

PFC (H)-500

RPS PART NUMBER FM19

VENTILATION UNIT

RPS

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The PFC(H)-500 is the most economical high efficiency adsorber available. Using nuclear grade impregnated carbon, this adsorber provides 1/4 second residence time at rated flow as per ANSI requirements. This ensures effective sorption of organic radioiodine and noble gases. The pressure drop on this unit is only 1.7" water gage which impacts the airflow minimally. The upstream prefilter and HEPA filter protect the carbon element from dirt loading which would severely decrease efficiency and flow. Connected upstream of a HEPA filtration blower module, the system provides versatility and reduced space/cost over comparable single housing carbon/HEPA/blower units.

FEATURES:

- Heavy-duty platform cart with heavy-duty locking casters (two rigid, two swivel).
- 304 stainless steel, fold-down inlet and outlet plenums.
- A 24" x 24" x 16" charcoal adsorber rated at 500 CFM and 1/4 second residence time at rated flow.
- Metal framed, dual gasketed HEPA filter with wire face guards. 24" x 24" x 5-7/8" rated @ 500 CFM @ 1"wg., 99.97% efficient for 0.3 micron particles. DOP tested at 100% and 20% of rated flow.
- Prefilter, multi-density polyester, 24" x 24" x 2" thick with metal frame.
- A 0-10" wg. Magnehelic gage monitoring differential pressure across HEPA and prefilters.
- Nominal dimensions: 54" long x 24" wide x 39.5" high.

SPARE PARTS:

- [Carbon Adsorber - AG02](#)
- [HEPA Filter - AK18](#)
- [Prefilter - AK64](#)
- [Hose Clamp, 8" - CL05](#)

NOTE: Information provided is subject to change. Please contact RPS directly for recent modifications.

