

Gas Injector Pump GIP

Gas Injector Pump series GIP

Version I, II and III

Special Features

- **Corrosion resistant, made of stainless steel and FKM**
- **Gas tight**
- **Maintenance free**
- **3 types with different capacities**
- **Compact design**

Application

The compact gas injector pumps type I, II and III are suitable for sampling air, gases and vapours in a temperature range between +5 and 180 °C [41 and 356 °F].

The pump capacity is adapted to the requirements of the gas analysis technique.

The pumps can be operated in all applications, where e.g. diaphragm pumps are not suitable.

Description

The gas injector pumps series GIP work absolutely lubricant free, gas-tight and maintenance-free. Three types GIP I, GIP II, GIP III with different capacities are available. All parts of the pump in contact with the sample are made of corrosion resistant material stainless steel and FKM.

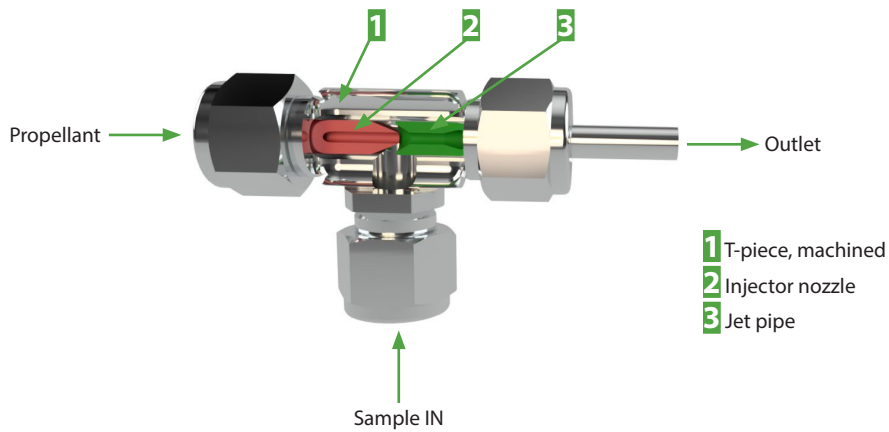
The capacities for the 3 types at 3 bar are approximately:

GIP I : 200 l/h

GIP II : 400 l/h

GIP III: 800 l/h

These data can vary because of manufacturing tolerances. Therefore every delivered pump will have its own data table for the pump capacity depending on the propellant pressure and process pressure.



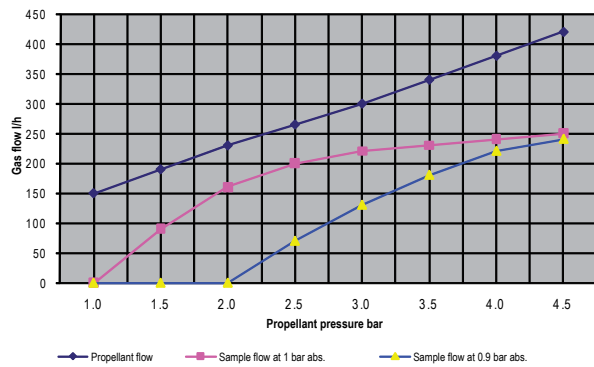
Technical Data

Pump series GIP	GIP I	GIP II	GIP III
Part No.	04P1000 (please indicate type GIP-I, II or III with order)		
Capacity max. at 3 bar	200 NI/h*	400 NI/h*	800 NI/h*
Max. back pressure at the outlet	1.2 bar abs.		
Sample and ambient temperature	+5 to 180 °C [41 to 356 °F]		
Storage temperature	-15 to +60 °C [5 to 140 °F]		
Gas connections	Propellant/sample IN: for tube 6 mm, outlet: 6 mm tube		
Material of parts in contact with the sample	1.4404, 1.4571, FKM		

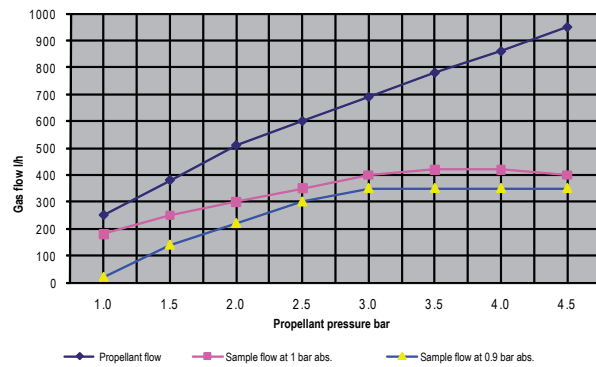
* Data may vary due to manufacturing tolerances.
On request, the gas injector pump is also available in the materials PEEK, PVDF, titanium and Hastelloy®.

Pump capacity depending on the propellant pressure

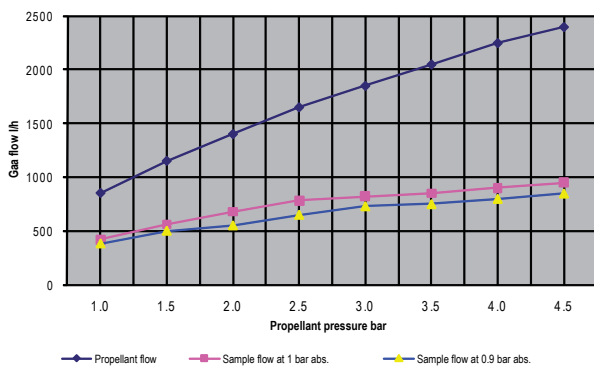
GIP I



GIP II



GIP III



The determined flow rate refers to an outlet back pressure of 1.1 bar abs.
Data may vary due to manufacturing tolerances.