



# 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](http://www.AutomationDirect.com)  
for a variety of fitting options

CFA Valves						
Model	SC911YN02VEAA5	SC311YN02VIAA6	SC912YN02VEAA5	SC911YN02VFAA5	SC912YN02VFAA5	SC911YN16VEAA5
Price						
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	0.37	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	11 mm 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						
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)	0.38	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	11 mm 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	SC911YN02VEBA5	SC311YN02VEBA5	SC912YN02VEBA4
Price						
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)	0.43			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	11 mm 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	<a href="#">SC911YN02VFBA5</a>	<a href="#">SC912YN02VFBA4</a>	<a href="#">SC911YN16VEBA5</a>	<a href="#">SC311YN16VIBA5</a>	<a href="#">SC912YN16VEBA4</a>	<a href="#">SC911YN16VFBA5</a>
Price						
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)	0.44		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	11 mm 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	SC311YN24VBA5	SC912YN24VFBA4	SC911YN24VFBA5	SC912YN24VFBA4
Price						
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)	0.46		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	11 mm 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			
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.		0.16
<b><u>KSC3102VDA5</u></b>	CFA rebuild kit, for use with SC311 series valves, includes plunger tube assembly and plunger assembly.		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.		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.		0.17
<b><u>KSC9302VDA3</u></b>	CFA rebuild kit, for use with SC913 series valves, includes plunger tube assembly and plunger assembly.		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, 4 W, 11 mm DIN style wiring plug. For use with SC3 and SC9 series valves.		0.25	<a href="#">PDF</a>
<a href="#">C944</a>	CFA solenoid coil, replacement, 120 VAC, 6.5 VA, 11 mm DIN style wiring plug. For use with SC3 and SC9 series valves.		0.25	<a href="#">PDF</a>
<a href="#">C987</a>	CFA solenoid coil, replacement, 24 VAC, 6.5 VA, 11 mm DIN style wiring plug. For use with SC3 and SC9 series valves.		0.25	<a href="#">PDF</a>
<a href="#">C999</a>	CFA solenoid coil, replacement, 12 VDC, 4 W, 11 mm DIN style wiring plug. For use with SC3 and SC9 series valves.		0.25	<a href="#">PDF</a>
<a href="#">S060.1016P</a>	CFA solenoid coil nut, for use with CFA C9 coils.		0.13	N/A