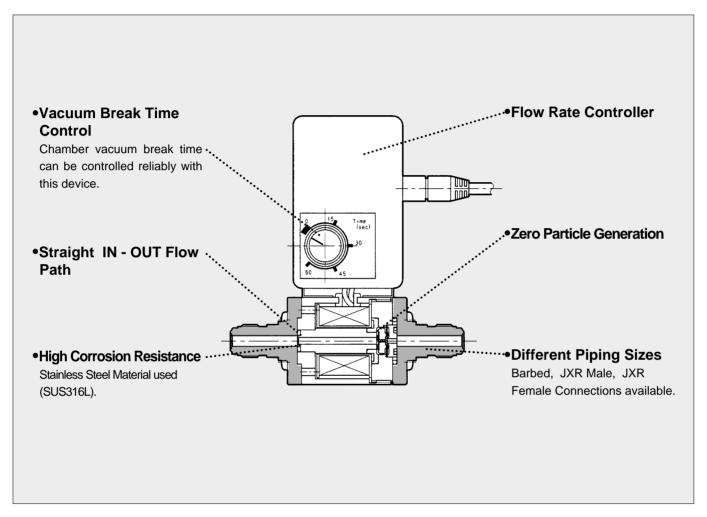
Discontinue

FGL 1 1 Series

Vacuum Break Valves

•Control Range: 0 - 60 sec.

Model No.	Actuation	Flow Rate	Voltage	Model No.	Actuation	Flow Rate	Voltage
FGL11	NC	32 ℓ/min	12, 24 VDC	FGL21	NC	50 ℓ/min	12, 24 VDC







\text{\text{L}} Use with Caution!

Read "Precautions" in the introduction 4 - 7 before selection and starting use.

- Media
- 2 Follow flow path direction!
- The solenoid valve coil heats up when energized and may reach high temperature.
- 4 Caution! Electric shock may occur upon contact with exposed electric wires in the solenoid valve.

Specifications

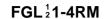
Model No.	FGL11-4S	FGL11-4RM	FGL21-4S	FGL21-4RM			
Media		Inert (Gases				
Pressure Range (Primary)		0.15	(15)				
MPa {kgf/cm²}		0.15 { 1.5 }					
Pressure Range (Secondary)	1	$.3 \times 10^{-6} - 1 \times 10^{5}$. (1 × 10−8 760 1	ı			
Pa (abs) {Torr}		.3 × 10 = 1 × 10	{1×10 = 700}	'			
Flow Rate		32		50			
Valve Seat Leakage cm ³ /min		0.	5				
External Leakage Pa·m³ / s He {Torr· Q / sHe}	1.3 × 10 ⁻⁹ { 1 × 10 ⁻⁸ }						
Proof Pressure MPa {kgf/cm²}							
Media Temperature °C	10 – 30						
Ambient Temperature °C	10 – 30						
Piping Size	1 / 4" Barbed	See Note 1 / 4" JXR Male	1 / 4" Barbed	1 / 4" JXR Male			
Position for Installation	Any Orientation						
Power Consumption W	8 10						
Power Supply Voltage	12, 24 VDC						
Operation Signal / Pressure Signal	12, 24 VDC						
*Note: JXR fitting can be con	nected to the VCR t	fittina					

*Note: JXR fitting can be connected to the VCR fitting.



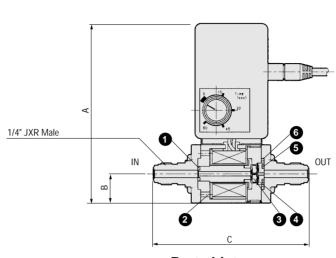
Vacuum Break Valves

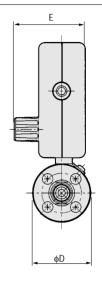
Dimensions





FGL11-4RM





Parts List

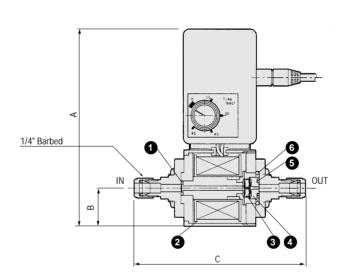
Model No.	Α	В	С	φD	E
FGL11-4RM-32-015	117	19	102	38	(46.5)
FGL21-4RM-50-015	129	25	110	50	(46.5)

