



**Needle Valve** 정밀 유량 조절 밸브  
Compact size 2-way diaphragm valve  
Size : 1/4"

# FNV 2020

## Specifications 사양

Orifice size	Ø6	
Connection size	1/4"	
OP.Temp	5~ 80 °C (PP)	120°C 1) (PPS)
OP.Press(ordinary)	0 ~ 0.5MPa	0 ~ 0.3 MPa
OP.Press(reverse)	0 ~ 0.5MPa	0 ~ 0.2 MPa
Cv	0.35	
Weight	112 g	

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

## 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 의약 분야

## General 개요

This is compact diaphragm valve 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 소형 Diaphragm valve 방식의 니들 밸브입니다. 우수한 내구성의 이 Valve는 1000만 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
- 1/4" size connection
- Sleeve insert tube fitting type
- 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
- 1/4" size connection
- Sleeve insert tube fitting type
- 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	
Upper Cover	PP	PPS
Actuator	PP, PPS	PPS
Mounting Plate	SUS304, SUS304(Teflon coating)	

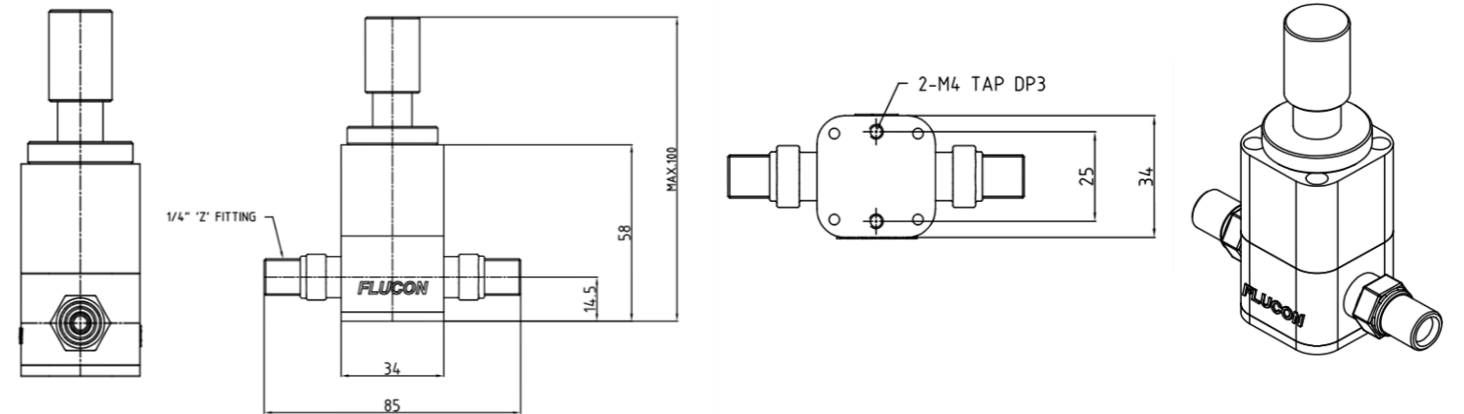
## How to order 주문 방법

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① Body	② Upper Cover	③ Actuator	④ Connection		⑥ O-Ring
T : PFA	E : PP (80°C) S : PPS (120°C) V : PVDF(Ozone) P : PVC(Ozone)	E : PP (80°C) S : PPS (120°C) V : PVDF(Ozone) P : PVC(Ozone)	2 : 1/4"	Z : Z Fitting	V : FKM (VITON) E : EPDM F : ETP K : FFKM N : NBR
⑦ Plate Material		⑧ Base Plate Type ※ <sup>1</sup>		⑨ Diaphragm	
S : SUS304 ST : SUS304(Teflon Coating)		A : A Type Plate B : B Type Plate C : C Type Plate		P : PTFE T : TFM	

## 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.



## Flow Performance

