

## altair® LHY vCell



### High Performance Filtration

CLARCOR Industrial Air's **altair** filter business offers extremely high levels of turbine protection in a wide range of environments with its selection of inlet filters. Our 50 years of expertise in gas turbine air intake design has influenced the development of this water-resistant filter. Its high dust holding capacity helps prolong filter life and significantly lowers operating costs. The filter is designed for low pressure loss to enable improved power output. Available in industry-standard sizes, the LHY is suitable for all gas turbine OEM filter houses. This product is available in reverse mode configuration, known as LHRV.

### KEY BENEFITS

- EPA grade filtration efficiency media provides hydrophobic performance for superior protection in wet environments
- Extends operational maintenance intervals
- Low pressure loss helps increase power output and/or improve fuel efficiency
- Easy to install and change out to reduce down time
- Easily disposable by incineration

### Predictable and Reliable

The **altair** LHY filter delivers predictable performance while maintaining steady pressure loss. Our LHY vCell reduces both dry and wet contaminants from reaching the turbine blades. The LHY vCell filter is designed to provide maximum protection to gas turbines against moisture as well as particulate contaminants, and is both mist and fog resistant. The LHY vCell provides balanced maintenance costs, improved output efficiency, and delivers exceptional gas turbine performance across the filter's service life.

### Performance Data

ASHRAE 52.2: 2012 Rating	MERV16
EN1822: 2009 Rating	E12
Rated Airflow	4250 m <sup>3</sup> /h, (2500 CFM)
ASHRAE dust-holding capacity (450 Pa) @ 3400 m <sup>3</sup> /h	673 g (1.48 lb)
ASHRAE dust-holding capacity (450 Pa) @ 4250 m <sup>3</sup> /h	188 g (0.41 lb)
Operating temperature range	-40°C to 70°C (-40°F to 158°F)

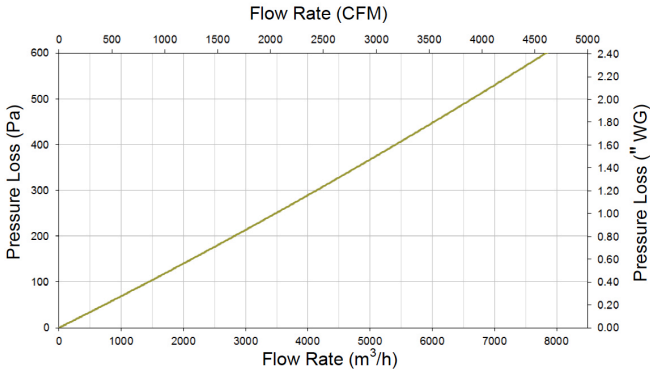
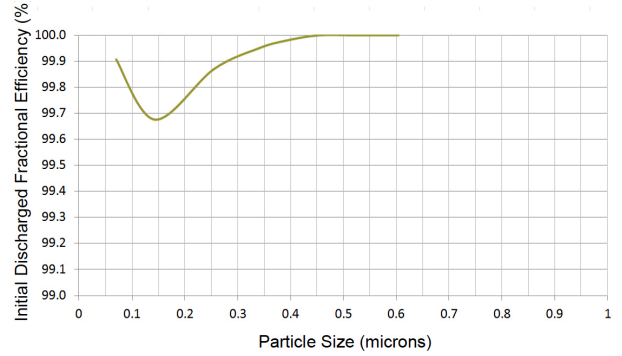
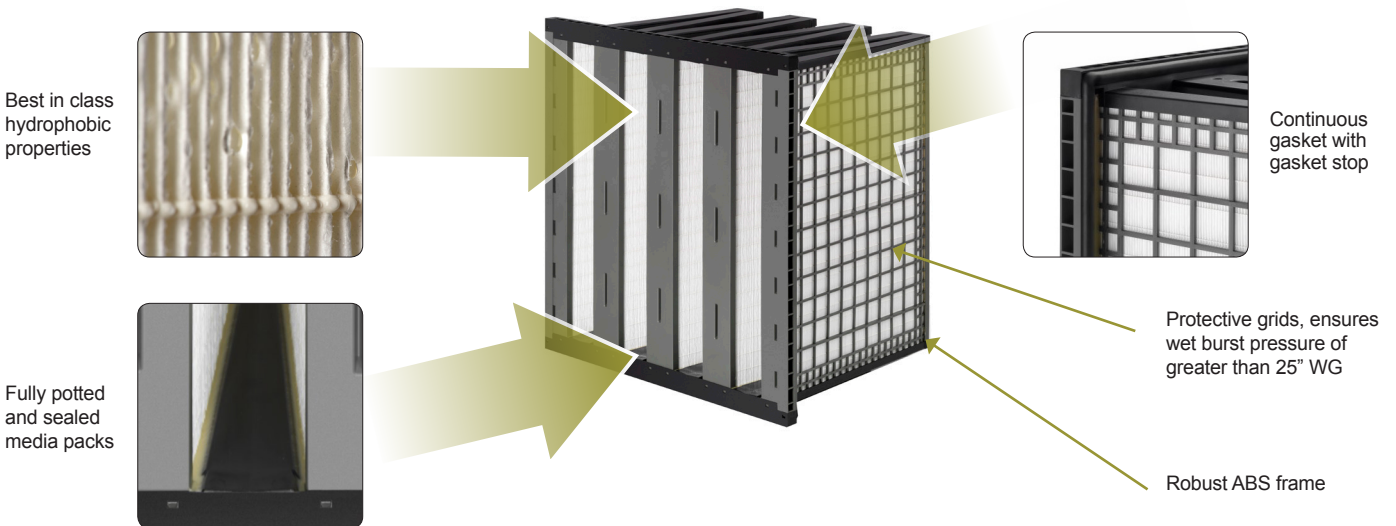
### Filter Facts

Construction	Robust, impact resistance plastic, ABS (Acrylonitrile butadiene styrene)
Gasket	Foam in place polyurethane, continuous, single piece
Dimensions	595 mm H x 595 mm W x 435 mm D (23.4" H x 23.4" W x 17.1" D)
Clean weight	13 kg (29 lb)
Application	Multi stage static or hybrid filtration

For more information, contact your altair representative at **CLARCOR Industrial Air**:

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**altair<sup>®</sup> LHY vCell**
**Pressure Loss**

**Initial Fractional Efficiency**

**Key Features**

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