



Air Operated Valve

Compact size 2-way diaphragm valve

Size : 1"

FVAT 2160

How to order 주문 방법

FVAT 2160 □ □ - □ □ □ - □ - □ - □ - □
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Upper Cover	② Actuator	③ Operating	④ Connection	⑤ Option
S(Standard): PPS(120°C) V : PVDF(Ozone) E: PP(80°C)	S(Standard): PPS(120°C) V : PVDF(Ozone) E: PP(80°C)	C : Normal Close O : Normal Open D : Double Acting	6: 1" Tube Z : Z Fitting	0 : No Option 1 : Indicator 2 : Flow Control 3 : By-pass (Body : PTFE) 4 : Flow control + By-pass (Body: PTFE) Transistor Cable direction 3 Sensor NPN Cable length : 2m Operating port side 4 Opposite side to operating port 5 Sensor PNP Cable length : 2m Operating port side 6 Opposite side to operating port
⑥ O - Ring	⑦ Air Port Direction	⑧ Plate Material	Base Plate Type	Diaphragm
V : FKM (VITON) F : ETP K : FFKM	1 2 3 4 	S(Standard): PPS E : PP	B : B Type Plate	T : TFM

Specifications 사양

Orifice size	Ø 21	
Connection size	1"	
OP.Temp	5 ~ 80 °C	5 ~ 120 °C 1)
OP.Press (ordinary)	0 ~ 0.5 MPa	0 ~ 0.3 MPa
OP.Press (reverse)	0 ~ 0.3 MPa	0 ~ 0.2 MPa
Air Press	0.55 ~ 0.6 MPa	0.55 ~ 0.6 MPa
Cv	8.188	
Weight	706 g	

1) : For hydrofluoric acid or chemicals containing hydrofluoric acid, use the temperature below 80 degrees Celsius.

General 개요

This is compact diaphragm valve as from 1" and this durable valve is tested up to 10million cycling times. Since wetted parts are constructed anticorrosive PFA, suitable for DI water or chemical process line.

이 valve는 1" Tube size의 Diaphragm valve입니다. 우수한 내구성의 이 Valve는 1000 만 Cycle test를 거쳤습니다. 접액부는 우수한 내화학성의 PFA로 만들어져 DI water 및 Chemical 공정에 적합한 제품입니다.

Features 특징

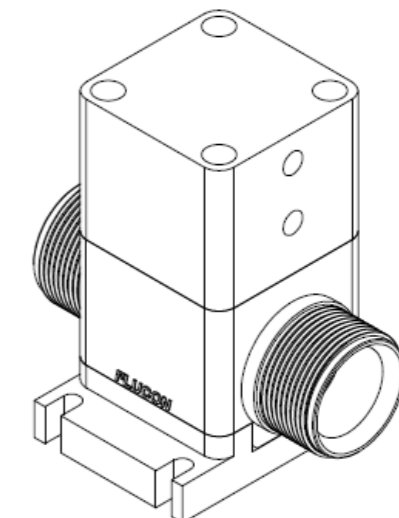
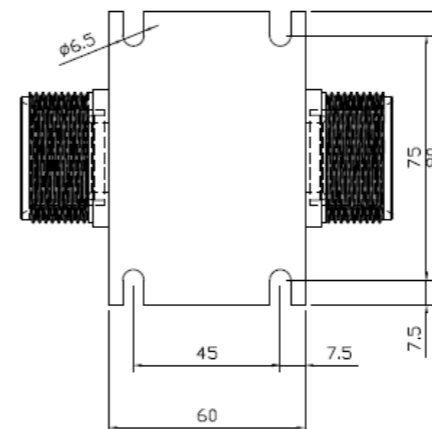
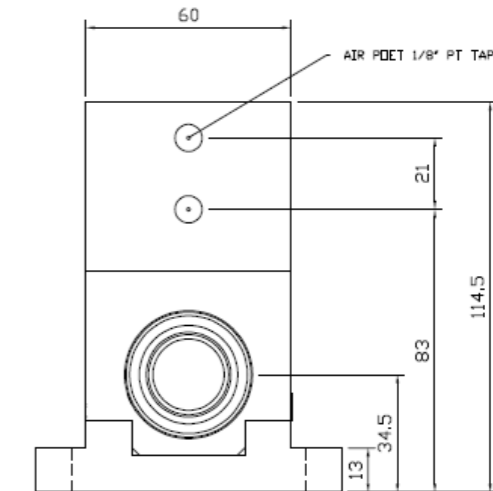
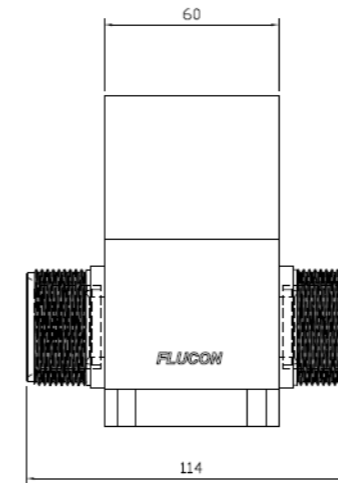
- Wetted parts is made of PFA
- PTFE diaphragm tested to more than a 10million cycles
- 1" size connection
- Sleeve insert tube
- NC, NO, Double Acting by air
- Indicator for movement's confirmation, flow control function
- Particle free, none ion contamination
- Ultrasonic washing by DI water & vacuum packing

- PFA 재질로 구성
- 1000만 cycle test를 거친 PTFE diaphragm
- 큰 orifice 구조로 원활한 유체 유동과 적은 압력 손실
- 1" size connection
- Sleeve insert tube
- Air 구동의 NC, NO, Double Acting
- 동작 확인용 indicator, 유량 조절 기능 부착
- Particle free, none ion contamination
- Degreasing, DI water로 초음파 세정 및 진공포장

Part name	Material	
	80 °C	120 °C
Body	PFA	
Diaphragm	TFM	TFM
Upper Cover	PP	PPS
Actuator	PP, PPS	PPS
Mounting Plate	PPS, PP	

Dimension 크기

설계치수는 영업부에 문의 또는 승인도를 요청 바랍니다. 상기 치수는 변경될 수 있습니다.
 For exact size of each item, Please contact Sales Dept. Above-mentioned dimensions are changeable.



Applications 사용 분야

- Semiconductor and LCD wet equipment
- Using to control the little flow of coater or developer equipment
- Using to control the little flow of wet spin process equipment
- Chemical supply unit of little capacity
- Microbe, biochemistry and medical fields
- 반도체 및 LCD wet 장비
- Coater, Developer 장비의 소유량 제어용
- Wet spin process 장비의 소유량 제어용
- 소용량 Chemical supply unit
- 미생물 생화학 의학 분야