Direct-Flo™ Gold
Advanced Hot Runner Technology
Direct-Flo™ Gold Systems

DF Gold systems are optimized for technical part molding applications using engineered resins. Based on years of in-field processing experience, DF Gold systems offer increased hot runner performance and robustness while maximizing molder up-time. Standard system features offer the widest range of gating options, shot ranges of 7g-9000g, unitized leak-proof designs, and complete hot halves.

Application and Technical Support

With decades of installed system experience, supported by hot runner know-how, we partner with our customers to help them exceed their expectations. With direct support in over 35 countries worldwide, DF Gold systems are designed for applications in:

- Automotive
- Appliances
- Electronics
- Housewares
- Medical Device
- Caps / Closures
- Packaging
- Housewares
- Medical Device
- Technical
- Caps / Closures
- Packaging

Direct-Flo™ Design Features

DF Gold nozzles are available in both compression fit (DFX) and threaded screw in designs (DFQ) with standard channel sizing ranging between 5mm and 25mm. The DFQ ensures a secure, leak-proof connection to the manifold and facilitates construction of our Unitized Systems.

Longer Multi Zone nozzles use separate, multiple heaters to ensure the heat profile can be precisely controlled. Twin Heater technology features heating elements 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.

Advanced Control Systems

The MV2 Series, M Series and Microcom® Temperature Controls, VGC™ - Valve Gate Control and GSC2™ - Gate Sequence Control, are designed for added productivity and performance with DF Gold systems.

Unitized Hot Runner Systems…
Integration Made Easy

Unitized systems take advantage of INCOE’s DFQ nozzles that thread directly into the manifold, offering a leak-proof connection. The systems are supplied fully assembled, pre-wired and tested. Wiring is encased in robust stainless steel channels for added protection during integration.

Valve gate cylinders mount directly onto the manifold. Hydraulic and water lines are pre-plumbed to an attached plate where quick connect fittings are located. Installation or removal of the system for routine maintenance can now be accomplished in much less time, increasing machine productivity.

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