

Injector pump

Type IP.6mm / IP.1/4"

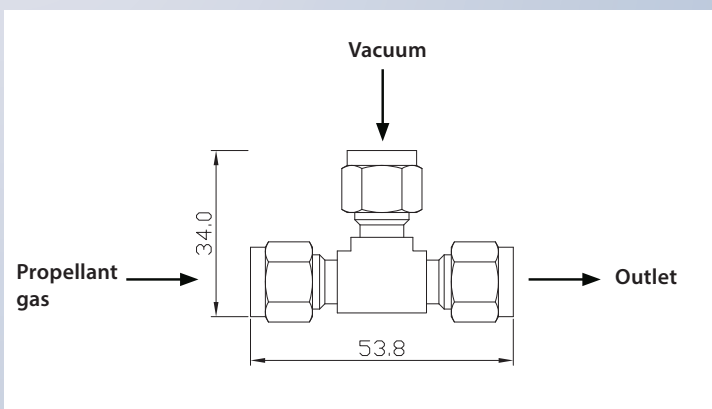


Injector pumps of the series IP.6mm or IP.1/4" are developed for gas suctioning. Depending on the nozzle diameter a weak to medium vacuum can be achieved. The injector pump consists of a modified Swagelok® T-piece into which a nozzle and a jet pipe made of fibre-glass reinforced polyphenyl sulphide (PPS-GF) are integrated. Four different nozzle diameters (0.2; 0.3; 0.5 and 0.8 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.6mm 6 mm pipe fitting
 - Series IP.1/4" 1/4" pipe fitting
- Material T-piece: 316L
- Material nozzle: Polyphenylen sulphide (PPS-GF)
- Material propellant tube: Polyphenylen sulphide (PPS-GF)
- Weight: ca. 60 g

Dimensions and connections



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

MDZ_E_D_IP_1.1

Injector pump

Type IP.6mm / IP.1/4"



Diagrams

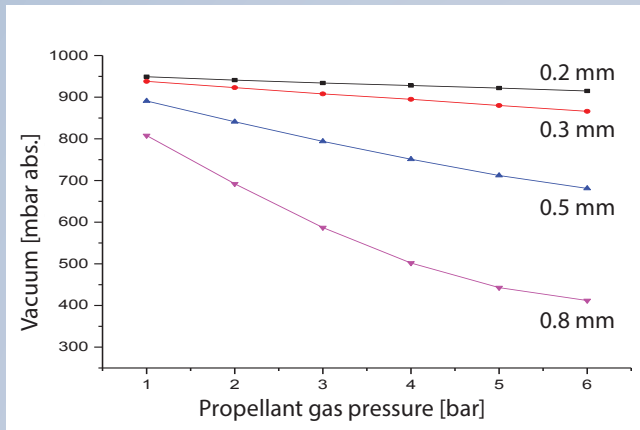


Figure 1: Vacuum depending on propellant gas pressure for each of the different nozzle diameters

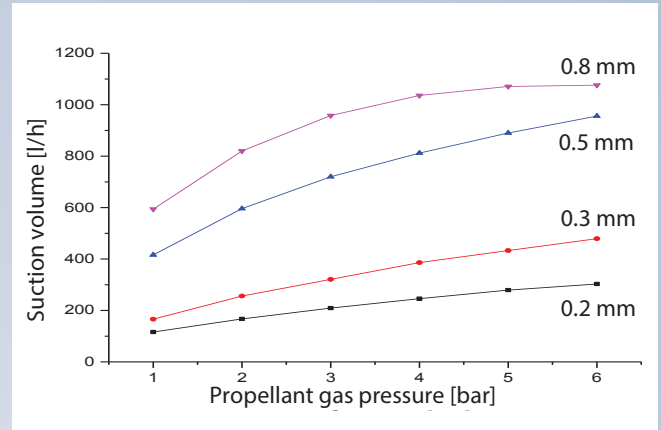


Figure 2: Suction volume depending on propellant gas pressure for each of the different nozzle diameters

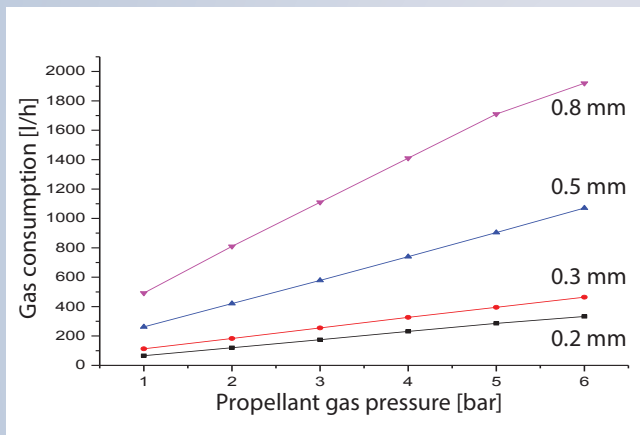
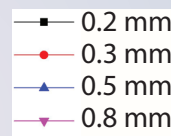


Figure 3: Propellant gas consumption depending on propellant gas pressure for each of the different nozzle diameters



Legend

Order numbers

Product:

- Injector pump 0.2 mm; T-Version; 3x double ferrule fitting 6 mm
- Injector pump 0.3 mm; T-Version; 3x double ferrule fitting 6 mm
- Injector pump 0.5 mm; T-Version; 3x double ferrule fitting 6 mm
- Injector pump 0.8 mm; T-Version; 3x double ferrule fitting 6 mm
- Injector pump 0.8 mm; T-Version; 3x double ferrule fitting 1/4"

Order No.:

1037207
1037206
1037205
1026930
1026931

Spare parts

Product:

- Injector pump; Nozzle 0.2 mm
- Injector pump; Nozzle 0.3 mm
- Injector pump; Nozzle 0.5 mm
- Injector pump; Nozzle 0.8 mm
- Injector pump; Jet pipe; 2.3 mm

Order No.:

1037204
1037203
1037202
1026928
1026929