

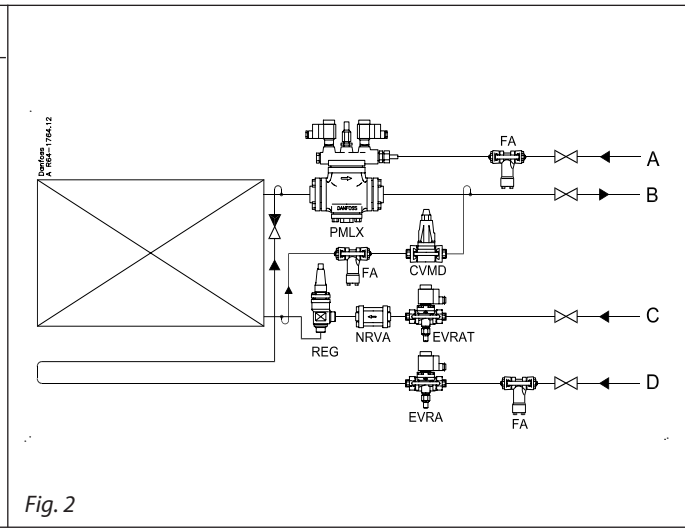
Installation Guide

Pilot valve CVMD

027R9962

Code number: **027B1038**

1. Protection cap
2. O-ring
3. Spindle
4. Gasket
5. Cover
6. Spring
7. Screw
8. Diaphragm
9. Gasket
17. Flanges



027R9962

CVMD

360° \ominus \oplus \sim 0.45 bar \sim 6.5 psi

Range bar	1 turn 360° Δ
-0.66 → 7 bar	0.45 bar
4 → 22 bar	1.4 bar
4 → 28 bar	2 bar

Range psi	1 turn 360° Δ
19.5 in.Hg → 29 psi	6.5 psi
58 psi → 319 psi	20 psi
58 psi → 406 psi	29 psi

ENGLISH

Technical data
Refrigerants
 R 717, R 22, R 134a, R 404A, R 407C etc.
Range
 0-7 bar (0-101 psig)
Max. working pressure
 PB = 28 bar (406 psig)
Temperature range
 -50°C to 120°C (-58°F to 248°F)

See fig. 2
 The figure shows the low pressure side of an R 717 refrigeration plant with flooded evaporator with pump circulation.
 In this application, the constant pressure valve, type CVMD, is mounted as a pressure regulator in the bypass line between evaporator and downstream wet suction line after the solenoid valve, type PMLX.

Pos. A on the drawing is the pilot line from the high pressure side to PMLX.
 Pos. B is the liquid/gas return line.
 Pos. C is the liquid line to the evaporator.
 Pos. D is the hot gas line for hot gas defrosting of the evaporator.

Adjustment
 See fig. 3