



RAGON- AG100

The RAGON-AG100 is a fully automatic service cart engineered for the safe, efficient and controlled handling of Alternative Insulating Gas mixtures, including C4-FN and C5-FK-based gas mixtures.

The system is designed for complete on-site gas handling operations including gas recovery, evacuation, filling, storage, filtration and gas-mixture management.

An integrated oil-free compression system, vacuum technology, dry filtration, weighing system and optional heating arrangement provide reliable operation while minimizing gas emissions during servicing.

The modular design allows easy configuration according to application requirements, while gas-specific couplings and integrated safety functions ensure reliable and secure field operation.

The RAGON-AG100 can be configured with an integrated buffer vessel for homogeneous storage and controlled filling of gas mixtures. The system also supports flexible gas-mixture management and recovery operations.

Technical Specifications

Specifications

Gas Type	Alternative Insulating Gas / C4-FN
Compressor Capacity	10 m³/h @ 50 Hz
Recovery Capacity	30 m³/h @ 50 Hz
Air Evacuation	100 m³/hr < 1 mbar
Maximum Pressure	100 bar
Gas Filling Range	0–12 bar
Gas Storage	600 L / 1000 L configuration
Dry Filter	Molecular sieve
Particle Filter	1 µm
Evaporator	Optional / configurable
Gas Weighing	Digital weighing system
Weighing Range	0–200 kg ±0.02 %
Cylinder Heating	Induction heating, optional
Maximum Cylinder Diameter	250 mm
Recommended Cylinder Diameter	230–250 mm
Gas Connection	DN20 / DN40
Control System	Automatic
HMI	12" Industrial Touchscreen
Communication	USB / Ethernet
Permissible Ambient Temperature	Operation: 5...50°C; Storage: -20...+60°C
Protection Class	IP53
Sound Level	< 80 dB