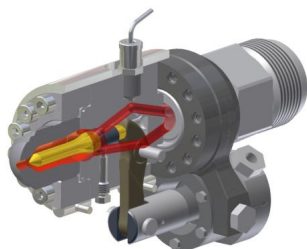


Machine nozzle technology for thermoplastic and elastomeric processing

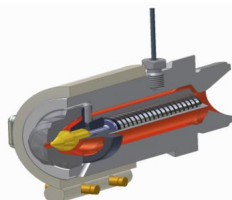
Machine nozzle with shut-off system



**Needle shut-off nozzle type HP**  
**pneumatically or hydraulically controlled**

max. injection pressure 3000 bar / 400°C

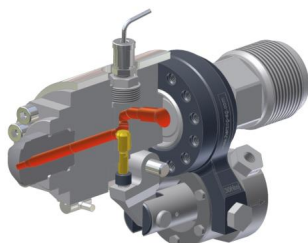
- Needle closes at the orifice
- Options: Filter, Mixer, GIT, MuCell®, Process control with shut-off monitoring, alternative tip heating options



**Needle shut-off nozzle type A**  
**Spring operated**

max. injection pressure 2000 bar / 350°C

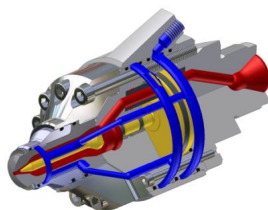
- Option: Filter



**Bolt shut-off nozzle type BHP**  
**pneumatically or hydraulically controlled**

max. injection pressure 3000 bar / 400°C

- Single channel design
- Low pressure drop
- Good self-cleaning function
- Options: Filter, Mixer, Process control with shut-off monitoring, alternative tip heating options



**Elastomer nozzle, tempered**  
**active pneumatic system integrated**

max. injection pressure 2500 bar / -20°C to +110°C

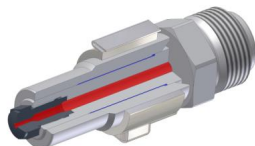
- especially for liquid silicone rubber (LSR) applications
- integrated tempering system over the whole length

Machine nozzle (open)



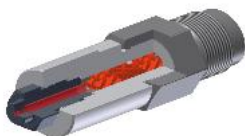
**Filter - gap filter principle**

- With or without rinsing



**Machine nozzle with heat conducting extension**

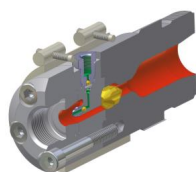
- one-piece or with exchangeable tip



**Static X-Mixer**

GIT

(GasInjectionTechnology)



**Machine nozzle type GM** for the Gas-Injection process

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



**Mold injector** for the Gas-Injection process

- Quick installation
- longevity