

## FEATURES

- All SS construction
- Adjustable needle design

## APPLICATION

- Reduces dampening effect of process media

### Adjustable Needle

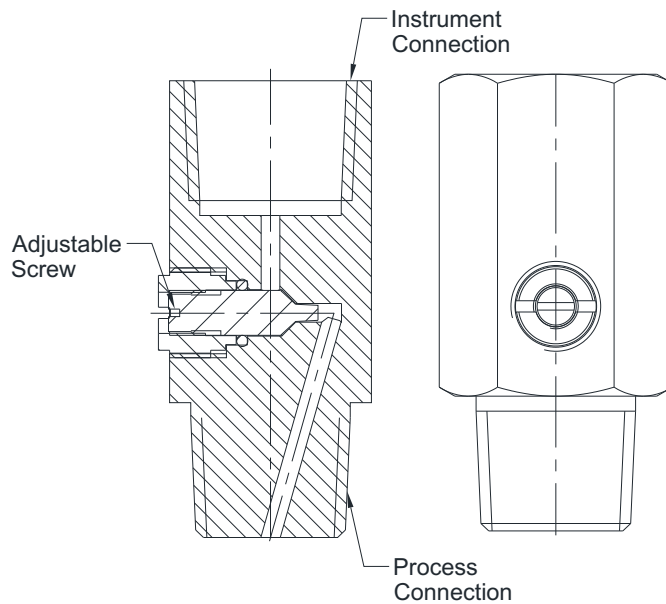


### STANDARD SPECIFICATIONS

Type	:	Pattern 1 (Adjustable needle)
Material	:	AISI 316 SS
Instrument connection	:	1/2" NPT (F) / 1/2" BSP (F)
Process connection	:	1/2" NPT (M) / 1/2" BSP (M)
Gaskets / Seals	:	Viton
Maximum working pressure	:	400 bar
Maximum working temperature	:	180°C

### DIMENSIONAL DRAWING

Pattern 1



### ORDERING CODES

#### 1. TYPE

**1** Pattern 1 (Adjustable needle)

**1**

#### 2. MATERIAL

**MA** Brass  
**MC** AISI 304 SS  
**MF** AISI 316 SS  
**MG** AISI 316L SS  
**MM** Monel  
**MO** Hastelloy C-276

**MF**

#### 3. INSTRUMENT CONNECTION

**02B** 1/4" BSP (F)  
**03B** 3/8" BSP (F)  
**04B** 1/2" BSP (F)  
**02N** 1/4" NPT (F)  
**03N** 3/8" NPT (F)  
**04N** 1/2" NPT (F)  
**04M** M20x1.5 mm (F)

**04N**

#### 4. PROCESS CONNECTION

**12B** 1/4" BSP (M)  
**13B** 3/8" BSP (M)  
**14B** 1/2" BSP (M)  
**12N** 1/4" NPT (M)  
**13N** 3/8" NPT (M)  
**14N** 1/2" NPT (M)  
**14M** M20x1.5 mm (M)

**14N**

#### 5. OTHER OPTIONS

**TC** Material test certificate 3.1  
**TM** Material test certificate 2.2  
**TN** Tested to NACE standards  
**TO** Certification for Oxygen service  
**XM** Marking by engraving  
**XL** Marking by laser

**XM**

**Ordering Example : A201-1-MF-04N-14N-XM**

#### NOTES:

1. Other process connections are available through adaptors.
2. Option TC, TM, TN are not applicable for Material selection of MA.
3. The pressure rating for Material selection MA is 250 bar.