

# Quick-Flo™ Systems

■ For Hi-Cavitation Molding



*RIGHT FROM THE START*

# Productivity and Performance

## Quick-Flo™ Systems

QF systems have been designed specifically for the processing of commodity grade resins used in hi-cavitation molding. Standard system features offer thermal tip and pneumatic valve gate options, shot ranges of 3g-375g, and complete hot half systems.

Quick-Flo™ is available in addition to INCOE®'s proven line of Direct-Flo™ (DF) GOLD hot runner systems, which are designed for the processing of engineered resins commonly used in molding applications such as automotive and technical parts.

## Application and Technical Support

Quick-Flo™ systems address the production challenges and design criteria associated with hi-cavitation molding. Supported by decades of application and hot runner know-how, our engineers provide solutions to meet the unique demands of high volume injection molding. We partner with our customers to help them exceed their expectations, providing direct support in over 35 countries worldwide.

Markets served by QF systems include:

- Caps & Closures
- Medical Disposables
- Packaging
- Pharmaceutical



## Quick-Flo™ Design Features

QF nozzles utilize a compression fit onto the manifold with mold back and retainer plates securing the entire system into a complete injection half. Standard nozzle flow channels are available in 3mm, 5mm and 8mm sizes. The nozzle diameter is compact allowing for excellent pitch dimensions, common in hi-cavitation applications.

## Advanced Control Systems

M Series Temperature Controls are designed to help optimize your QF systems with process monitoring and diagnostic features for added productivity and performance.



## Manifold Technology

QF systems are available with our Opti-Flo® manifolds which utilize the patented\* MeltFlipper® melt rotation technology, developed by Beaumont Technologies Inc.. Offering a "true" rheologically balanced hot runner system, each application is a custom solution designed jointly by INCOE® and Beaumont engineers. Opti-Flo® offers our customers unmatched process and productivity benefits.

Custom manifolds are designed for thermal stability and are geometrically balanced specifically for each application.

Standard manifold configurations are pre-engineered in cavity patterns common to the market served.

Beaumont Technologies Inc. U.S.A. Patents :  
6,077,470; 6,503,438.

## Profiled Heating Performance

Our proven Twin Heater Technology is integrated directly into the nozzle body and profiled for optimal thermal control. Heating elements are connected in parallel to a single set of leads from the heaters. If one element burns out, the redundant heater continues seamless operation until routine maintenance can be performed.

## Hot Half Reliability

QF systems combined with hot half plates are fully assembled, plumbed, wired and tested. They are delivered ready for assembly to the cavity plate at the mold manufacturer.



For more information visit  
[www.incoe.com/quickflo](http://www.incoe.com/quickflo)



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