

► DROP-IN, CONNECT, GO

ALWAYS THE RIGHT CHOICE

The new Fusion-Series G2 drop-in, single point connection design ensures easy installation, faster start-ups, reliable operation and user-friendly maintenance for medium and large part molding applications.

KEY FEATURES

- screw-in, slim profile nozzles
- multiple heater zones per nozzle for optimized thermal profile
- field replaceable nozzle heaters
- integrated leak proof protection
- completely pre-assembled and pre-wired
- quick access to spare parts due to modular standard components

KEY BENEFITS

- simplified mold plate machining
- greater tool integrity as a result of minimal machining required for system interface
- precise temperature control for wide processing window
- rapid 2D and 3D designs resulting in expedited system delivery



▲ Fusion-Series G2 hot-runner system

TYPICAL APPLICATIONS



Industrial Packaging



Electronics

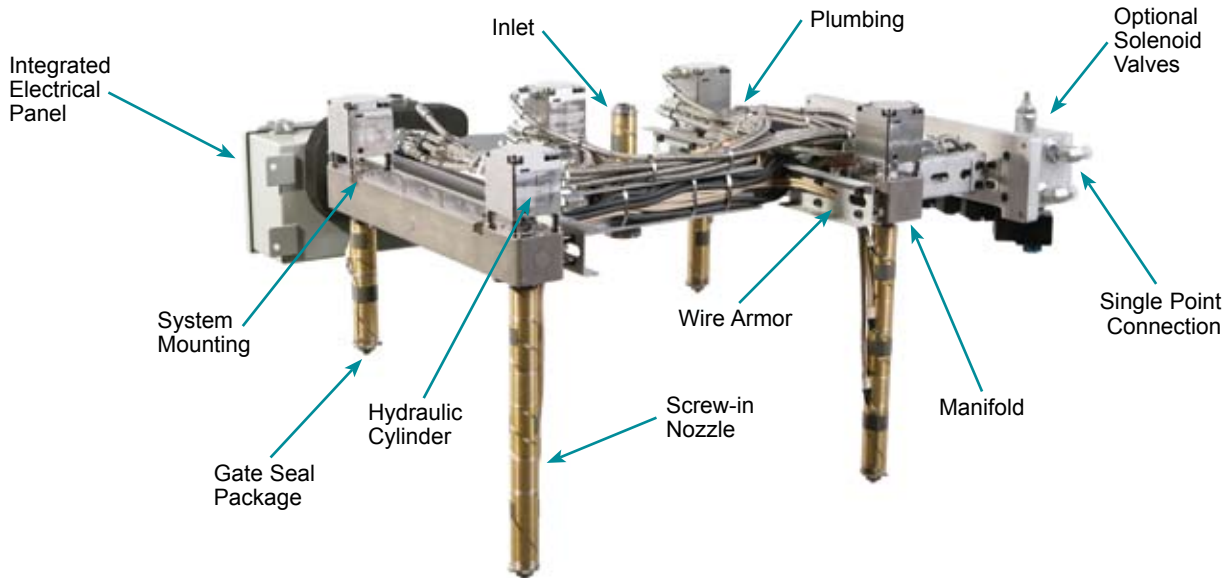


White Goods



Automotive

▶ KEY TECHNICAL FEATURES AT A GLANCE



INLET

- independent length allows for custom plate stack

GATE SEAL PACKAGE

- standard Master-Series gate seal packages are available, i.e. Hot Valve, Hot Sprue, Cylindrical Valve etc.

HYDRAULIC CYLINDERS

- water cooled direct mount unit
- 12.5 mm stroke
- valve pin sizes: 3 mm, 5 mm and 8 mm

MANIFOLD

- Master-Series paste-in heater elements and terminal ends are standard
- contoured manifold plugs provide for smooth manifold to nozzle melt transition

WIRE ARMOR

- manifold mounted wire armor protects and routes electrical and thermocouple wires while providing a stable mounting platform for the plumbing

OPTIONAL SOLENOID VALVES

- externally mounted and pressure regulated solenoid valve bank, allowing for single point hook up at the press and individual control of each cylinder
- available in 24 V DC and 120 V AC
- hydraulic or pneumatic configurations
- individual connections without solenoid valves are also available

PLUMBING AND INTEGRATED ELECTRICAL PANEL

- stainless steel braided hoses with high temp TFE liner
- integrated adjustment allows for the plumbing interface plate and E-Box to move in or out during system installation to ensure a proper fit when mounted to the outside of the tool panel houses and protects all electrical connections, including solenoid plugs
- hinged lid provides easy access to the wiring

SYSTEM MOUNTING

- system is mounted to the cavity via 2 screws per nozzle
- minimal precision machining required

NOZZLES

- screw-in nozzles, threaded directly to the manifold

SPECIFICATIONS

	Approximant Shot Weight per Gate	Available Nozzle Lengths	Melt Flow Channel in the Nozzle	Valve Pin Diameter	Minimum Hydraulic Pitch Spacing	Minimum Pneumatic Pitch Spacing	Minimum Manifold Spacer Plate Thickness
Fusion-Series F4000	15 ~ 50g	80mm ~ 325mm	S Ø6mm / V Ø8mm	Ø3mm	75mm x 75mm	75mm x 75mm	155mm
Fusion-Series F5000	50 ~ 500g	80mm ~ 335mm	S Ø8mm / V Ø11mm	Ø5mm	75mm x 75mm	90mm x 90mm	155mm
Fusion-Series F6000	500 ~ 3500g	80mm ~ 550mm	S Ø12mm / V Ø16mm	Ø8mm	75mm x 75mm	90mm x 90mm	160mm