

EN



# GiGas – technical data sheet

Modular nitrogen injection unit

GiGas, the nitrogen injection unit that can be adapted to your needs

# Uncompromising modularity



Modular



Transportable



2 or more outputs



Remote connection



Remote assistance



Industry 4.0



## Exploit the potential of your plant

The modularity of GiGas allows you to configure the system exactly as you need it, saving time and resources. Each add-on module expands your possibilities, without ever compromising efficiency.

Modular unit for injection of nitrogen in plastic moulding.

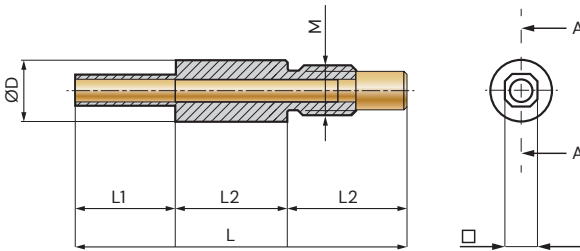
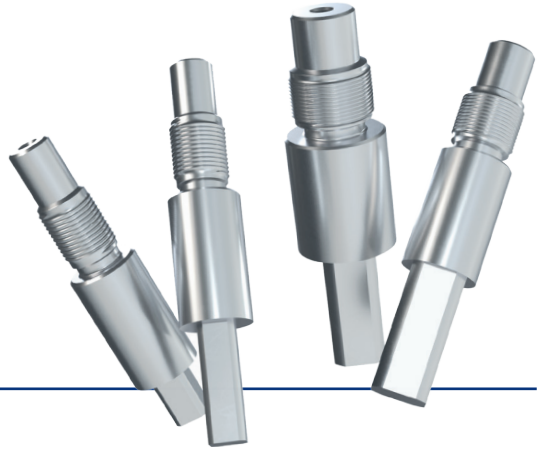
It offers the possibility to distribute and install the modules in the most convenient points as well as use on the transport trolley as a usual control unit.

The Ethernet connection and the integrated VNC server allow remote control of the display functions on the press panel or in another factory PC.

Model	GiGas-02	GiGas-04
Number of valve Modules	1	2
Number of valves	2	4
Expandable	Yes	No
Cable length between modules	6 m	6 m
Type of adjustment	Closed loop	
Maximum inlet pressure	350 bar	
Maximum pressure at outlet	300 bar	
Precision	+/- 1% of full scale	
Power supply	220v 2P+T 50-60Hz 500VA	
Noise	< 70 dB(A)	
Working temperature	5 °C to 50 °C	
Display	Mobile 10" colour touch screen STFT	
USB port	1 on mobile terminal	
Ethernet	1 RJ45 on control module	
Ethernet services	VNC server / FTP server	
Pressure display	Graphics with set and real curves with update in real time	
Digital inputs	4	
Digital output	2	
Length of programme	7 steps	
Maximum time per step	99.9 s	
Number of programmes which can be stored	Infinite	
Languages available	Italian/ English	
Cycle start signal	Digital with programmable delay	
Module dimensions	L340 x P340 x h255 mm	
Dimensions on trolley	L450 x P480 x h1255 mm	
Weight module control	10 Kg	
Valve module weight	25 Kg	
Total weight on trolley	65 Kg	90 Kg

# Gas injection nozzles

## UGL series



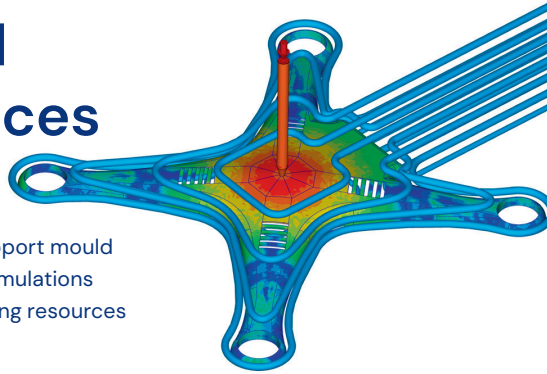
**Material: stainless steel**

On request, we can also produce models with special measures and couplings with ejectors or ejectors sleeve, as well as dynamometer screwdrivers and adapters.

mm	UGL4.3	UGL4.4	UGL4.8	UGL5.5	UGL5.10	UGL6.10
L	18	22,5	26,5	24,0	29,0	29,0
L1	3,0	4,0	8,0	5,0	10	10
L2	5,5	9,0	9,0	9,5	9,5	9,5
L3	9,5	9,5	9,5	9,5	9,5	9,5
D	5,0	5,5	5,0	6,0	6,0	8,0
M	M4	M4	M4	M5	M5	M6
□	2,5	2,5	2,5	4,3	4,3	4,3

The company

# Engineering and simulation services



From the product idea to production, we support mould makers and printers through analyses and simulations with the aim of optimising process times, using resources efficiently and keeping costs down.

## 3 Reasons to Choose Moulding Devup

### 1. Certainty of Mould Costs

The investment in moulds can be considerable, Moulding Devup ensures that costs are accurately estimated from the design stage to avoid having to revise accounts only at the production stage.

### 2. Reduction of processing Time

Moulding Devup plays a crucial role in optimizing time, identifying potential problems and obstacles in design and production at an early stage, allowing for timely corrective action.

### 3. New Materials and Behaviours

New materials bring new challenges, even for the most experienced mould makers. Moulding Devup allows the understanding and prediction of the behaviour of these new materials.



Our expertise in using simulation and analysis tools translates into a competitive advantage for companies that want to achieve excellence in mould manufacturing and moulding.

**Moldex3D**  
MOLDING INNOVATION

For more information, please visit  
 [mouldingdevup.com](https://mouldingdevup.com)

 [mouldingdevup.com](http://mouldingdevup.com)

Galvagni Moulding Devup s.r.l.  
via Marco Corner 2 - 36016 Thiene (VI)  
+39 0445 513005  
[info@mouldingdevup.com](mailto:info@mouldingdevup.com)  
[www.mouldingdevup.com](http://www.mouldingdevup.com)



Preferred collaborator of Moldex Italia

**Moldex3D**  
MOLDING INNOVATION