Precision gating where it’s needed
narrow profile with a deep range:
New DF nozzles with MultiPower heaters
Key data
- MP heaters with MultiPower design for the Direct-Flo product range
  - MP16 for DF 8 nozzle series
  - MP24 for DF 12 nozzle series
  - MP32 for DF 18 nozzle series
  - MP38 for DF 22 nozzle series

Design
- Heater coil in a metal sleeve, fully enclosed
- MultiPower design = One heater with two space-saving integrated heater zones
- Two grooves for thermocouples per heater zone
- Fixing clip for thermocouple
- Central compact cable outlet on the nozzle head
  - TC1/TC2: Thermocouple zone 1 and 2
  - PZ1/PZ2: Power zone 1 and 2
  - GRD: Grounding

Benefits
Design, production and assembly
- Simpler cutout geometry lowers mold cost → a)
- Increased freedom in mold design
- Simple heater installation via snap ring
- Thermocouple is easy to change
- Centering ring ensures the safe installation of the nozzle into the mold cutout

Operation
- Optimized thermal control over the entire length of the nozzle with low energy consumption
- Second thermocouple groove facilitates the installation of a spare thermocouple
- Increased stability of the mold through less milling
- Combined with the HEM miniature hydraulic actuator, this creates an extremely compact and strong valve gate unit → b)

Gating
- Injection points are feasible in a confined space
- Gating deep into the mold is possible
- Space-saving gating for the back molding of base materials, such as fabric or natural fiber mats