

**Product information**

**Series RAPIDE**

**Gas filling machine**



## Unique acceleration

A precise control of the filling process is particularly important for large IG units. Consequently, we have developed the universal “RAPIDE” fast gas filling series.

Physically and aerodynamically, we reach with these machines the maximum capacity.

The gas concentration is measured and displayed continuously during the entire filling process. The filling process is finished automatically as soon as the desired gas concentration is reached.

A gas analyser, especially developed for this purpose by HELANTEC, monitors the filling process online. The gas analyser is suitable for all gas types (argon, krypton, xenon) and gas mixtures used in the insulating glass industry.

Only high quality components are used in our machines. This results in low maintenance costs. Yearly inspection is not required.

## Highlights

Gas sensor:

- long lasting (more than ten years usually)
- suitable for all gases (argon, krypton, xenon)
- high precision for reliable and consistent quality
- maintenance free

Automatic size recognition

- reduced gas need
- guarantees stable gas concentration
- reduces user mistakes
- optimised cycle times

Simple use

- Easy start with start button or pedal switch
- One-button calibration (takes only 10 seconds) [VIDEO](#)



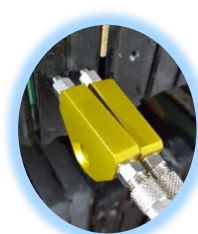
Up to four gas inputs



automatic size detection



high quality components



prepared for triple IGU

## IPC (Integrated Process Control)

With IPC you can set the desired gas concentration individually. A label that lists the most important characteristics can be printed for each IG unit – as a quality mark. The visualisation of the filling process informs the user about the current progress during each gas filling process.

In the option HIGH LINE, automatically and without any additional effort, all fillings or any IG unit are recorded. The barcode of each individual IG unit can be read for identification and tracking. All data can be retrieved directly from network. The integration into in-house quality management systems is possible in a breath.



## Scope of delivery

Set of hoses including filling probe and suction probe

Samples of sleeves and stoppers and corners

Bottle pressure regulator

Connection hose to gas bottle

Spare particle filter

Spare filling lance

Power cable

Set of fuses

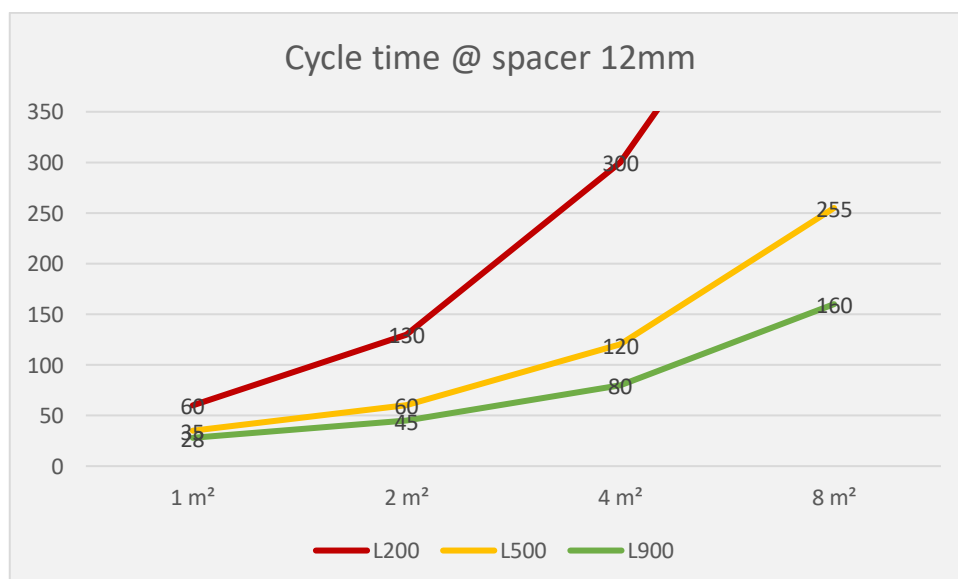
Operating manual



## Specification

	RAPIDE L200			RAPIDE L500	RAPIDE L900
Filling lines	1		2	1 / 2	1 / 2
Capacity m <sup>2</sup> DGU	400		800	600 / 1200	800 / 1600
Cycle time m <sup>2</sup> 12mm	60 s			35 s	28 s
Cycle time 4m <sup>2</sup> 12mm	300 s			120 s	80 s
Gas inputs	1			2	4
Gas analyser per line	✓			✓	✓
Concentration display	LED	LCD	LCD	LED + LCD	LED + LCD
Gas supply control	✓			✓	✓
Adjustable stop value	Fixed 90%	✓	✓	✓	✓
IPC	✗	ECO LINE	ECO LINE	HIGH LINE (optional)	HIGH LINE (optional)
- Documentation	✗			✓	✓
- Network	✗			✓	✓
- Barcode	✗			✓	✓
- Label printer	✗	✓	✓	✓	✓
Voltage	110-230 VAC			230 VAC	230 VAC
Power	50 W		110 W	450 – 1000 W	550 – 1000 W
Dimension (L x W x H) mm	280 x 350 x 320		500 x 350 x 320	490 x 550 x 580	490 x 550 x 800
Weight	10 kg		16 kg	40 kg / 65 kg	55 kg / 100 kg

## Capacity



## Options / Accessories

### ◆ Integrated process control (IPC) ◆

- Graphic display of the gas filling
- Protocol of each gas filling process
- Integrated FTP-Server
- Enables remote access
- Several diagnoses tools

### ◆ Pedal switch ◆

- Easy start of filling process by foot
- Safe time when you don't have to go to the machine
- Cable length 3.5m

### ◆ Distribution arm ◆

- Guides the hoses overhead
- Hoses can't touch the floor
- Saves probes from breakage
- Includes holder for probes

### ◆ Label printer ◆

- Proofs the quality of the gas filling
- Shows your customer reliability
- Label size 110 x 70 mm
- IPC required

### ◆ Barcode reader ◆

- Reads any barcode and stores in statistic
- Full tracking of each DGU
- Industry standard
- IPC required, not L200

### ◆ Probes ◆

- Different diameters for specific demands
- Special shapes for certain application

### ◆ Sleeves and stoppers ◆

- Prevents desiccant from falling into the air space
- Different sizes available
- For all types of spacer bar

### ◆ Edge deletion wheels ◆

- Remove LOW-E coatings
- Long lasting materials
- Different types available
- Compatible with all cutting tables