

PRODUCT SUBMITTAL 410

Product: Automatic By-pass Valve (AVDO)

Date: 09-January-09



Article No.	Description
260517	1/2" C Female (Sweat) Pressure Bypass Valve
260527	3/4" C Female (Sweat) Pressure Bypass Valve
267987	1" MPT Pressure Bypass Valve

TECHNICAL DESCRIPTION

Maximum working temperature:	248° F (120° C)
Maximum acceptable working pressure:	145 psi (10 bar)
Maximum differential pressure:	7.25 psi (0.5 Bar)
Setting Range:	0.725-7.25 psi (0.05-0.5 Bar)
Maximum leakage when closed:	0.22 GPM (0.05 m ³ /h)
Approximate Envelope Dimensions:	260517 (1/2") 4.76" x 3.50" x 1.85" (121 x 113 x 47mm) 260527 (3/4") 5.39" x 4.49" x 1.85" (137 x 114 x 47mm) 267987 (1") 7.00" x 4.69" x 1.85" (178 x 119 x 47mm)

FUNCTIONAL DESCRIPTION

Pressure differential bypass valves divert excess flow when one circulator pump is used with multiple zones, reducing wear on the pump, avoiding noise problems in the control valves, and allowing more stable temperature control. Applications include PRO-BALANCE® manifolds using manifold valve actuators. Valves are pressure-adjustable. Connections (union ends) are to copper pipe for 1/2" and 3/4" valves. The 1" valve is supplied with 1" MPT union ends.

For complete technical performance specifications, please refer to Danfoss Data Sheet VD.55.K6.22 (1/1998).

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