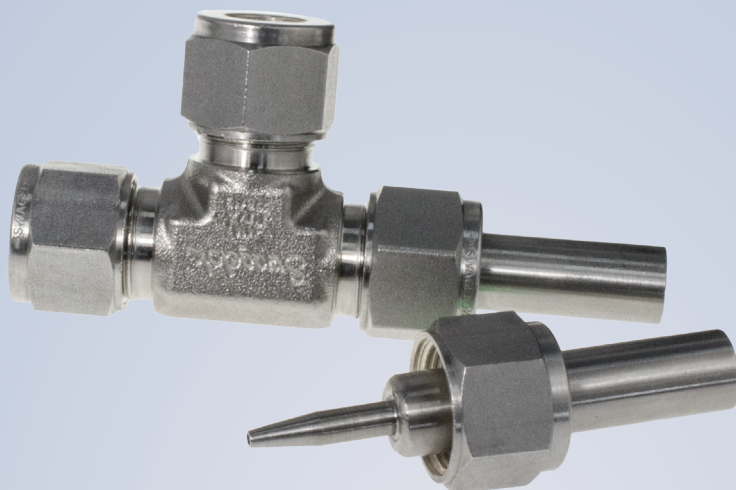


Injector pump

Type IP.12mm

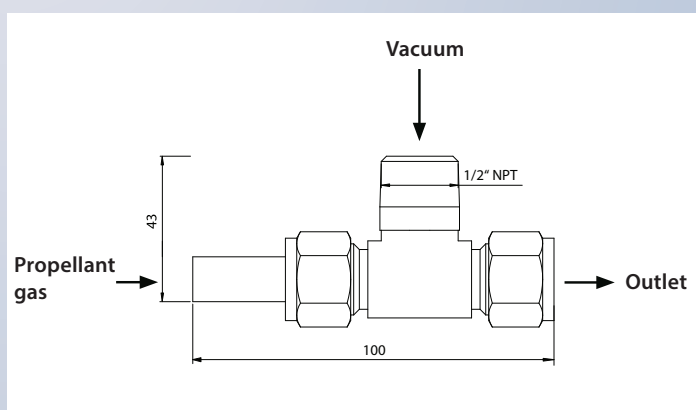


The Injector pump of the series IP.12mm is developed for gas suctioning. Depending on the nozzle diameter a weak to medium vacuum can be achieved. The injector pump consists of a modified Swagelok® T-piece into which a nozzle of stainless steel is integrated. Three different nozzle diameters (0.9; 1.5 and 2.0 mm) are available. On request, further sizes can be provided.

Technical data

- Operating temperature: -200°C to +240°C
- Flow: see diagramm
- End vacuum: see diagramm
- Gas connections:
 - Series IP.12mm 12 mm pipe fitting
- Material T-piece: 316L
- Material nozzle: Stainless steel 1.4301
- Material propellant tube: Stainless steel 1.4301
- Weight: ca. 210 g

Dimensions and connections



Digital form at:
www.cgs-company.de/downloads/MDZ_E_D_IP12.pdf

MDZ_E_D_IP12_1.1

Injector pump

Type IP.12mm



Diagrams

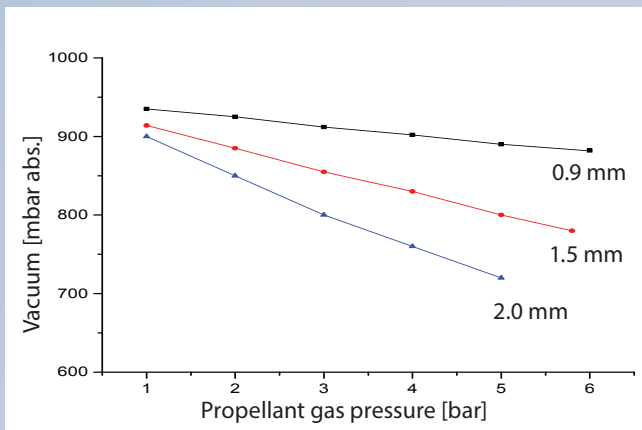


Figure 1: Vacuum depending on propellant gas pressure for each of the different nozzle diameters

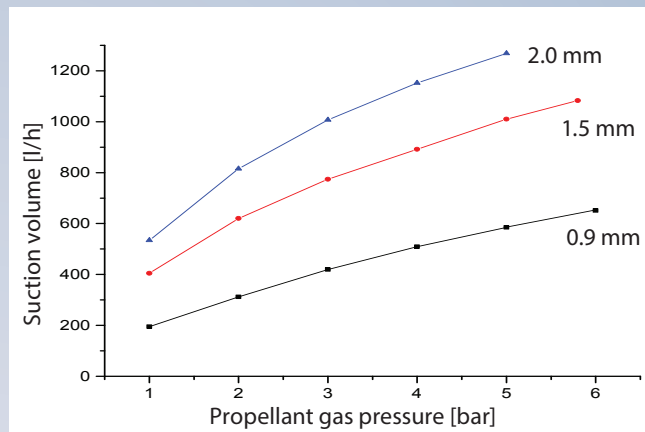


Figure 2: Suction volume depending on propellant gas pressure for each of the different nozzle diameters

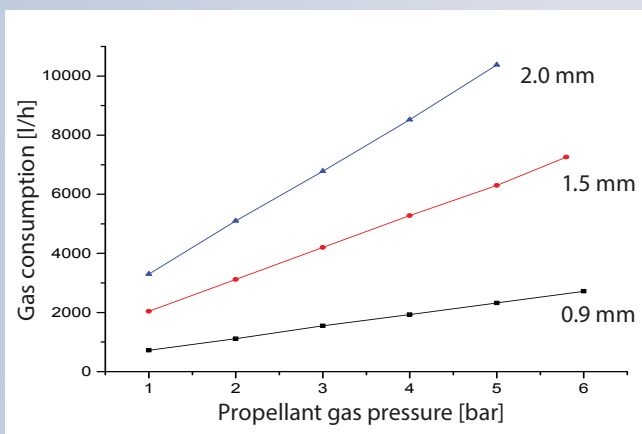
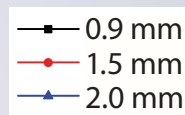


Figure 3: Propellant gas consumption depending on propellant gas pressure for each of the different nozzle diameters



Legend

Order numbers

Product:

- Injector pump 0.9 mm; T-Version; 2x 12 mm clamp ring; inlet 1/2" NPT 1036461
- Injector pump 1.5 mm; T-Version; 2x 12 mm clamp ring; inlet 1/2" NPT 1036462
- Injector pump 2.0 mm; T-Version; 2x 12 mm clamp ring; inlet 1/2" NPT 1036463

Order No.:

Spare parts

Product:

- Nozzle; Injector nozzle; AD=9.8 mm; id=0.9 mm; L=26 mm 1037191
- Nozzle; Injector nozzle; AD=9.8 mm; id=1.5 mm; L=26 mm 1037192
- Nozzle; Injector nozzle; AD=9.8 mm; id=2.0 mm; L=26 mm 1037193

Order No.: