

SF₆ GAS RECOVERY UNIT - GRU-7 SERIES

SPECIFICATIONS

DIMENSIONS:

Height: 62" (1575mm)

Width: 40" (1015mm)

Depth: 58" (1470mm)

Weight: 350lbs (150kg)

STANDARD VOLTAGE:

110V-1PH -60Hz or

220V-1PH -50/60Hz

(other voltages available on request)

SYSTEM PERFORMANCE:

Designed for breakers up to 132kV

SF₆ gas transfer rates up to
55lbs/25kgs per hour

SF₆ Recovery to 99.6%
optionally to 99.9%

Vacuum pump for
evacuation of air:
10CFM (17 m³/hr) <1 mbar

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information
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We developed the GRU-7 for our customers who found they needed more storage and recovery capacity than smaller handcart mounted units, but without the bulk and high price of a large skid or trailer-mounted unit.

APPLICATIONS:

- Recover and purify SF₆
- Evacuate air and moisture prior to filling
- Consolidate SF₆ cylinders
- Store SF₆ in liquid state (or auxiliary bottles)
- Regulated filling of SF₆ equipment
- Purification of SF₆ (removes particles, moisture, and SF₆ decomposition products)

FEATURES:

- Mounted on a compact cart with 16" (400mm) pneumatic tires for ease of movement in gravel switchyard environments
- Easy to operate – Single valve to switch operating modes
- High pressure, direct-drive oil-less compressor with 1000:1 compression ratio (capable of 1000psi – 69 bar)
- Capable of liquid SF₆ storage
- Purifies, dries and filters to 0.1 microns during recovery and re-pressurization
- Filters are easily changed without disconnecting any tubing or using any special tools
- Mounted on a cart with casters and rack for storage up to three SF₆ storage bottles (total onboard storage up to 345lbs/160kg) – 660lbs/300kg with optional storage tank
- Auxiliary connection allows for infinitely expandable storage through use of external tanks
- Comes complete with 9.8ft / 3m hoses and power cable
- Colour change moisture indicator to monitor moisture in gas

OPTIONAL FEATURES:

- Stainless Steel Fittings instead of copper/brass for better corrosion resistance
- Weight scale for accurate measurement of SF₆
- Custom supply voltages