

Union

Model : A010

Spec. sheet no. AD00-01

Service intended

It is used for adapting size of the pressure tap which is different from the size of the pressure instrument thread.

Standard features

Max. working pressure

Brass : Up to 25 MPa at 20 °C, G $\frac{1}{2}$ "

Stainless steel : Up to 40 MPa at 20 °C, G $\frac{1}{2}$ "

ASME B1.1 Appendix B

Max. working temperature : -10 to 120 °C



※ This product's Max. working temperature could be varied depending on its working pressure and temperature.

Main order

Ordering information

1. Base model

A010 Union

2. Union type

- A** Union
- B** Nipple
- C** Plug

3. Material

- A** Brass
- C** 304SS
- D** 316SS
- F** 316L SS
- G** 304L SS
- V** PVC
- Z** Other

* Only nipple and plug are available with 304SS and 316SS

4. Gauge connection size

- 0** $\frac{1}{4}$ " Nipple can only be selected.
- 1** $\frac{3}{8}$ " Nipple can only be selected.
- 2** $\frac{1}{2}$ " Nipple can only be selected.
- 3** $\frac{1}{8}$ "
- 4** $\frac{7}{16}$ "
- 5** $\frac{3}{4}$ "
- 9** None Plug can only be selected.

Sample ordering code

| | | | | | | | |
|-------------|----------|----------|----------|----------|----------|----------|--------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| A010 | A | A | 0 | A | A | G | A0000 |

5. Gauge connection type

- | | |
|------------------|------------------|
| A PF (F) | D UNF |
| B PT (F) | E NPT (M) |
| C NPT (F) | Z Other |

6. Process connection size

- A** $\frac{1}{8}$ "
- B** $\frac{1}{4}$ " Nipple and plug can only be selected.
- C** $\frac{3}{8}$ " Nipple and plug can only be selected.
- D** $\frac{1}{2}$ " Nipple and plug can only be selected.
- E** $\frac{3}{4}$ "
- F** 1"
- G** $\frac{7}{16}$ "
- Z** Other

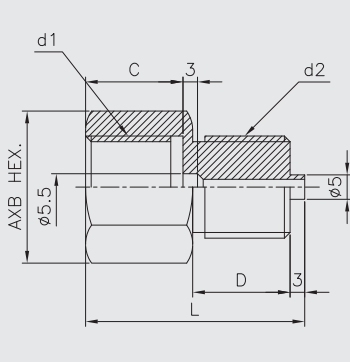
7. Process connection type

- | | |
|------------------|------------------|
| G PF (M) | N S.W |
| H PT (M) | C NPT (F) |
| J NPT (M) | Z None |
| K UNF | |

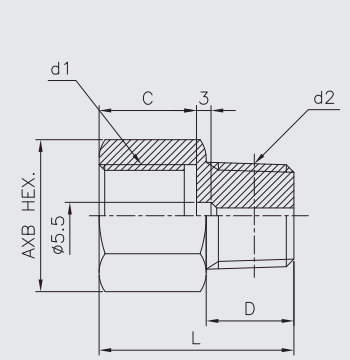
8. Unused character

- A0000** Unused character
- B0000** With vent cock plug
- C0075** Nipple length 75L
- C0100** Nipple length 100L

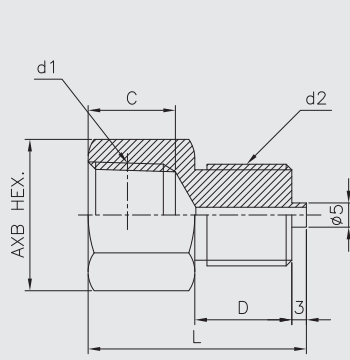
A010 : Type of mounting



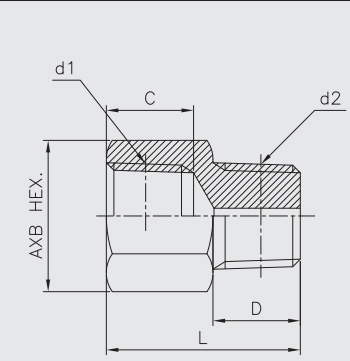
| d1 | d2 | d1 x d2 | L | C | D | AXB HEX. | Ordering code (7th and 10th characters) |
|-------|-------|---------------|----|----|----|----------|---|
| PF1/4 | PF1/4 | PF1/4 X PF1/4 | 40 | | 16 | 19X21.9 | 0ABG |
| PF1/4 | PF3/8 | PF1/4 X PF3/8 | 41 | 16 | 18 | | 0ACG |
| PF1/4 | PF1/2 | PF1/4 X PF1/2 | 43 | | 20 | | 0ADG |
| PF3/8 | PF1/4 | PF3/8 X PF1/4 | 41 | | 16 | 22X25.4 | 1ABG |
| PF3/8 | PF3/8 | PF3/8 X PF3/8 | 43 | 18 | 18 | | 1ACG |
| PF3/8 | PF1/2 | PF3/8 X PF1/2 | 45 | | 20 | | 1ADG |
| PF1/2 | PF1/4 | PF1/2 X PF1/4 | 43 | | 16 | 27X31.2 | 2ABG |
| PF1/2 | PF3/8 | PF1/2 X PF3/8 | 45 | 20 | 18 | | 2ACG |
| PF1/2 | PF1/2 | PF1/2 X PF1/2 | 48 | | 20 | | 2ADG |



