



Extrusion & injection, basic

GCA PNEUMATIC VALVE

GENERAL CHEMICAL APPLICATION- FERRULE CONNECTION TYPE

OVERVIEW

GCA Pneumatic valve's all wetted parts are made of PFA material, and the valve is designed to generate optimal performance in handling high-purity chemicals

FEATURES

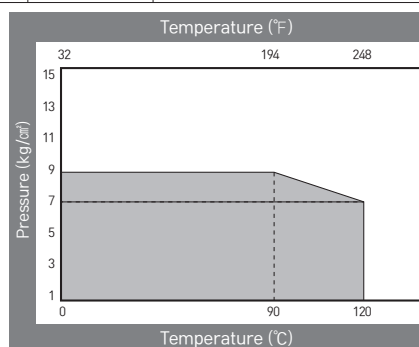
1. Made only of high-purity Fluoropolymer material and is designed to generate optimal performance in handling high-purity chemicals.
2. Bonnet is screwed onto the body (All-in-one assembly) to prevent valve deformation and improve airtightness.
3. The Bonnet Lock and fitting Nut Lock stabilize and prevent loosening of valve components adding additional safety.
4. Visually identifiable on and off indicator for precise valve operation

TECHNICAL DATA

Actuator Type	Pneumatic Air Operation
Connection Type	E&B Ferrule Connection
Configuration	2-Way Flow / Orifice
Air Port	1/8"PT(Female)
Supply Pressure	Minimum 5,5 ~ Maximum 6,5 kg/cm ² (78 ~92 psi)

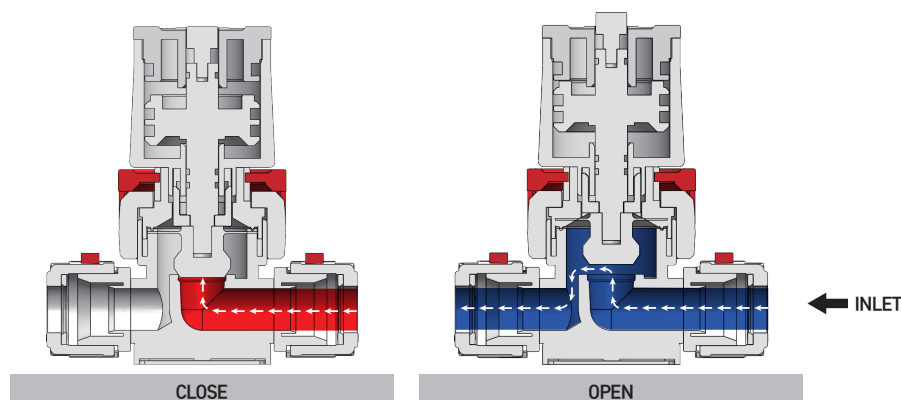
Model Number	Size	Orifice	Cv	Port Configuration
GPV-FR-04	1/4"	4.5	0.5	1/4" Ferrule Connection
GPV-FR-06	3/8"	6.9	1.1	3/8" Ferrule Connection
GPV-FR-08	1/2"	10	1.8	1/2" Ferrule Connection
GPV-FR-12	3/4"	16.4	5.8	3/4" Ferrule Connection
GPV-FR-16	1"	22.8	11	1" Ferrule Connection

Operating Temperature	Operating Pressure
0 ~ 90 °C	9kg/cm ² (0.9Mpa)
90 ~ 120 °C	7kg/cm ² (0.7Mpa)



