

Ammonia Cracker for gas of process and/or burning system

3 sizes:

GCJM-1: 5.4 kW (horizontal)

GCJM-2: 10.8 kW (vertical)

GCJM-3: 21.6 kW (vertical)

Technical characteristics

- Power supply : 3 x 400V
- Heating power : 5.4 / 10.8 / 21.6 kW
- Gas capacity : up to 17.5 m³ NH₃ pure
- Touch screen regulator with integrated PLC : SCR3000
- Safety temperature limiter : JUMO TB/TW
- Gas Inlet : 1/2" G
- Heating time : about 20 minutes from 20 to 950°C
- Dimensions : 720 x 740 x 1440 mm (GCJM-1)
2000* x 750** x 775 mm (GCJM-2)
2000* x 750** x 775 mm (GCJM-3)

*Height +400mm with burner

** Width +175 with process gas cooler option



Integrated GCJM-2 Model

Specifications

For gas process

- NH₃ Inlet : 1.5 bar (with maximum 50 ppm H₂O)
Note: a filter before the ammonia inlet is recommended.
- Residual ammonia in cracked gas < 200 ppm (<50 ppm in option)

For burning system

- Equipped with an electrical burner (3 controlled electrical sparks)
Note: A saved power supply for the burner is recommended.
- Environmental rejection conforms to European Norms and certified by Bureau Veritas and Apave.
NH₃ rejection level < 0.0042 g/hour (limit 10 g/h)
NO_x rejection level = 46.3 mg/Nm³ dry (limit 100 mg/Nm³ dry)

