

Single Nozzle Valve Gate

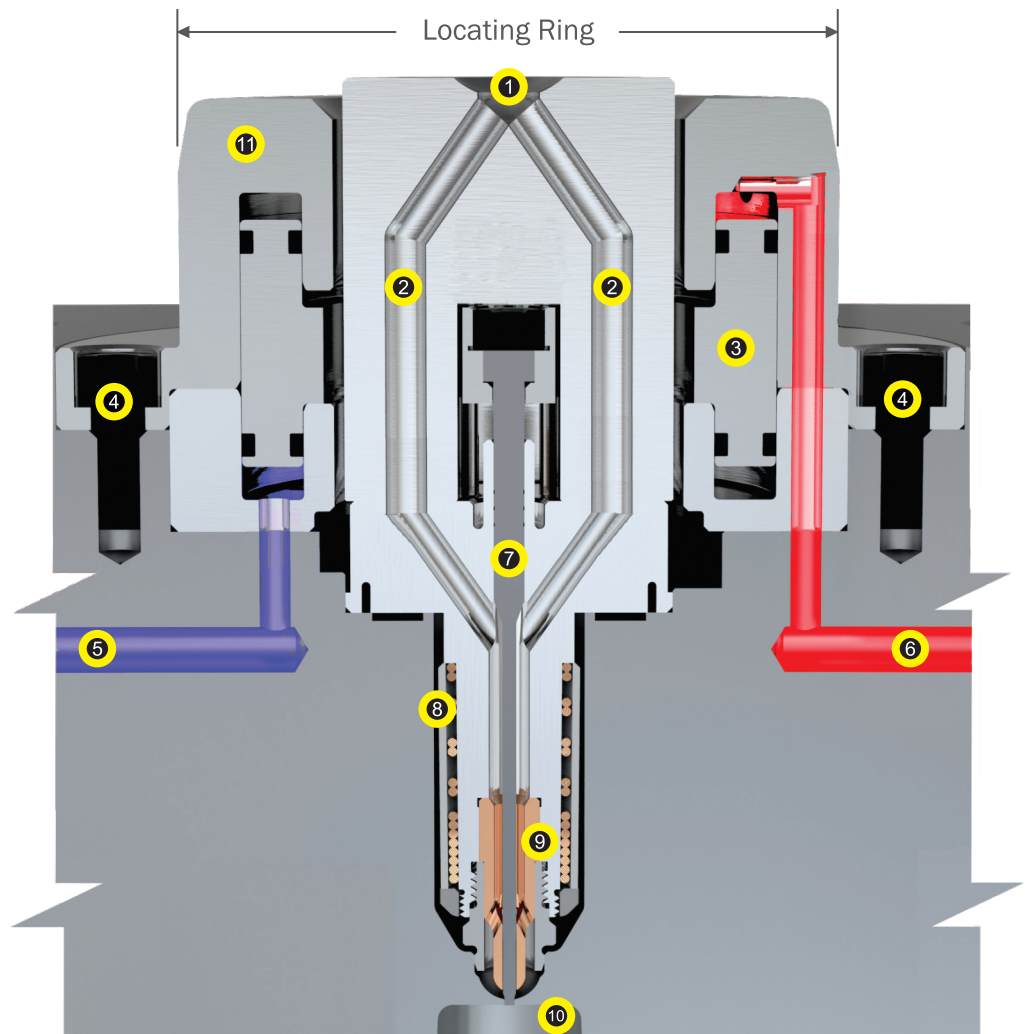
POLYSHOT[®]
Hot Runner Systems

Polyshot has raised the bar on "in line" pneumatic direct valve gating. With its extremely high pin force of 400 lbs. The Polyshot Single Nozzle Valve Gate makes light work of processing the most highly filled and unfilled commodity resins. In a unique feat of engineering, it places the pneumatic actuating cylinder within the integrated mold locating ring.

The Polyshot Single Nozzle Valve Gate System is designed to be the most compact and mechanically reliable unit available.

We accomplish this by using fewer components than the competition and containing the activation within the mold locating ring. We have also designed all components to move in an inline action which greatly reduces wear.

We have manufactured this unit with the customers needs in mind. With its' compact size and the ability to easily change nozzles, it can be used for a variety of applications. So whatever your production needs are, whether it be a high production mold or prototype tooling, the Polyshot Single Nozzle Valve Gate has you covered.



- ① Machine Nozzle Sealing Radius
- ② Material Flow Paths
- ③ Pneumatic Powered Piston Within Locating Ring
- ④ Mounting Screws
- ⑤ Air Input To Open Pin
- ⑥ Air Input To Close Pin
- ⑦ Valve Pin
- ⑧ Profiled Heater
- ⑨ Accutrak Insert
- ⑩ Customers Molded Part
- ⑪ Locating Ring Cylinder Assembly

Even Challenging Materials with High Processing Temperatures Flow with ease!



PC/ABS

ULTEM 2200

ULTEM 1000

OUR SINGLE NOZZLE VALVE GATE IS DESIGNED FOR:

- Direct gating of parts from 10 to 500 grams depending on the nozzle selected
- Both engineering and commodity resins, filled and unfilled
- The processing of high temperature resins
- Clean room applications

FEATURES HIGHLIGHTS:

- Entire Assembly Contained Within Locating Ring
- No Cams or Levers for optimum fit and carefree maintenance
- Air Powered Piston System
- Interchangeable Nozzles

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