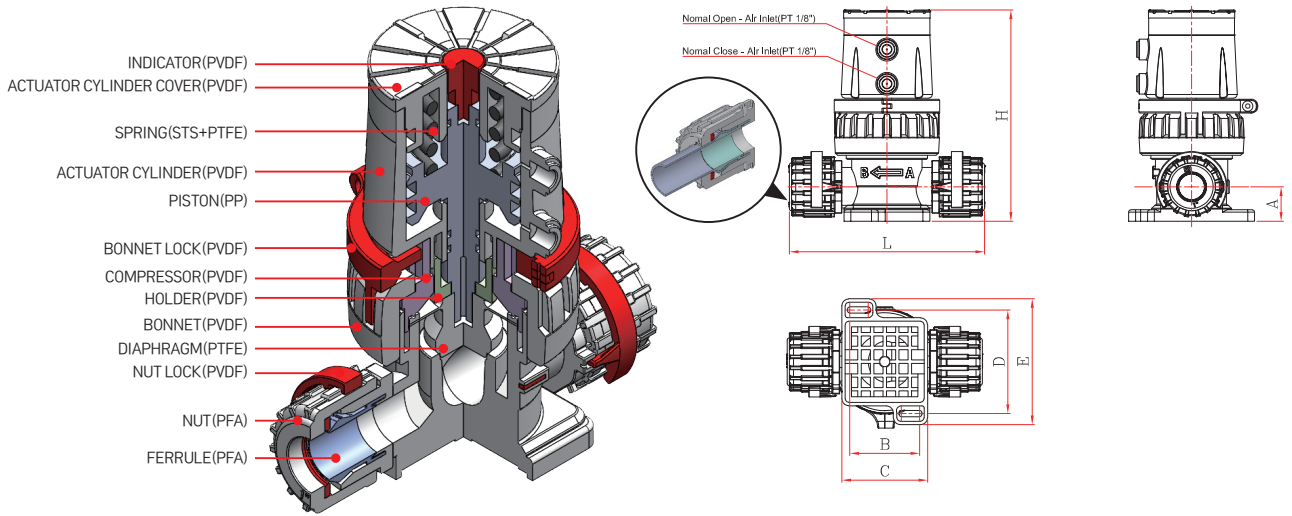
Standard Ferrule Type Size
1/4" ~ 1"

2-WAY FLOW PATTERNS



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MATERIAL CONSTRUCTION & DIMENSION TABLE



Size	A	H	L	B	C	D	E
1/4"	0.71"(18mm)	4.65"(118mm)	3.94"(100mm)	1.14"(29mm)	1.61"(41mm)	1.89"(48mm)	2.48"(63mm)
3/8"	0.71"(18mm)	4.65"(118mm)	4.33"(110mm)	1.14"(29mm)	1.61"(41mm)	1.89"(48mm)	2.48"(63mm)
1/2"	0.87"(22mm)	4.90"(124.5mm)	4.74"(120.5mm)	1.34"(34mm)	1.81"(46mm)	2.17"(55mm)	2.76"(70mm)
3/4"	1.18"(30mm)	6.00"(152.5mm)	5.63"(143mm)	1.73"(44mm)	2.24"(57mm)	2.56"(65mm)	3.15"(80mm)
1"	1.18"(30mm)	7.26"(184.5mm)	6.71"(170.5mm)	2.40"(61mm)	2.95"(75mm)	3.56"(90.5mm)	4.33"(110mm)

HOW TO ORDER

[Normal Close Type]

Type	CODE
GCA PNEUMATIC VALVE Normally Close Type	GPV
Connection	CODE
FERRULE	FR
SIZE	CODE
1/4"	04
3/8"	06
1/2"	08
3/4"	12
1"	16

Example : GPV-FR-12

GPV	GCA PNEUMATIC VALVE Normally Close Type
FR	FERRULE
12	3/4"

[Normal Open Type]

Type	CODE
GCA PNEUMATIC VALVE Normally Open Type	GPVO
Connection	CODE
FERRULE	FR
SIZE	CODE
1/4"	04
3/8"	06
1/2"	08
3/4"	12
1"	16

Example : GPVO-FR-16

GPVO	GCA PNEUMATIC VALVE Normally Open Type
FR	FERRULE
16	1"

“ SMART VALUE OPERATION PRODUCT LINE UP ”

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E&IB is to become a key provider of safe, high performance, and advanced technology device and components for fluid management systems and applications that meet or exceed the needs and requirements of global customers.

65-59, Ucheonje2nongongdanji-ro, Ucheon-Myeon,
Hoengseong-gun, Gangwon-do, Republic of Korea
Customer Service Tel : +82 033 345 8836
Customer Fax : +82 345 8837
www.enib.co.kr