



CFA Valves



Part No.
SC911YN02VEAA5



Part No.
SC311YN02VIAA6

CFA branded valves from GC Valves are an excellent choice for many general purpose applications for lower flows and smaller body sizes. These valves work with air, inert gas, water or coolant and are available in nylon, brass or stainless steel bodies with Viton seals.

Features

- 2-ports (2-way), 2-position
- Normally closed (N.C.) and normally open (N.O.) configurations
- Direct acting operator
- Zero differential action
- 11 mm DIN style wiring plug
- 1/8" or 1/4" NPT ports
- 120 VAC, 24 VAC or 24 VDC solenoids
- Viton seals
- Made in USA



Made
in the
USA

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



| CFA Valves | | | | | | |
|-------------------------|--|--|--|--|----------------------|--|
| Model | SC911YN02VEAA5 | SC311YN02VIAA6 | SC912YN02VEAA5 | SC911YN02VFAA5 | SC912YN02VFAA5 | SC911YN16VEAA5 |
| Price | \$42.00 | \$61.00 | \$74.00 | \$49.00 | \$72.00 | \$42.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 0.40 | 0.37 | 0.42 | | | |
| Valve Type | 2-port (2-way), N.C. | | 2-port (2-way), N.O. | 2-port (2-way), N.C. | 2-port (2-way), N.O. | 2-port (2-way), N.C. |
| Acting | Direct acting, N.C. | | Direct acting, N.O. | Direct acting, N.C. | Direct acting, N.O. | Direct acting, N.C. |
| Inlet Port Size | 1/8" FNPT | | | | | |
| Outlet Port Size | 1/8" FNPT | | | | | |
| Orifice Size | 2.4 mm | 3.0 mm | 2.4 mm | | | |
| Cv | 0.14 | 0.28 | 0.086 | 0.14 | 0.086 | 0.14 |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-203 psi | 0-116 psi | 0-55 psi | 0-203 psi | 0-55 psi | 0-87 psi |
| Voltage (± 10%) | 120 VAC | | | | | 24 VDC |
| Inrush AC | 19.5VA | | | | | N/A |
| Power Consumption | 6.5VA | | | | | 4W |
| Max Cycles per Minute** | 250-300 | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | |
| Min Response | 5-15 ms | | | | | 8-23 ms |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | | | |
| Lubrication | Not required | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Construction | Brass body; Viton seals; Stainless steel orifice | Nylon body; Viton seals; Nylon orifice | Brass body; Viton seals; Stainless steel orifice | Stainless steel body; Viton seals; Stainless steel orifice | | Brass body; Viton seals; Stainless steel orifice |
| Life Cycle | 1 Million | | | | | |
| Agency Approvals* | CE, 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



CFA Valves



| CFA Valves Cont. | | | | | | |
|-------------------------|---|--|--|----------------------|--|--|
| Model | SC311YN16/IAA6 | SC912YN16/VEAA5 | SC911YN16/VFAA5 | SC912YN16/VFAA5 | SC911YN24/VEAA5 | SC311YN24/IAA6 |
| Price | \$61.00 | \$74.00 | \$49.00 | \$72.00 | \$42.00 | \$61.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 0.38 | 0.42 | | 0.42 | 0.41 | |
| Valve Type | 2-port (2-way), N.C. | 2-port (2-way), N.O. | 2-port (2-way), N.C. | 2-port (2-way), N.O. | 2-port (2-way), N.C. | |
| Acting | Direct acting, N.C. | Direct acting | Direct acting, N.C. | Direct acting, N.O. | Direct acting, N.C. | |
| Inlet Port Size | 1/8" FNPT | | | | | |
| Outlet Port Size | 1/8" FNPT | | | | | |
| Orifice Size | 3.0 mm | 2.4 mm | | | | 3.0 mm |
| Cv | 0.28 | 0.086 | 0.14 | 0.086 | 0.14 | 0.28 |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-36 psi | 0-55 psi | 0-87 psi | 0-55 psi | 0-203 psi | 0-116 psi |
| Voltage (± 10%) | 24 VDC | | | | 24 VAC | |
| Inrush AC | N/A | | | | 19.5VA | |
| Power Consumption | 4W | | | | 6.5VA | |
| Max Cycles per Minute** | 250-300 | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | |
| Min Response | 8-23 ms | | | | 5-15 ms | |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 122°F (50°C) | | | | | |
| Lubrication | Not required | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Construction | Nylon body; Viton seals; Nylon orifice | Brass body; Viton seals; Stainless steel orifice | Stainless steel body; Viton seals; Stainless steel orifice | | Brass body; Viton seals; Stainless steel orifice | Nylon body; Viton seals; Nylon orifice |
| Life Cycle | 1 Million | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

