

NEG POWER MINI



HIGHLIGHTS

Input:

- Supply voltage: 100-240 V_{AC}, ±10%
- Frequency: 50-60 Hz, ±10%

Output:

- Power: 175 W
- Overload protection
- Voltage: 0-35 V_{DC}
- Current: up to 5 A

Dimensions:

- 3U 28TE, depth 270 mm

Weight

- 1.6 kg

Main features

- Single controller for activation/conditioning of low-power SAES NEG pumps
- Tunable output voltage, ramp time, power off time
- Temperature monitoring of NEG pumps equipped with thermocouple
- Local control by push buttons
- Remote control with Modbus protocol (LAN/RS232)
- Free Windows and Linux remote control software
- Start/Stop from I/O interface
- Interlock
- USB port for automatic data logging



making **innovation happen**, together

www.saesgroup.com
neg_technology@saes-group.com

D.VS.139.2.20

Single controller for low-power SAES® NEG pumps

NEG POWER MINI is a single-channel electronic unit specifically designed to control the activation and conditioning processes of low-power SAES NEG pumps (see the table below).

NEG POWER MINI provides:

- Adjustable DC voltage, up to 35 V
- Current up to 5 A
- Power up to 150 W
- LAN remote control

NEG POWER MINI can be operated locally by push buttons, or can be remotely controlled with Modbus protocol over Ethernet or RS232 interface.

The controller can monitor the temperature of NEG pumps equipped with thermocouple.

| Ordering Information | | |
|-------------------------|--------|--|
| Product description | Code | Pump Models |
| NEG POWER MINI | 3B0110 | CapaciTorr: D 50, D 100, D 200, D 400, Z 100, Z 200, Z 400, HV 200; NEXTorr: D 100, D 200, D 300, D 500, Z 100, Z 200, Z 300, HV 100, HV 200, HV 300; GP: GP 50 (only St 707); NEG modules: HV 400, UHV 700 |
| NEG cable 3P5A 3MT*§ | 3B0598 | CapaciTorr D 50, D 100, D 200, Z 100, Z 200; NEXTorr D 100, D 200, Z 100, Z 200, HV 100, HV 200. |
| NEG cable 4P10A 3MT*§ | 3B0601 | CapaciTorr D 400, Z 400, HV 200 |
| NEG cable 6P5A 3MT*§ | 3B0854 | NEXTorr D 300, D 500, Z 300, HV 300 |
| NEG cable for GP50 3MT* | 3B0370 | GP 50 (only St 707) |

(*) Other length cables are available on request

(§) Bakeable cables up to 250 °C, and radiation resistant (1000 Mrad)

The SAES Group manufacturing companies are ISO9001 certified, the Asian and Italian companies are also ISO14001 certified. Full information about our certifications for each company of the Group is available on our website at: www.saesgroup.com

© SAES Group. Printed in Italy. All rights reserved. SAES® is a registered trademarks of SAES Group. SAES Group reserves the right to change or modify product specifications at any time without notice.