

PCM22B

COMPACT MODULE

DESCRIPTION:

Pennant Compact Module PCM22B is a complete unit in itself. It is a forged steel module comprising upstream isolation valve, a universal connection for fitting a steam trap & a Bypass valve. Steam trap test valve (optional) is provided on the downstream side of compact module. The Strainer comes along with the steam Trap.

The isolation valve is piston type with stainless steel internals and special graphite seals that are designed for long life and give a bubble tight shut-off. All working parts are replaceable which means you never have to replace the compact module- just replace few working parts as and when needed.

AVAILABLE MODELS:

1. PCM22B: - Inlet Isolation Valve, Bypass Valve.

SIZES: 1/2", 3/4",

CONNECTIONS:

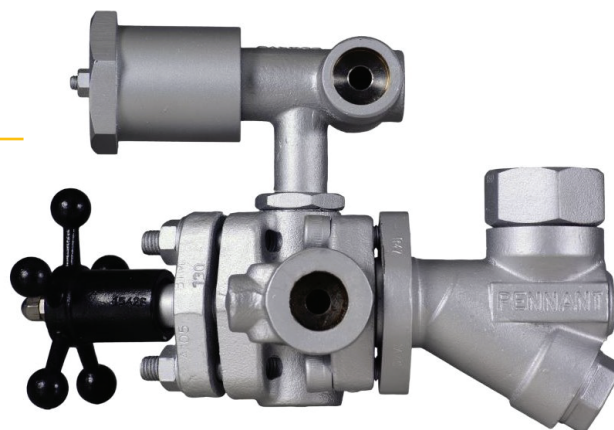
1/2", 3/4": - Socket Weld/ Screwed

*End connections weld on flanges available on request.

LIMITING CONDITIONS:

| | |
|---------------------------------|------------------------------|
| Body Design Rating | As per ASME B16.34 Class 600 |
| PMA: Max. Allowable Pressure | 1479 psi @ RT |
| TMA: Max. Allowable Temperature | 797°F @833.75 psi |

Note: When offered with steam trap, limiting conditions of the assembly will be as per the Weakest part. Kindly refer the steam trap catalogue for its Pressure/ Temperature limits.



INSTALLATION:

There are two combinations of compact modules

- Flow from Left to Right &
- Flow from Right to Left

The Module should be installed in the direction of flow indicated on the body.

Ensure that there is enough space to access the handwheel for its proper operation.

IMPORTANT:

In case any leakage is observed from piston valve, bonnet nuts should be tightened with the valve in fully closed position. Tightening the bonnet nuts should be done till valve shuts. Avoid excessive tightening, as this may reduce the life of sealing rings.

This can be repeated as and when required until the rings are worn out and no further adjustment or tightening is possible. At this stage the seal rings need to be replaced.

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DIMENSIONS: All dimensions are in inches

| MODEL | A | B | C | D | E |
|--------|------|------|------|------|------|
| PCM22B | 3.58 | 3.15 | 2.56 | 4.60 | 5.27 |

MATERIAL:

| NO | PART | MATERIAL | QTY |
|----|--------------------|-----------------------------------|-----|
| 1 | BODY | ASTM A105 | 1 |
| 2 | BONNET | ASTM A105 | 2 |
| 3 | PISTON | AISI 304 | 2 |
| 4 | LANTERN BUSH | AISI 304 | 2 |
| 5 | SEALING RING LOWER | GRAPHITE WITH AISI 304 REINFORCED | 2 |
| 6 | SEALING RING UPPER | | 2 |
| 7 | STUDS | ASTM A193 Gr. B7 | 2 |
| 8 | NUTS | ASTM A194 Gr. 2H | 2 |
| 9 | BELLEVILLE WASHER | 50CrV4 | 4 |
| 10 | PLAIN WASHER | AISI 304 | 3 |
| 11 | HANDWHEEL | ASTM 216 Gr. WCB | 1 |
| 12 | LABEL | AISI 304 | 1 |
| 13 | NUT | MS/AISI 304 | 1 |
| 14 | DOME NUT | AISI 304 | 1 |
| 15 | BYPASS VALVE | ASTM A351 Gr. CF8 | 1 |
| 16 | LOCKNUT | AISI 304 | 1 |

AVAILABLE SPARES:

Sealing Ring pair, Lantern Bush, Piston, Handwheel.

HOW TO ORDER:

PCM22B With PT18Y NIBR 1" SW LEFT TO RIGHT.

ORDERING INFORMATION:

1. Inlet Pressure in psi(g)
2. Back Pressure in psi(g)
3. Operating Temperature in °F
4. Size & End Connection
5. Steam Trap – Thermodynamic PT18Y, PT17RU /
6. Thermostatic PT33U etc.
7. Flow Direction – Left to Right / Right to Left

Local regulations may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only. In the interest of development and improvement of the product, we reserve the right to change the specifications without prior notice.

All Dimensions are in inches. weights in lbs

