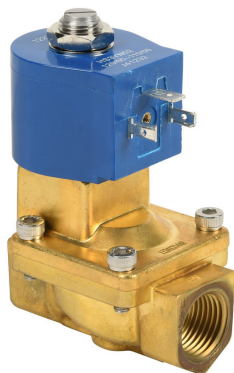




71 Series Water Valves (Brass)

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	NS711YH02C9GJ2	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	Pilotd 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						

* 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)

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	Piloted 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						

* 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)

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						

* 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



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