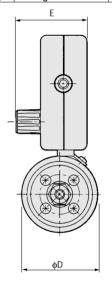
Item No.	Description	Material	Item No.	Description	Material
0	O-Ring	FKM	4	Diameter	SUS316L
2	Coil Assembly		6	O-Ring	FKM
3	Plunger Assembly		6	O-Ring	FKM

FGL 11-4S



FGL21-4S



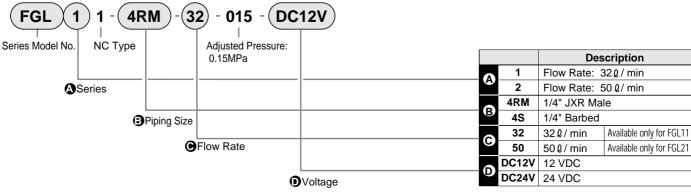


Parts List

Model No.	Α	В	С	φD	Е
FGL11-4S-32-015	117	19	105	38	(46.5)
FGL21-4S-50-015	129	25	113	50	(46.5)

Item No.	Description	Material	Item No.	Description	Material
0	O-Ring	FKM	4	Diameter	SUS316L
0	Coil Assembly		6	O-Ring	FKM
3	Plunger Assembly		6	O-Ring	FKM

How to order



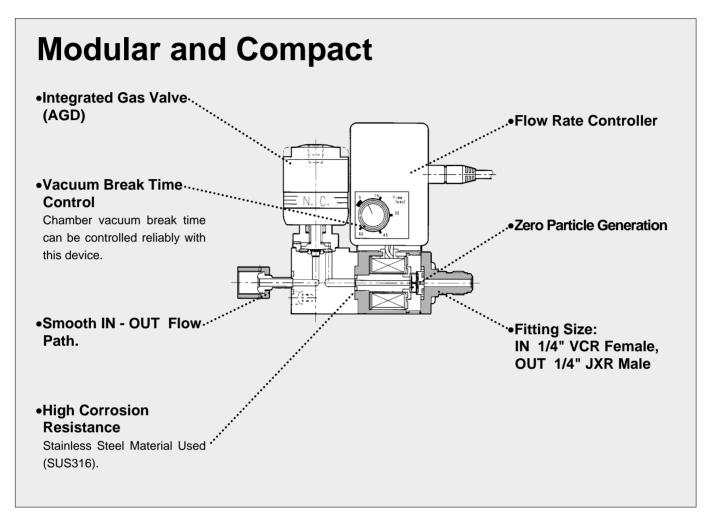
Discontinue

FGL11-X* Series

Vacuum Break Valves with Air Operated Diaphragm Valves

•Combination Valve •Space Saving

Model No.	Actuation	Flow Rate	Voltage	Model No.	Actuation	Flow Rate	Voltage
FGL11-X0005	NC	32 ℓ/min	12 VDC	FGL11-X0006	NC	32ℓ/min	24 VDC







Use with Caution!

Read "Precautions" in the introduction 4 - 7 before selection and starting use.

- Media
- 2 Follow flow path direction!
- The solenoid valve heats up when energized and may reach high temperature.
- Caution! Electric shock may occur upon contact with exposed electric wires.

Specifications

Model No.	FGL11-X0005	FGL11-X0006				
Media	Inert Gases					
Pressure Range (Primary)	0.15 (1.5)					
MPa {kgf/cm²}	0.15 { 1.5 }					
Pressure Range (Secondary)	$1.3 \times 10^{-6} - 1 \times 10^{5} \{ 1 \times 10^{-8} - 760 \}$					
Pa (abs) {Torr}	1.3 × 10 = 1 × 10 { 1 × 10 = 700 }					
Flow Rate	32	2				
Valve Seat Leakage	1.3×10 ⁻⁹ {1×10 ⁻⁸ }					
Pa·m³ / s {Torr· l/ sec}						
External Leakage	$1.3 \times 10^{-9} \ \{ 1 \times 10^{-8} \}$					
Pa·m³ / s He {Torr·ℓ/ sHe}						
Proof Pressure MPa {kgf/cm²}	0.99 { 9.9 }					
Media Temperature °C	10 – 30					
Ambient Temperature °C	10 – 30					
Piping Size	IN: 1/4" VCR Female	OUT: 1/4" JXR Male				
Position for Installation	Free Orientation					
Power Consumption	8					
Power Supply Voltage W	12 VDC	24 VDC				
Operation Signal / Pressure Signal	12 VDC	24 VDC				



FGL11-X* Series

Vacuum Break Valves with Air Oprated Diaphragm Valves

Dimensions

FGL11-X*

•NC Type with Gas Valve