| d1 | d2 | d1 x d2 | L | C | D | AXB HEX. | Ordering code (7th and 10th characters) | |
|-------|----------|------------------|----|----|----|----------|---|---------|
| | | | | | | | NPT TYPE | PT TYPE |
| PF1/4 | (N)PT1/4 | PF1/4 X (N)PT1/4 | 34 | | 14 | 19X21.9 | 0ABJ | 0ABH |
| PF1/4 | (N)PT3/8 | PF1/4 X (N)PT3/8 | 36 | 16 | 16 | | 0ACJ | 0ACH |
| PF1/4 | (N)PT1/2 | PF1/4 X (N)PT1/2 | 38 | | 18 | | 0ADJ | 0ADH |
| PF3/8 | (N)PT1/4 | PF3/8 X (N)PT1/4 | 36 | | 14 | 22X25.4 | 1ABJ | 1ABH |
| PF3/8 | (N)PT3/8 | PF3/8 X (N)PT3/8 | 38 | 18 | 16 | | 1ACJ | 1ACH |
| PF3/8 | (N)PT1/2 | PF3/8 X (N)PT1/2 | 40 | | 18 | | 1ADJ | 1ADH |
| PF1/2 | (N)PT1/4 | PF1/2 X (N)PT1/4 | 38 | | 14 | 27X31.2 | 2ABJ | 2ABH |
| PF1/2 | (N)PT3/8 | PF1/2 X (N)PT3/8 | 40 | 20 | 16 | | 2ACJ | 2ACH |
| PF1/2 | (N)PT1/2 | PF1/2 X (N)PT1/2 | 42 | | 18 | | 2ADJ | 2ADH |



| d1 | d2 | d1 x d2 | L | C | D | AXB HEX. | Ordering code (7th and 10th characters) | |
|----------|-------|------------------|----|----|----|----------|---|---------|
| | | | | | | | NPT TYPE | PT TYPE |
| (N)PT1/4 | PF1/4 | (N)PT1/4 X PF1/4 | 37 | | 16 | 19X21.9 | 0CBG | 0BBG |
| (N)PT1/4 | PF3/8 | (N)PT1/4 X PF3/8 | 39 | 14 | 18 | | 0CCG | 0BCG |
| (N)PT1/4 | PF1/2 | (N)PT1/4 X PF1/2 | 41 | | 20 | | 0CDG | 0BDG |
| (N)PT3/8 | PF1/4 | (N)PT3/8 X PF1/4 | 39 | | 16 | 22X25.4 | 1CBG | 1BBG |
| (N)PT3/8 | PF3/8 | (N)PT3/8 X PF3/8 | 41 | 16 | 18 | | 1CCG | 1BCG |
| (N)PT3/8 | PF1/2 | (N)PT3/8 X PF1/2 | 43 | | 20 | | 1CDG | 1BDG |
| (N)PT1/2 | PF1/4 | (N)PT1/2 X PF1/4 | 43 | | 16 | 27X31.2 | 2CBG | 2BBG |
| (N)PT1/2 | PF3/8 | (N)PT1/2 X PF3/8 | 45 | 18 | 18 | | 2CCG | 2BCG |
| (N)PT1/2 | PF1/2 | (N)PT1/2 X PF1/2 | 45 | | 20 | | 2CDG | 2BDG |



| d1 | d2 | d1 x d2 | L | C | D | AXB HEX. | Ordering code (7th and 10th characters) | |
|----------|----------|---------------------|----|----|----|----------|---|---------|
| | | | | | | | NPT TYPE | PT TYPE |
| (N)PT1/4 | (N)PT1/4 | (N)PT1/4 X (N)PT1/4 | 34 | | 14 | 19X21.9 | 0CBJ | 0BBH |
| (N)PT1/4 | (N)PT3/8 | (N)PT1/4 X (N)PT3/8 | 36 | 14 | 16 | | 0CCJ | 0BCH |
| (N)PT1/4 | (N)PT1/2 | (N)PT1/4 X (N)PT1/2 | 38 | | 18 | | 0CDJ | 0BDH |
| (N)PT3/8 | (N)PT1/4 | (N)PT3/8 X (N)PT1/4 | 36 | | 14 | 22X25.4 | 1CBJ | 1BBH |
| (N)PT3/8 | (N)PT3/8 | (N)PT3/8 X (N)PT3/8 | 38 | 16 | 16 | | 1CCJ | 1BCH |
| (N)PT3/8 | (N)PT1/2 | (N)PT3/8 X (N)PT1/2 | 40 | | 18 | | 1CDJ | 1BDH |
| (N)PT1/2 | (N)PT1/4 | (N)PT1/2 X (N)PT1/4 | 38 | | 14 | 27X31.2 | 2CBJ | 2BBH |
| (N)PT1/2 | (N)PT3/8 | (N)PT1/2 X (N)PT3/8 | 40 | 18 | 16 | | 2CCJ | 2BCH |
| (N)PT1/2 | (N)PT1/2 | (N)PT1/2 X (N)PT1/2 | 42 | | 18 | | 2CDJ | 2BDH |