

# Advanced Gas Cabinet Solutions

GAS'BOT SMART cabinets offer a cost-effective solution at prime quality standards, realizing best in class CoO (Cost of Ownership). The construction is optimized for economic efficiency without making any compromise to safety nor quality.

SMART is fully automated featuring a PLC with a touch screen display. Preinstalled service routines ensure optimized purging of lines for safe cylinder exchange procedures.

## Safety first

A precise selection of dedicated components and many years of experience enable SEMPA SYSTEMS to build best in class gas systems of the highest quality combined with an unsurpassed level of safety. A unique TUV approved feature of SMART is the very cost effective over pressure protection.

## Economically optimized

SMART supplies inert or specialty gases to point of use. It is designed for functionality and economically optimized making it the right choice for lab environments and small scale production.

The operator friendly design features a safety window making visual inspections and manual pressure gauge operations efficient and safe.

## Customized to your needs

GAS'BOT's are available in three basic versions meeting different process needs and budgets. Any system can be adapted very precisely to your requirements through a variety of available options.

Complete your GAS'BOT with ECS1, the Emergency Cylinder Shutter – an add-on safety device optionally available for all GAS'BOT versions.



## SMART Features

- PLC automated single cylinder cabinet
- Emergency stop with automated shut off valve
- Novel over pressure protection
- Cost optimized design

## Configure your GAS'BOT

Many options help to configure the system exactly to your application and type of gas:



### Unsurpassed Safety

- Proven Gas, Smoke, UV-IR Sensors
- Design according ATEX where applicable
- SEMI S2 certification
- Coax tubing and monitoring
- Overpressure protection



### Gas specific Solutions

- Low gas pressure optimization
- Cylinder, panel, trace heating and cooling
- High flow systems
- High alloy steel design for corrosive gases
- Cylinder scales
- Abatement solutions

Please contact us to customize your GAS'BOT. Our experienced engineers will be happy to assist you.

## Your GAS'BOT for every application

GAS'BOT is available in three basic versions meeting different process needs and budgets.

For any question or to check out PRO and EXPERT visit us at [www.sempa.de](http://www.sempa.de) or contact us [sales@sempa.de](mailto:sales@sempa.de)

## Technical Data

### Dimensions:

450 (w) x 2210 (h) x 600 (d)

### Weight:

~220 kg

### Electrical Connection:

110 - 240 V-AC

50/60 Hz NSV

### Inlets:

1 x 1/4" VCR Purge Inlet (5-7 bar)

1 x 1/4" Swagelok Connection dry  
pneumatic air

### Outlets:

1 x 1/4" VCR Process line

1 x 1/2" VCR Venturi

1 x 101,6 x 1,2 mm Exhaust

