

AEROFIX-U INSULATED PIPE SUPPORTS

Aerofix-U Pipe Hanger Blocks

Load-bearing insulated supports for chilled water and refrigeration pipework

20 kg/cm²
COMPRESSION STRENGTH

Will not crush under hanger load

≤0.045
W/M·K AT 24 °C

Breaks the thermal bridge at supports

3
**PIECE HERMETIC
ASSEMBLY**

Rigid core, foam lining, sealing tape

100
SIZES IN RANGE

7 wall thicknesses, 10–168 mm ID

DESCRIPTION

Aerofix-U is a three-piece insulated pipe support that carries the weight of a pipe run at hanger, clamp and strut positions without crushing the insulation around it. A rigid polymeric foam core takes the load, a foam tape inner lining supports the pipe and absorbs vibration, and an outer rubber tape seals the assembly after installation so condensation cannot form inside it. Because the support is itself insulating, it removes the thermal bridge that an uninsulated hanger creates — the point where chilled water lines otherwise sweat, ice up and corrode. Resistant to UV degradation, condensation and heat gain, and intended for chilled water, refrigeration and cooling pipework.

PROPERTIES

Construction	Three-piece hermetic assembly	Thermal conductivity	≤ 0.045 W/m·K at 24 °C
Core	Rigid cellular polyurethane foam	Water absorption	≤ 5% by weight
Inner lining	Flexible rubber insulation foam tape	Compression strength	20 kg/cm ²
Outer cover	Protective sealing rubber tape	Flammability	Self-extinguishing
Density	170–330 kg/m ³	Applications	Chilled water, refrigeration, cooling pipework

SIZE RANGE — INTERNAL DIAMETERS AVAILABLE, BY INSULATION WALL THICKNESS

WALL	PIPE INTERNAL DIAMETERS (MM)	SIZES
13 mm	10, 13, 16, 19, 22, 25, 28, 32, 35, 38, 42, 45, 48, 51, 54, 57, 60, 64, 67, 73, 76	21
19 mm	10, 13, 16, 19, 22, 25, 28, 32, 35, 38, 42, 45, 48, 51, 54, 57, 60, 64, 67, 73, 76, 102	22
25 mm	10, 13, 16, 19, 22, 25, 28, 32, 35, 38, 42, 45, 48, 51, 54, 57, 60, 64, 67, 73, 76, 102	22
32 mm	10, 13, 16, 19, 22, 25, 27, 28, 32, 35, 38, 42, 51	13
38 mm	22, 25, 28, 32, 35, 38, 42, 45, 48, 51, 54, 60, 64, 67, 76, 102, 115	17
45 mm	168	1
50 mm	54, 76, 80, 102	4

Product codes follow the pattern **AIRFX** + wall thickness + internal diameter — a 25 mm wall support for 22 mm pipe is **AIRFX25022**. Sizes shown are the full range catalogued by Australian Sun Energy. Stock holding and lead time vary by size — confirm current availability before ordering.

INSTALLATION

- Select the support to match both the pipe internal diameter and the wall thickness of the adjoining insulation.
- Fit at every hanger, clamp, strut and roller position so the load never bears on the insulation itself.
- Close the outer rubber tape fully after fitting — the seal is what keeps condensation out of the assembly.
- Bond to the adjoining Aeroflex insulation with Aero seal adhesive so the vapour barrier is continuous through the support.

COMPLETING THE SYSTEM

Aeroflex EPDM tube & sheet

The insulation the support is sized to. 144 tube sizes, 6–168 mm ID, plus flat sheet and roll.

Aero seal adhesive

Neoprene contact adhesive for bonding the support to the adjoining insulation so the vapour barrier stays continuous.

Protape & Aertape

Self-adhering EPDM tapes for sealing glued seams and termination points around the support.

BEFORE YOU SPECIFY

Aerofix-U is not EPDM. The core is rigid polyurethane foam with rubber linings, not the closed-cell EPDM of Aeroflex tube and sheet. Its density, conductivity and fire performance are different, and the AS 1530.3 rating, DNV type approval and MED certificates held for AEROFLEX/AEROCEL **do not extend to Aerofix-U**. Do not carry figures across from the Aeroflex EPDM data sheet.

Why it matters on chilled lines. An uninsulated hanger is a thermal bridge. Left unaddressed it produces condensation, ice, dripping and corrosion under insulation at exactly the points that are hardest to inspect. The support has to be insulating and sealed, not merely strong.