A leading manufacturer of world class, high performance Hot Runner Systems, with a wide variety of associated components, has added to its product line a Dual Stage Filter Device.
**MDi Introduces New Dual Stage Filter Device**

The device is mounted between the extruder barrel and the molding machine nozzle. Its unique design allows for two separate melt pathways: one path during injection, where the melt is filtered in two stages and homogenized through a series of decreasing-in-size grooves and openings; and via a separate path during decompression.

### Injection Stage

Decompression occurs with virtually “zero” pressure drop, allowing for a faster and easier decompression cycle. In addition, during decompression, filtered debris will be bypassed and will remain trapped and undisturbed, as the melt follows a separate pathway. There are no springs or components to “stick” or clog up and the filter can routinely be cleaned up, as needed, by simply removing the adapter and purging.

### Decompression Stage

**MDi’s Dual Filter Device’s Exclusive Features Include:**

- A two-stage filtering of contaminants during injection
- Homogenization and mixing of the melt, for uniform color and temperature distribution
- Trapped contaminants remain undisturbed and are bypassed during decompression
- Decompression occurs with “zero” pressure drop
- Easy cleanup

"Because this unique device removes contaminants, it eliminates the need to clean out mold gates and saves precious hours of production that otherwise may be lost due to material contamination," says Panos Trakas, President and Director of Product Development at MDi. “That’s a tangible return on one’s investment.”

For more information, call 800-MDi-ONLY (800-634-6659), or visit www.meltdesign.com. Outside the U.S. dial 1-630-443-4000.