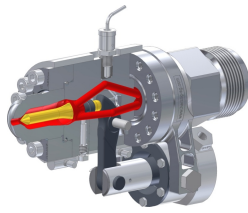


Machine nozzle technology for thermoplastic and elastomer processing

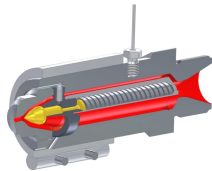
Machine nozzle with shut-off system



Needle shut-off nozzle type HP Pneumatically or hydraulically controlled

Max. injection pressure 3000 bar / 400°C

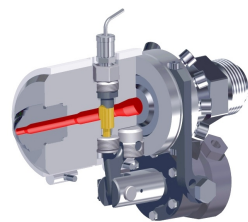
- Needle closes the nozzle orifice
- Modules: filter, mixer, GIT, MuCell®, process control with shut-off monitoring, alternative tip heating



Needle shut-off nozzle type A (S) Spring operated

Max. injection pressure 2000 bar / 350°C

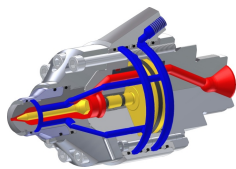
- Option: filter



Bolt shut-off nozzle type BHP Pneumatically or hydraulically controlled

Max. injection pressure 3000 bar / 400°C

- Single flow channel design
- Modules: filter, mixer, process control with shut-off monitoring, alternative tip heating

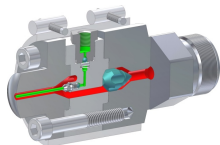


Tempered needle shut-off type E Active pneumatic system integrated

Max. injection pressure 2500 bar / -20°C to +180°C

- For thermoplastic elastomers, liquid silicone rubber (LSR)
- Integrated tempering system over the complete length

Gas Injection Technology (GIT)



Machine nozzle type GM for the Gas injection process

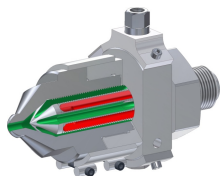
- Can be applied without machine nozzle
- Adaptable to all machine nozzle types



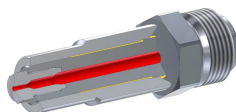
Mold injector for the Gas injection process

- Quick installation
- High endurance

Machine nozzle without shut-off system

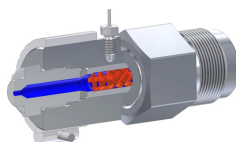


Filter according to the gap principle With or without flushing



Heat conducting extension

One-piece or with exchangeable tip



Static X-Mixer