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CFA Valves



| CFA Valves Cont. | | | | | | |
|-------------------------|--|--|----------------------|--|--|--|
| Model | SC912YN24VFAA5 | SC911YN24VFAA5 | SC912YN24VFAA5 | SC911YN02VBA5 | SC311YN02VBA5 | SC912YN02VBA4 |
| Price | \$74.00 | \$49.00 | \$72.00 | \$46.00 | \$64.00 | \$74.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 0.43 | | | 0.44 | 0.37 | 0.46 |
| Valve Type | 2-port (2-way), N.O. | 2-port (2-way), N.C. | 2-port (2-way), N.O. | 2-port (2-way), N.C. | | 2-port (2-way), N.O. |
| Acting | Direct acting, N.O. | Direct acting, N.C. | Direct acting, N.O. | Direct acting, N.C. | | Direct acting, N.O. |
| Inlet Port Size | 1/8" FNPT | | | 1/4" FNPT | | |
| Outlet Port Size | 1/8" FNPT | | | 1/4" FNPT | | |
| Orifice Size | 2.4 mm | | | | 2.0 mm | |
| Cv | 0.086 | 0.14 | 0.086 | 0.14 | 0.28 | 0.065 |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-55 psi | 0-203 psi | 0-55 psi | 0-203 psi | 0-116 psi | 0-95 psi |
| Voltage (± 10%) | 24 VAC | | | 120 VAC | | |
| Inrush AC | 19.5VA | | | | | |
| Power Consumption | 6.5VA | | | | | |
| Max Cycles per Minute** | 250-300 | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | |
| Min Response | 5-15 ms | | | | | |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | | | |
| Lubrication | Not required | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Construction | Brass body; Viton seals; Stainless steel orifice | Stainless steel body; Viton seals; Stainless steel orifice | | Brass body; Viton seals; Stainless steel orifice | Nylon body; Viton seals; Stainless orifice | Brass body; Viton seals; Stainless steel orifice |
| Life Cycle | 1 Million | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

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CFA Valves



CFA Valves Cont.

| Model | SC911YN02V/FBA5 | SC912YN02V/FBA4 | SC911YN16V/EBA5 | SC911YN16V/IBA5 | SC912YN16V/EBA4 | SC911YN16V/FBA5 |
|--------------------------------|--|----------------------|--|--|--|--|
| Price | \$55.00 | \$74.00 | \$46.00 | \$64.00 | \$74.00 | \$55.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 0.44 | | 0.45 | 0.38 | 0.47 | |
| Valve Type | 2-port (2-way), N.C. | 2-port (2-way), N.O. | 2-port (2-way), N.C. | | 2-port (2-way), N.O. | 2-port (2-way), N.C. |
| Acting | Direct acting, N.C. | Direct acting, N.O. | Direct acting, N.C. | | Direct acting, N.O. | Direct acting, N.C. |
| Inlet Port Size | 1/4" FNPT | | | | | |
| Outlet Port Size | 1/4" FNPT | | | | | |
| Orifice Size | 2.4 mm | 2.0 mm | 2.4 mm | | 2.0 mm | 2.4 mm |
| Cv | 0.14 | 0.065 | 0.14 | 0.14 | 0.065 | 0.14 |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-203 psi | 0-95 psi | 0-87 psi | 0-87 psi | 0-95 psi | 0-87 psi |
| Voltage (± 10%) | 120 VAC | | 24 VDC | | | |
| Inrush AC | 19.5VA | | N/A | | | |
| Power Consumption | 6.5VA | | 4W | | | |
| Max Cycles per Minute** | 250-300 | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | |
| Min Response | 5-15 ms | | 8-23 ms | | | |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | | | |
| Lubrication | Not required | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Construction | Stainless steel body; Viton seals; Stainless steel orifice | | Brass body; Viton seals; Stainless steel orifice | Nylon body; Viton seals; Stainless orifice | Brass body; Viton seals; Stainless steel orifice | Stainless steel body; Viton seals; Stainless steel orifice |
| Life Cycle | 1 Million | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

