



# CFA 3-Way Valves



**Part No.**  
**SC913YN02VEAA3**

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 brass or stainless steel bodies with Viton seals.

## Features

- 3-ports (3-way), 2-position
- Normally closed (N.C.) configuration
- Direct acting operator
- Zero differential action
- 11mm DIN style wiring plug
- 1/8" or 1/4" NPT inlet/outlet ports
- #10-32 exhaust port
- 120 VAC, 24 VAC or 24 VDC solenoids
- Viton seals
- Made in USA



**Made in the USA**

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

| CFA 3-Way Valves        |                                                              |                                                            |                     |                     |                                                  |                     |
|-------------------------|--------------------------------------------------------------|------------------------------------------------------------|---------------------|---------------------|--------------------------------------------------|---------------------|
| Model                   | SC913YN02VEAA3                                               | SC913YN02VEBA3                                             | SC913YN02VFBA3      | SC913YN02VFBA3      | SC913YN16VEAA3                                   | SC913YN16VEBA3      |
| Price                   | \$48.50                                                      | \$49.50                                                    | \$60.00             | \$67.00             | \$48.50                                          | \$49.50             |
| Drawing Link            | <a href="#">PDF</a>                                          | <a href="#">PDF</a>                                        | <a href="#">PDF</a> | <a href="#">PDF</a> | <a href="#">PDF</a>                              | <a href="#">PDF</a> |
| Weight (lbs)            | 0.40                                                         | 0.44                                                       | 0.39                |                     |                                                  | 0.44                |
| Valve Type              | 3-port (3-way), N.C.                                         |                                                            |                     |                     |                                                  |                     |
| Acting                  | Direct acting, N.C.                                          |                                                            |                     |                     |                                                  |                     |
| Inlet Port Size         | 1/8" FNPT                                                    | 1/4" FNPT                                                  | 1/8" FNPT           | 1/4" FNPT           | 1/8" FNPT                                        | 1/4" FNPT           |
| Outlet Port Size        | 1/8" FNPT                                                    | 1/4" FNPT                                                  | 1/8" FNPT           | 1/4" FNPT           | 1/8" FNPT                                        | 1/4" FNPT           |
| Orifice Size            | 1.6 mm                                                       |                                                            |                     |                     |                                                  |                     |
| Cv                      | 0.084                                                        |                                                            |                     |                     |                                                  |                     |
| Media                   | Air, Inert Gas, Water, Coolant                               |                                                            |                     |                     |                                                  |                     |
| Pressure Range          | 0-102 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             | 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 3-Way Valves



| CFA 3-Way Valves Cont.  |                                                              |                     |                                                  |                     |                                                            |                     |
|-------------------------|--------------------------------------------------------------|---------------------|--------------------------------------------------|---------------------|------------------------------------------------------------|---------------------|
| Model                   | SC913YN16/VFAA3                                              | SC913YN16/VFBA3     | SC913YN24/VEAA3                                  | SC913YN24/VEBA3     | SC913YN24/VFAA3                                            | SC913YN24/VFBA3     |
| Price                   | \$60.00                                                      | \$67.00             | \$48.50                                          | \$49.50             | \$60.00                                                    | \$67.00             |
| Drawing Link            | <a href="#">PDF</a>                                          | <a href="#">PDF</a> | <a href="#">PDF</a>                              | <a href="#">PDF</a> | <a href="#">PDF</a>                                        | <a href="#">PDF</a> |
| Weight (lbs)            | 0.39                                                         | 0.44                | 0.40                                             | 0.45                | 0.39                                                       | 0.44                |
| Valve Type              | 3-port (3-way), N.C.                                         |                     |                                                  |                     |                                                            |                     |
| Acting                  | Direct acting, N.C.                                          |                     |                                                  |                     |                                                            |                     |
| Inlet Port Size         | 1/8" FNPT                                                    | 1/4" FNPT           | 1/8" FNPT                                        | 1/4" FNPT           | 1/8" FNPT                                                  | 1/4" FNPT           |
| Outlet Port Size        | 1/8" FNPT                                                    | 1/4" FNPT           | 1/8" FNPT                                        | 1/4" FNPT           | 1/8" FNPT                                                  | 1/4" FNPT           |
| Orifice Size            | 1.6 mm                                                       |                     |                                                  |                     |                                                            |                     |
| Cv                      | 0.084                                                        |                     |                                                  |                     |                                                            |                     |
| Media                   | Air, Inert Gas, Water, Coolant                               |                     |                                                  |                     |                                                            |                     |
| Pressure Range          | 0-102 psi                                                    |                     |                                                  |                     |                                                            |                     |
| Voltage<br>(± 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 |                     | Stainless steel 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.

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# CFA Valve Rebuild Kits



Part No. **KSC9102VBA5**



Part No. **KSC3102VDA5**



Part No. **KSC9202VDA5**

| CFA Valve Rebuild Kits    |                                                                                                                                         |         |              |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|
| Part No.                  | Description                                                                                                                             | Price   | Weight (lbs) |
| <b><u>KSC9102VBA5</u></b> | CFA rebuild kit, for use with SC911 series brass valves and valve banks, includes plunger tube assembly and plunger assembly.           | \$46.00 | 0.16         |
| <b><u>KSC3102VDA5</u></b> | CFA rebuild kit, for use with SC311 series valves, includes plunger tube assembly and plunger assembly.                                 | \$44.50 | 0.18         |
| <b><u>KSC9102VDA5</u></b> | CFA rebuild kit, for use with SC911 series SS valves and valve banks, includes plunger tube assembly and plunger assembly.              | \$53.00 | 0.16         |
| <b><u>KSC9202VDA5</u></b> | CFA rebuild kit, for use with SC912 series valves, includes plunger tube assembly, plunger, plunger tube head, set retainer and spring. | \$58.00 | 0.17         |
| <b><u>KSC9302VDA3</u></b> | CFA rebuild kit, for use with SC913 series valves, includes plunger tube assembly and plunger assembly.                                 | \$58.00 | 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        |
| <a href="#">C926</a>        | CFA solenoid coil, replacement, 24 VDC, 4W, 11mm DIN style wiring plug. For use with SC3 and SC9 series valves.      | \$28.00 | 0.25         | <a href="#">PDF</a> |
| <a href="#">C944</a>        | CFA solenoid coil, replacement, 120 VAC, 6.5 VA, 11mm DIN style wiring plug. For use with SC3 and SC9 series valves. | \$28.00 | 0.25         | <a href="#">PDF</a> |
| <a href="#">C987</a>        | CFA solenoid coil, replacement, 24 VAC, 6.5 VA, 11mm DIN style wiring plug. For use with SC3 and SC9 series valves.  | \$28.00 | 0.25         | <a href="#">PDF</a> |
| <a href="#">C999</a>        | CFA solenoid coil, replacement, 12 VDC, 4W, 11mm DIN style wiring plug. For use with SC3 and SC9 series valves.      | \$28.00 | 0.25         | <a href="#">PDF</a> |
| <a href="#">S060.1016P</a>  | CFA solenoid coil nut, for use with CFA C9 coils.                                                                    | \$0.75  | 0.13         | N/A                 |