

SF₆ FILTER PURIFIER

SPECIFICATIONS

DIMENSIONS:

Height: 68" (1725 mm)
 Width: 6-5/8" (168 mm)
 Depth: 6-5/8" (168mm)
 Weight: 230lbs (104kg)
 (with desiccant)

OPERATING PRESSURE:

275 PSIG

OPERATING TEMPERATURE:

-20 to -100

FLOW RATE:

Compatible with Enervac Model E736A
 reclaiming compressor pumping rates

POWER REQUIREMENTS:

None

Enervac International ULC
 280 Holiday Inn Drive
 Cambridge, Ontario
 Canada
 N3C 1Z4
 (P)1-519-651-1034
 (F)1-519-651-1038

www.enervac.com
 sales@enervac.com



For more
 information
 scan the
 code!



CAPACITY:

The filter-purifier will purify up to 2,500 lbs. of SF₆ gas. Decomposed SF₆ gas, when passed through the Enervac purifier (single-pass) will achieve the following approximate purity levels:

Final Concentration	
Constitutes	% By Volume
HF	0
SO ₂ F ₂	0.001
SO ₂ F ₂	0.001
SF ₂	0
SF ₄	0
S ₂ F ₂	0
CO ₂	0.006
CO	0.016
Solid Particles	Less than 2µ Absolute

Enervac's SF₆ filter-purifier is used for the purification of badly decomposed SF₆ gas during transfer from circuit breakers and other electrical equipment to SF₆ reclaiming carts. It also has application in re-purifying SF₆ gas in charged circuit breakers. The need for a high capacity purifier is most evident when SF₆ gas is badly decomposed, resulting in byproducts that are harmful to electrical equipment. While some decomposition of the SF₆ charge occurs during normal circuit breaker operations certain conditions such as continuous high-intensity arcing, cause accelerated SF₆ decomposition. When this occurs, an additional high-capacity purification stage between the circuit breaker and the gas reclaiming cart, can be most beneficial. Although most Enervac Model E736A reclaiming carts are equipped with internal SF₆ purifiers the external filter-purifier is recommended for the prevention of excessive contamination of the cart. This results in more effective final cleanup of the gas by the cart purifier during re-transfer of the stored gas back to the circuit breaker, and less frequent replacement of the cart purification cartridges.

The filter-purifier incorporates four chemical purification beds, all contained in a single high pressure cylindrical housing. The chemicals are placed in a pre-determined sequence and quantity, and are separated by diffuser plates. The filter-purifier also contains one 2-micron filter. SF₆ enters the filter-purifier through the bottom connection and passes through the chemical beds. The SF₆ is evenly distributed through the beds by the inlet diffuser plate. Prior to exiting the filter-purifier, the gas passes through the 2-micron filter. filter-purifier is equipped with inlet and exit sampling connections, providing convenient means for gas analysis during purification. The filter-purifier is designed for ease of chemical and filter replacement. Replacement kits are available. Each kit contains four pre-measured chemical charges, individually packed in plastic bags, plus filter element.