

## FEATURES

- Hydro tested
- Various combinations
- Optional exotic materials

## APPLICATION

- General Purpose

### Pressure Line Fittings

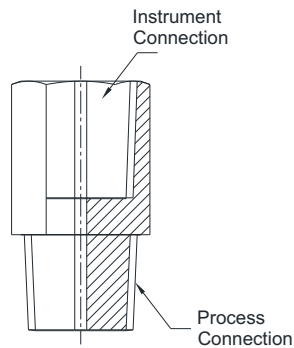


#### STANDARD SPECIFICATIONS

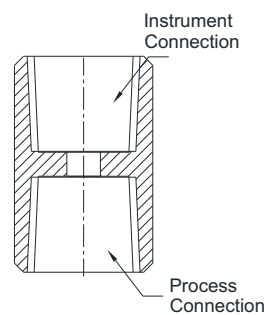
Type	:	Pattern 1 (Male x Female)
Material	:	AISI 316 SS
Instrument connection	:	1/2" NPT (F) / 1/2" BSP (F)
Process connection	:	1/2" NPT (M) / 1/2" BSP (M)

#### DIMENSIONAL DRAWING

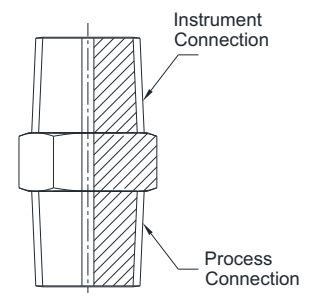
Pattern 1



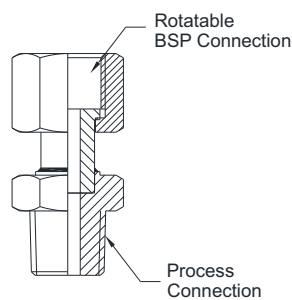
Pattern 2



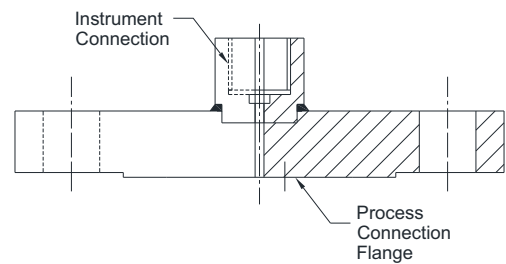
Pattern 3



Pattern 4

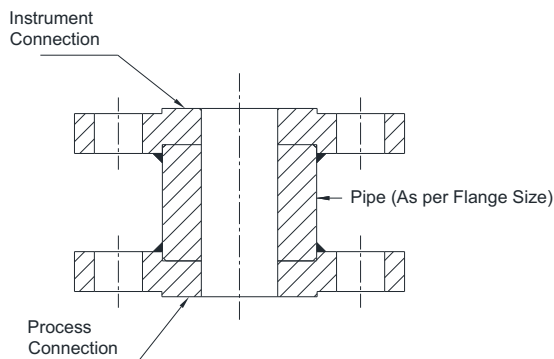


Pattern 5

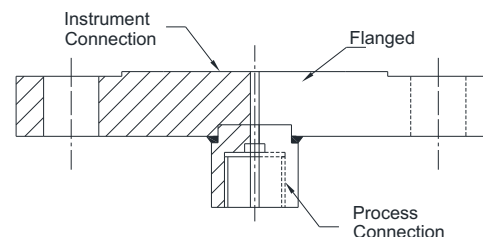


## DIMENSIONAL DRAWING

**Pattern 6**



**Pattern 7**



## ORDERING CODES

### 1. TYPE

- 1 Pattern 1 (Male x Female)
- 2 Pattern 2 (Female x Female)
- 3 Pattern 3 (Male X Male)
- 4 Pattern 4 (Fixed X Swivel)
- 5 Pattern 5 (Threaded X Flanged)
- 6 Pattern 6 (Flanged X Flanged)
- 7 Pattern 7 (Flanged X Threaded)

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### 2. MATERIAL

- |                       |                           |
|-----------------------|---------------------------|
| <b>MF</b> AISI 316 SS | <b>MG</b> AISI 316L SS    |
| <b>MM</b> Monel       | <b>MO</b> Hastelloy C-276 |

MF

### 3. INSTRUMENT CONNECTION

- |  |                         |
|--|-------------------------|
| <b>12B</b> 1/4" BSP (M)                  | <b>13B</b> 3/8" BSP (M) |
| <b>14B</b> 1/2" BSP (M)                  | <b>12N</b> 1/4" NPT (M) |
| <b>13N</b> 3/8" NPT (M)                  | <b>14N</b> 1/2" NPT (M) |
| <b>14M</b> M20x1.5 mm (M)                |                         |
| <b>02B</b> 1/4" BSP (F)                  | <b>03B</b> 3/8" BSP (F) |
| <b>04B</b> 1/2" BSP (F)                  | <b>02N</b> 1/4" NPT (F) |
| <b>03N</b> 3/8" NPT (F)                  | <b>04N</b> 1/2" NPT (F) |
| <b>04M</b> M20x1.5 mm (F)                |                         |
| <b>A31</b> 2" RF 150# as per ANSI B 16.5 |                         |
| <b>A43</b> 3" RF 150# as per ANSI B 16.5 |                         |
| <b>A49</b> 4" RF 150# as per ANSI B 16.5 |                         |
| <b>A32</b> 2" RF 300# as per ANSI B 16.5 |                         |
| <b>A44</b> 3" RF 300# as per ANSI B 16.5 |                         |
| <b>A50</b> 4" RF 300# as per ANSI B 16.5 |                         |

04N

### 4. PROCESS CONNECTION

- |  |                         |
|--|-------------------------|
| <b>12B</b> 1/4" BSP (M)                  | <b>13B</b> 3/8" BSP (M) |
| <b>14B</b> 1/2" BSP (M)                  | <b>12N</b> 1/4" NPT (M) |
| <b>13N</b> 3/8" NPT (M)                  | <b>14N</b> 1/2" NPT (M) |
| <b>14M</b> M20x1.5 mm (M)                |                         |
| <b>02B</b> 1/4" BSP (F)                  | <b>03B</b> 3/8" BSP (F) |
| <b>04B</b> 1/2" BSP (F)                  | <b>02N</b> 1/4" NPT (F) |
| <b>03N</b> 3/8" NPT (F)                  | <b>04N</b> 1/2" NPT (F) |
| <b>04M</b> M20x1.5 mm (F)                |                         |
| <b>A31</b> 2" RF 150# as per ANSI B 16.5 |                         |
| <b>A43</b> 3" RF 150# as per ANSI B 16.5 |                         |
| <b>A49</b> 4" RF 150# as per ANSI B 16.5 |                         |
| <b>A32</b> 2" RF 300# as per ANSI B 16.5 |                         |
| <b>A44</b> 3" RF 300# as per ANSI B 16.5 |                         |
| <b>A50</b> 4" RF 300# as per ANSI B 16.5 |                         |

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
- HY** Teflon washer
- HZ** Copper washer

XM

**Ordering Example : A304-1-MF-04N-14N-XM**

### NOTES:

- 1. Washer sizes are as per the selected thread sizes.