 43650A) style wiring plug
- 3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, or 2 inch NPT ports
- 120VAC or 24VDC solenoids
- Made in the USA



Also, see our website
www.AutomationDirect.com
for a variety of fitting options



Certified to
NSF/ANSI 61



Made
in the
USA

711 Normally Closed Water Valves							
Model	NS711YH02C9CG1	NS711YH02C9DG1	NS711YH02C9EG5	NS711YH02C9FG9	NS711YH02C9GGJ2	NS711YH02C9HJ5	NS711YH02C9JJ7
Price	\$128.00	\$128.00	\$137.00	\$279.00	\$410.00	\$425.00	\$648.00
Drawing Link	PDF	PDF	PDF	PDF	PDF	PDF	PDF
Weight (lbs)	1.77	1.73	2.17	3.24	6.88	6.33	9.78
Valve Type	2-Ports (2-way), 2-position						
Acting	Piloted diaphragm, normally closed						
Inlet/Outlet Port Size	3/8" FNPT	1/2" FNPT	3/4" FNPT	1" FNPT	1-1/4" FNPT	1-1/2" FNPT	2" FNPT
Orifice Size	1/2"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cv	4.3	4.3	6.7	13	22	30	48
Media	Water						
Max Operating Pressure	150 psi				200 psi		
Min Operating Pressure	8 psi						
Voltage (± 10%)	110/120 VAC, 50/60 Hz						
Power Consumption	8 Watts						
Holding Amps (VA)	0.110 (14)						
Inrush Amps (VA)	0.330 (40)						
Max Cycles per Minute**	15						
Insulation	Class H 356°F (180°C)						
Min Response	25 to 100 ms						
Temperature	32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp. 176°F (80°C)						
Lubrication	Not required						
Protection	NEMA 4/4X Encapsulated						
Connection	18mm (DIN 43650A) terminal						
Construction	Lead-free brass body, EPDM rubber seal(s)						
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



71 Series Water Valves (Brass)

711 Normally Closed Water Valves							
Model	NS711YH16C9CG1	NS711YH16C9DG1	NS711YH16C9EG5	NS711YH16C9FG9	NS711YH16C9GJ2	NS711YH16C9HJ5	NS711YH16C9JJ7
Price	\$128.00	\$128.00	\$137.00	\$279.00	\$410.00	\$425.00	\$648.00
Drawing Link	PDF	PDF	PDF	PDF	PDF	PDF	PDF
Weight (lbs)	1.77	1.72	2.15	3.24	6.86	6.29	9.71
Valve Type	2-Ports (2-way), 2-position						
Acting	Pilot diaphragm, normally closed						
Inlet/Outlet Port Size	3/8" FNPT	1/2" FNPT	3/4" FNPT	1" FNPT	1-1/4" FNPT	1-1/2" FNPT	2" FNPT
Orifice Size	1/2"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cv	4.3	4.3	6.7	13	22	30	48
Media	Water						
Max Operating Pressure	150 psi						
Min Operating Pressure	8 psi						
Voltage ($\pm 10\%$)	24VDC						
Power Consumption	9 Watts						
Holding Amps (VA)	0.375						
Inrush Amps (VA)	0.375						
Max Cycles per Minute**	15						
Insulation	Class H 356°F (180°C)						
Min Response	38 to 150 ms						
Temperature	32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp. 176°F (80°C)						
Lubrication	Not required						
Protection	NEMA 4/4X Encapsulated						
Connection	18mm (DIN 43650A) terminal						
Construction	Lead-free brass body, EPDM rubber seal(s)						
Life Cycle	1 Million						
Agency Approvals*	NSF/ANSI - 61-G/NSF-372, CE, CSA, UL Recognized						

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71 Series Water Valves (Brass)

712 Normally Open Water Valves							
Model	NS712YH02C9CG1	NS712YH02C9DG1	NS712YH02C9EG5	NS712YH02C9FG9	NS712YH02C9GJ2	NS712YH02C9HJ5	NS712YH02C9JJ7
Price	\$178.00	\$178.00	\$187.00	\$330.00	\$460.00	\$476.00	\$698.00
Drawing Link	PDF	PDF	PDF	PDF	PDF	PDF	PDF
Weight (lbs)	1.77	1.73	2.15	3.25	6.83	6.35	9.76
Valve Type	2-Ports (2-way), 2-position						
Acting	Pilotd diaphragm, normally open						
Inlet/Output Port Size	3/8" FNPT	1/2" FNPT	3/4" FNPT	1" FNPT	1-1/4" FNPT	1-1/2" FNPT	2" FNPT
Orifice Size	1/2"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cv	4.3	4.3	6.7	13	22	30	48
Media	Water						
Max Operating Pressure	200 psi						
Min Operating Pressure	7 psi						
Voltage ($\pm 10\%$)	110/120 VAC, 50/60 Hz						
Power Consumption	8 Watts						
Holding Amps (VA)	0.110 (14)						
Inrush Amps (VA)	0.330 (40)						
Max Cycles per Minute**	15						
Insulation	Class H 356°F (180°C)						
Min Response	25 to 100 ms						
Temperature	32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp. 176°F (80°C)						
Lubrication	Not required						
Protection	NEMA 4/4X Encapsulated						
Connection	18mm (DIN 43650A) terminal						
Construction	Lead-free brass body, EPDM rubber seal(s)						
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