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CFA Valves



| CFA Valves Cont. | | | | | | |
|-------------------------|--|--|--|--|--|----------------------|
| Model | SC912YN16VFBA4 | SC911YN24VFBA5 | SC311YN24VIBA5 | SC912YN24VFBA4 | SC911YN24VFBA5 | SC912YN24VFBA4 |
| Price | \$74.00 | \$46.00 | \$64.00 | \$74.00 | \$55.00 | \$74.00 |
| Drawing Link | PDF | PDF | PDF | PDF | PDF | PDF |
| Weight (lbs) | 0.46 | | 0.38 | 0.47 | | |
| Valve Type | 2-port (2-way), N.O. | 2-port (2-way), N.C. | | 2-port (2-way), N.O. | 2-port (2-way), N.C. | 2-port (2-way), N.O. |
| Acting | Direct acting, N.O. | Direct acting, N.C. | | Direct acting, N.O. | Direct acting, N.C. | Direct acting, N.O. |
| Inlet Port Size | 1/4" FNPT | | | | | |
| Outlet Port Size | 1/4" FNPT | | | | | |
| Orifice Size | 2.0 mm | 2.4 mm | | 2.0 mm | 2.4 mm | 2.0 mm |
| Cv | 0.065 | 0.14 | 0.14 | 0.065 | 0.14 | 0.065 |
| Media | Air, Inert Gas, Water, Coolant | | | | | |
| Pressure Range | 0-95 psi | 0-203 psi | 0-203 psi | 0-95 psi | 0-203 psi | 0-95 psi |
| Voltage (± 10%) | 24 VDC | 24 VAC | | | | |
| Inrush AC | N/A | 19.5VA | | | | |
| Power Consumption | 4W | 6.5VA | | | | |
| Max Cycles per Minute** | 250-300 | | | | | |
| Insulation | Class H: 180°C (356°F) | | | | | |
| Min Response | 8-23 ms | 5-15 ms | | | | |
| Temperature | 32°F to 125°F (0°C to 51.7°C); Max. Fluid Temp 230°F (110°C) | | | | | |
| Lubrication | Not required | | | | | |
| Protection | NEMA 4/4X Encapsulated | | | | | |
| Connection | 11mm DIN style wiring plug | | | | | |
| Construction | Stainless steel body; Viton seals; Stainless steel orifice | Brass body; Viton seals; Stainless steel orifice | Nylon body; Viton seals; Stainless orifice | Brass body; Viton seals; Stainless steel orifice | Stainless steel body; Viton seals; Stainless steel orifice | |
| Life Cycle | 1 Million | | | | | |
| Agency Approvals* | CE, UL Recognized | | | | | |

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CFA Valve Rebuild Kits



Part No. **KSC9102VBA5**



Part No. **KSC3102VDA5**



Part No. **KSC9202VDA5**

| CFA Valve Rebuild Kits | | | |
|---------------------------|---|--------------|---------------------|
| <i>Part No.</i> | <i>Description</i> | <i>Price</i> | <i>Weight (lbs)</i> |
| <u>KSC9102VBA5</u> | CFA rebuild kit, for use with SC911 series brass valves and valve banks, includes plunger tube assembly and plunger assembly. | \$38.00 | 0.16 |
| <u>KSC3102VDA5</u> | CFA rebuild kit, for use with SC311 series valves, includes plunger tube assembly and plunger assembly. | \$37.00 | 0.18 |
| <u>KSC9102VDA5</u> | CFA rebuild kit, for use with SC911 series SS valves and valve banks, includes plunger tube assembly and plunger assembly. | \$44.00 | 0.16 |
| <u>KSC9202VDA5</u> | CFA rebuild kit, for use with SC912 series valves, includes plunger tube assembly, plunger, plunger tube head, set retainer and spring. | \$48.00 | 0.17 |
| <u>KSC9302VDA3</u> | CFA rebuild kit, for use with SC913 series valves, includes plunger tube assembly and plunger assembly. | \$48.00 | 0.16 |



CFA Valve Replacement Coils and Spare Parts

Part No. **C944**Part No. **C987**Part No. **C999**

| CFA Valve Replacement Coils | | | | |
|-----------------------------|--|---------|--------------|---------------------|
| Part No. | Description | Price | Weight (lbs) | Drawing Link |
| <u>C926</u> | CFA solenoid coil, replacement, 24 VDC, 4W, 11mm DIN style wiring plug. For use with SC3 and SC9 series valves. | \$26.50 | 0.25 | PDF |
| <u>C944</u> | CFA solenoid coil, replacement, 120 VAC, 6.5 VA, 11mm DIN style wiring plug. For use with SC3 and SC9 series valves. | \$26.50 | 0.25 | PDF |
| <u>C987</u> | CFA solenoid coil, replacement, 24 VAC, 6.5 VA, 11mm DIN style wiring plug. For use with SC3 and SC9 series valves. | \$26.50 | 0.25 | PDF |
| <u>C999</u> | CFA solenoid coil, replacement, 12 VDC, 4W, 11mm DIN style wiring plug. For use with SC3 and SC9 series valves. | \$26.50 | 0.25 | PDF |
| <u>S060.1016P</u> | CFA solenoid coil nut, for use with CFA C9 coils. | \$1.50 | 0.13 | N/A |