

Helantec GmbH, D-76646 Bruchsal
Gasanalysengeräte und -systeme

Product information

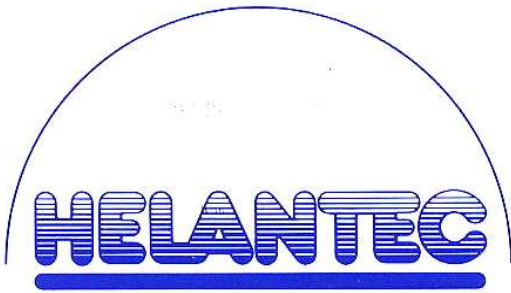
gasfilling-machine - type STANDARD



Application

This gasfilling-machine is used to fill gas into insulation glass-windows. Suitable for all gases such as Argon, Krypton, Xenon, SF₆, mixtures.

filling-speed	10 liters per minute – fixed flow
filling-lines	4
techniques	microprocessor-controlled
input-pressure	2 - 3 bar
pressure-control	optical and acoustic
min. input-pressure	appr. 0,8 bar
analyser	1 with sampling-system and pump



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accuracy of the analyser	< 2%
concentration display	with LEDs - online
stop-value	76 – 100 % adjustable
calibration	1 x per week – semi-automatic
gasfilling-lance	4 inclusive (4,0 mm)
gas-output-lance (sniffer)	1 inclusive (4,0 mm)
capacity	appr. 400 units / 8 hours / 10 liters

Options

foot pedal

bottle pressure regulator

distribution-arm-system
(1 vertical with 3 flexible horizontal arms)

driller tool (5 mm)

REMARKS

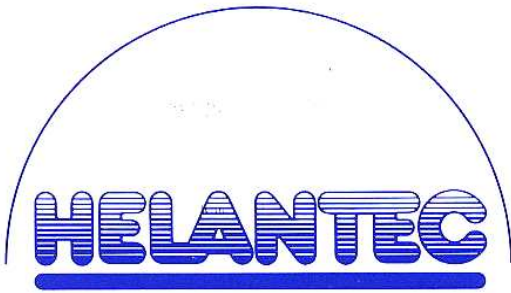
This gasfilling-machine type STANDARD has 4 filling-lines. It consists of one gas-analyser and one pump (to take of the gas to the analyzer) with one sniffer.

The handling is as follows:

- You fill simultaneously up to 4 units with gas.
- You fit at the top of one unit the sniffer and the gas-concentration will be displayed during the filling-process.
- When the adjusted stop-value is reached (f.i. 90%) the complete filling-process will be stopped at all filling-lines.
- You close the finished unit by a stopper and start the filling-process again by adapting the sniffer to the next unit.
- When it has reached the adjusted stop-value it stops again and you repeat the above procedure again.

The advantage of this filling-method is:

- ❖ Low-cost



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- ❖ High quality gas-analyser which is linearized and very accurate
- ❖ Calibration process once a week only (f.i. Monday morning)
- ❖ Usable for all type of gases
- ❖ Very quick response time
- ❖ Stop-value can be adjusted individually
- ❖ a.s.o.

Because we use an linearized analyser and we pump gas to the analyser, the response time of the analyser (gas-concentration) is accurate and quick (f.i. 2 seconds). This allows us to fill simultaneously up to 4 units and to check the gas-concentration without time-delay. Even more it allows us to check the gas-concentration during the filling-process.