71 Series Water Valves (Brass)

712 Normally Open Water Valves							
Model	NS712YH16C9CG1	NS712YH16C9DG1	NS712YH16C9EG5	NS712YH16C9FG9	NS712YH16C9GJ2	NS712YH16C9HJ5	NS712YH16C9JJ7
Price	\$178.00	\$178.00	\$187.00	\$330.00	\$460.00	\$476.00	\$698.00
Drawing Link	PDF	PDF	PDF	PDF	PDF	PDF	PDF
Weight (lbs)	1.76	1.73	2.15	3.25	6.84	6.32	9.74
Valve Type	2-Ports (2-way), 2-position						
Acting	Piloted diaphragm, normally open						
Inlet/Outlet Port Size	3/8" FNPT	1/2" FNPT	3/4" FNPT	1" FNPT	1-1/4" FNPT	1-1/2" FNPT	2" FNPT
Orifice Size	1/2"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Cv	4.3	4.3	6.7	13	22	30	48
Media	Water						
Max Operating Pressure	150 psi						
Min Operating Pressure	7 psi						
Voltage ($\pm 10\%$)	24VDC						
Power Consumption	9 Watts						
Holding Amps (VA)	0.375						
Inrush Amps (VA)	0.375						
Max Cycles per Minute**	15						
Insulation	Class H 356°F (180°C)						
Min Response	38 to 150 ms						
Temperature	32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp. 176°F (80°C)						
Lubrication	Not required						
Protection	NEMA 4/4X Encapsulated						
Connection	18mm (DIN 43650A) terminal						
Construction	Lead-free brass body, EPDM rubber seal(s)						
Life Cycle	1 Million						
Agency Approvals*	NSF/ANSI - 61-G/NSF-372, CE, CSA, UL Recognized						

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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>	120VAC	10W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S201, NS201, S301 and NS301 valves	\$51.00	0.6
	<u>HS4YN04</u>	240VAC	10W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S201, NS201, S301 and NS301 valves	\$51.00	0.6
	<u>HS4YN24</u>	24VAC	10W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S201, NS201, S301 and NS301 valves	\$51.00	0.6
	<u>HS4YN16</u>	24VDC	10W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S201, NS201, S211 DC, NS211 DC, S301 and NS301 valves	\$51.00	0.6
	<u>HS4GN02A24</u>	120VAC	10W	Class H: 180°C (356°F)	1/2in conduit 24in 18AWG pigtail	24in	S201, NS201, S301 and NS301 valves	\$51.00	0.6
	<u>HS4GN04A24</u>	240VAC	10W	Class H: 180°C (356°F)	1/2in conduit 24in 18AWG pigtail	24in	S201, NS201, S301 and NS301 valves	\$51.00	0.6
	<u>HS4GN24A24</u>	24VAC	10W	Class H: 180°C (356°F)	1/2in conduit 24in 18AWG pigtail	24in	S201, NS201, S301 and NS301 valves	\$51.00	0.6
	<u>HS4GN16A24</u>	24VDC	10W	Class H: 180°C (356°F)	1/2in conduit 24in 18AWG pigtail	24in	S201, NS201, S211 DC, NS211 DC, S301 and NS301 valves	\$51.00	0.6
	<u>HS3YN02</u>	120VAC	8W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S211, NS211 and NS71 valves	\$42.50	0.5
	<u>HS3YN04</u>	240VAC	8W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S211, NS211 and NS71 valves	\$42.50	0.5
	<u>HS3YN24</u>	24VAC	8W	Class H: 180°C (356°F)	18mm (DIN 43650A) style wiring plug	N/A	S211, NS211 and NS71 valves	\$42.50	0.5
	<u>HS3GN02A24</u>	120VAC	8W	Class H: 180°C (356°F)	1/2in conduit 24in 18AWG pigtail	24in	S211, NS211 and NS71 valves	\$42.50	0.5
	<u>HS3GN04A24</u>	240VAC	8W	Class H: 180°C (356°F)	1/2in conduit 24in 18AWG pigtail	24in	S211, NS211 and NS71 valves	\$42.50	0.5
	<u>HS3GN24A24</u>	24VAC	8W	Class H: 180°C (356°F)	1/2in conduit 24in 18AWG pigtail	24in	S211, NS211 and NS71 valves	\$42.50	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>	24VDC	9W	Class H: 180°C (356°F)	1/2in conduit w/ 18AWG pigtail	24in	S211, NS211 and NS71 valves	\$38.50	0.54
	<u>HS3YN16</u>	24VDC	9W	Class H: 180°C (356°F)	18mm DIN style wiring plug	N/A	S211, NS211 and NS71 valves	\$38.50	0.49