

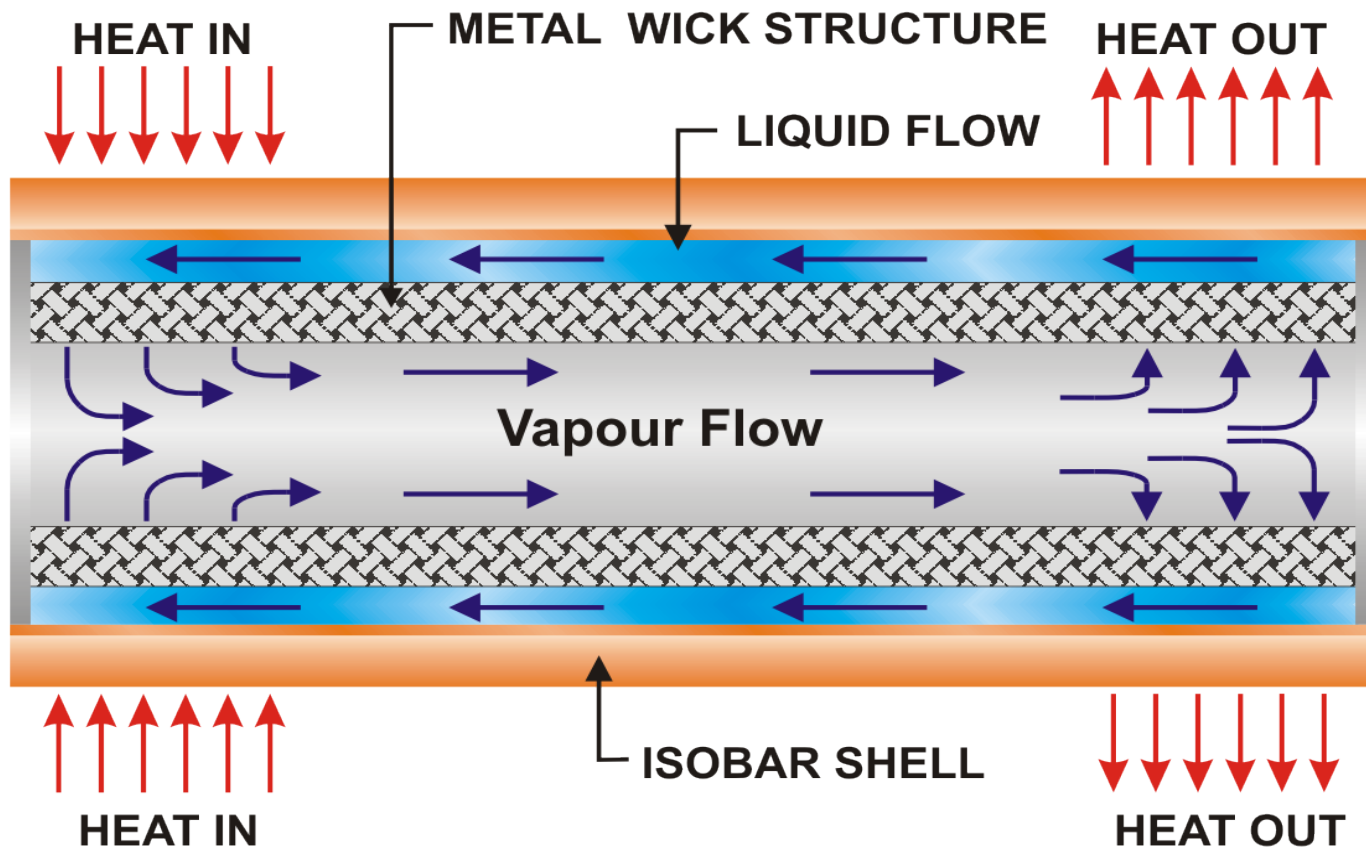
MACROLAB

The image features the word "MACROLAB" in a bold, black, 3D sans-serif font. The letters are rendered with a metallic silver finish on their sides, giving them a three-dimensional appearance. The letter 'O' is replaced by a target symbol consisting of three concentric rings: an outer yellow ring, a middle orange ring, and an inner red ring. The entire logo is set against a background of numerous thin, parallel lines radiating from the top center towards the bottom, transitioning in color from dark blue at the top to light blue and white at the bottom.

Cooling Cores & Mold Sections

Isobar Heat Transfer Technology For Thermoplastic Molders

Isobar Operating Principle

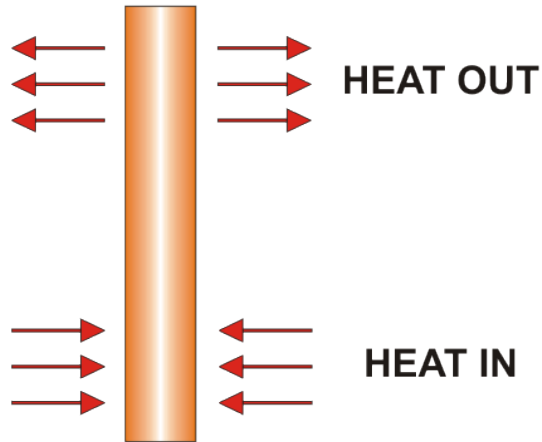


Isobars Are:

- Super-thermal conductors.
- passive devices that require no electrical power.
- available in numerous lengths & diameters.
- manufactured in special geometries.

