

Die Cast Units

About



Die Cast Filtration systems are designed to provide efficient, cost effective control of water-soluble die lubricants found on die casting machines. Typically used for control of moderate to heavy concentrations of most and smoke contaminants, the Die Cast series collectors are provided with six staged of mechanical filtration to minimize maintenance and reduce replacement filter costs.

The Die Cast system consists of three main filter cabinet assemblies. The first cabinet houses three banks of cleanable Chevron impinger prefilters mounted in series. The second cabinet contains a cleanable metal mesh filter followed by a pleated multi-vee intermediate filter, and the fourth filter stage multi-pocket ASHRAE fiberglass vee-bag filter. The third and final cabinet houses a cleanable metal mesh filter and a sixth-stage HEPA filter rated 99.97% efficient at 0.3 microns.

Following the sixth stages of filters is a blower and motor ranging from 3 HP to 25 HP with the remote. An option is to mount the filter cabinets and blowers on a supporting frame with casters, which is mounted above the die cast machine with a canopy hood over the die area. The Die Cast system can move on the casters to allow the dies to be changed from the machine.

The Die Cast System is a complete filtering system ready to be adapted to a support structure over the die cast machine to satisfy many industrial requirements.

Features

- Motors available from 3 to 25HP for a wide range of applications.
- Adjustable RPM, belt driven blowers for varying airflow
- Two magnehelic gauges for quick referencing of filter loading, one for the vee-bag, one for the HEPA
- Fourth stage filter element provides 95% efficiency per ASHRAE 52.1 & 52.2
- Bag support rods provide positive filter support and spacing for optimum filter life and efficiency
- Industrial powder coat Kelley Green finish

Options

- Movable heavy-duty frame with vee-grooved casters
- Silencer
- Custom hood designs to meet your unit specifications