

YOUR VISIBLE VALUE

ALPHA
MARATHON
FILM EXTRUSION TECHNOLOGIES INC.

 **POLYSYSTEM**

BUBBLE CHAMBERS



The Alpha Marathon bubble chamber delivers increased output and improves gauge variation while maintaining simplicity in installation and operation.

The principle of the bubble chamber is to create a shroud for the bubble before the frost line is fully established. The bubble chamber not only isolates the bubble from external elements but maintains a stable pressurization of the air flowing from the air ring. By controlling the air exiting the air ring, there is a reduction of turbulence and an increase of uniform laminar air flow.

Bubble Chamber Benefits

- ❖ Improved gauge variation by shrouding the infant bubble from external elements
- ❖ Increased cooling efficiency by maintaining concentrated air flow on the bubble and improving bubble stability.
- ❖ Actual performance improvements experienced from use of the Alpha Marathon bubble chamber have generally been a 15 - 50% increase in output and significant improvements in gauge variation.

Installation and Operation

The Alpha Marathon bubble chamber is simply bolted to four spacers on the Alpha air ring for quick and easy installation. The bubble chamber requires no electrical hook-ups and requires no energy.

The bubble chamber is adjusted using the iris. The iris adjusts the radial fins to the size of the bubble. A sliding window allows for more control on the air surrounding the bubble allowing for a finer adjustment.

Alpha Marathon bubble chambers offer the versatility to accommodate blow up ratios from 1.2 to 4:1 while maintaining performance improvements.