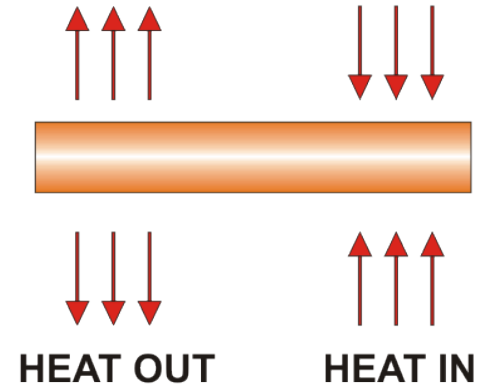
Isobar Operating Conditions

VERTICAL



HEAT INPUT MUST BE BELOW HEAT OUTPUT

HORIZONTAL / INCLINED



HEAT INPUT AND OUTPUT CAN BE ANYWHERE ALONG THE ISOBAR LENGTH

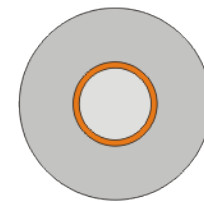
ISOBAR OPERATING TEMPERATURE 5°C - 285°C

Different Types of Isobars

STANDARD:



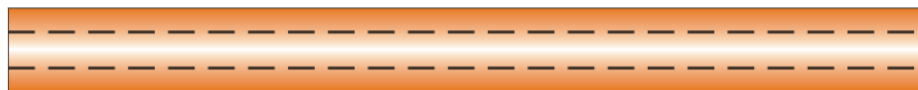
FINNED:



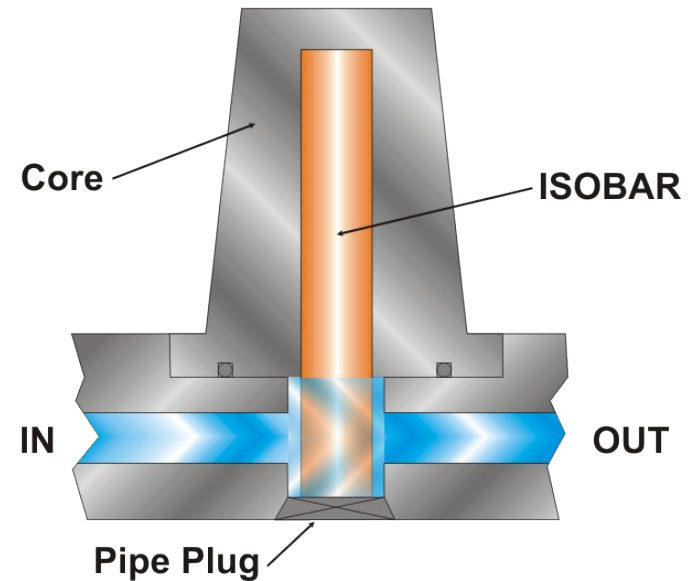
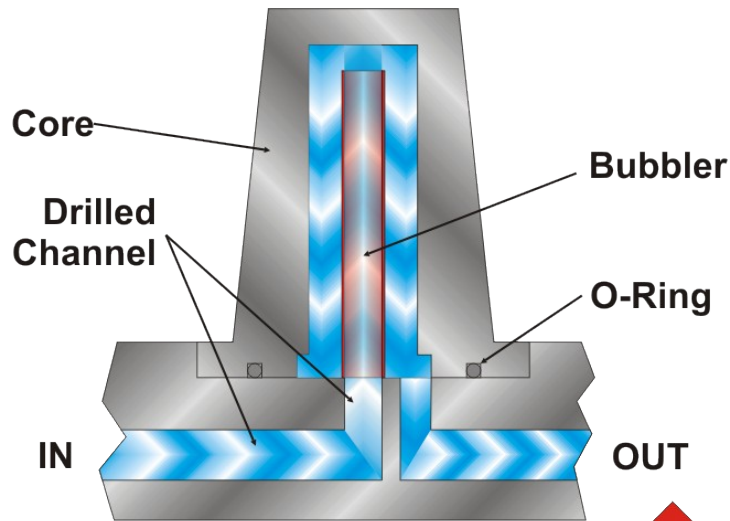
STEPPED:



HOLLOW:



Cooling Cores & Mold Sections with Isobar Heat Transfer Technology for Thermoplastic Molders



Simplified Process

- Isobars do not need to contact the water line directly to effect cooling.
- Isobars can be incorporated into the cooling channel
- And need only be in the proximity of a cooling line to promote effective cooling

Isobar Installation Methods for Cores

