

# DUROCAP

## Particulate Capture



## INNOVATION IN AIR QUALITY MANAGEMENT

Duroair Technologies evolved from the realization that there were limited ventilation options that addressed space limitations, material handling issues, oversized work pieces, intermittent requirements, and mobility. As a result, we were inspired to develop an innovative solution.

With a knowledgeable team and significant research and development, the result is an Air Quality Management system built from innovative technology and design, capable of fulfilling the most common of needs through to the very unique. With superior construction, exceptional attention to safety and compliance, Duroair has been identified as an innovative solution for air quality, wherever and whenever you need it.

**We are proud to be in a class of our own!**

## HIGHLIGHTS:

**Patented Technology:** Our patented "Taper-Draft" technology ensures optimal capture of 99.4% of all airborne contaminants reducing dust, dirt and creating a clean room environment for diverse uses and industries.

**DuroRoom Enclosure:** Our modular designed enclosure retracts to 20% of the extended length allowing for maximum use of your existing floor space during intermittent use. Manufactured with top quality materials, we can accommodate custom sizes to meet the most challenging of projects.

**Applications:** The DuroCap system has the capability to service a wide range of industrial professionals and their respective needs. Whether you require dust control, a welding or painting area, or a work space that eliminates air contamination, DuroCap provides it using our innovative technology.

## FEATURES:

**Fire Suppression:** As an option to our systems, we offer an exclusively designed Kidde Badger approved fire suppression unit. This product consists of a four nozzle in-line spreader equipped with Industry Guard Dry Chemical.

**Minimal Installation:** Avoid high costs associated with professional installers. In the span of 2-3 hours, a two person team will have assembled our enclosure with ease.

**Airflow Capabilities:** Duroair is a leader in innovative airflow solutions. We offer our customers filtration systems ranging from 13,500 CFM to 80,000CFM, and beyond. Standard and customer size DuroRooms are partnered with the appropriate airflow to provide exceptional filtration.

**Filter Technology:** Our patented filtration systems are configured with a 2 stage filter process allowing for the capture of 99.4% of all airborne particulates.

**Increased Productivity:** A Duroair system will provide optimum efficiency in different areas:

- Elimination of substantial assembly time, therefore reducing the amount of production downtime.
- Maximum use of your existing work spaces, simply retract the DuroRoom when not in use.
- Patented "Taper Draft" filtration system reducing drying times for coating applications while optimizing control of overspray.
- Conveniently work on large scale projects by extending DuroRoom over your work piece and avoid challenging material handling situations.

## INDUSTRIES WHO WILL BENEFIT:

- Fabrication
- Manufacturing
- Defence
- Aerospace
- Automotive
- Clean Room
- Environmental
- Marine



## TECHNICAL SPECIFICATIONS:

- Energy efficient motors with variable frequency drives to allow for adjustable air speeds
- Two stage filter process captures over 99% of airborne contaminant particles
- Cross draft airflow creates a wicking process that decreases dry times without dirt transfer
- Single phase 220V and 3 phase 208/230/460/575V available upon request
- Built in control air regulation
- Production air interlocked with fans for safety with fresh breathing air supplied into enclosure
- Enclosure made of a durable fire rated PVC vinyl meeting the requirements of NFPA 701
- Exhaust system creates a negative pressure vacuum seal creating a clean purified environment. This is ideal for a retractable clean room and/or containing airborne particulates and chemicals.

## CODE COMPLIANCE

NFPA 33 Spray Application  
NFPA 17 Dry Chemical Extinguishing Systems  
NFPA 701 Fabric - Flame Resistance  
OSHA 29CFR - 1910.107 Spray Finishing  
OSHA 29CFR - 1910.94 Ventilation  
OHSA O.Reg 851-63 Ignition or Explosive  
OHSA O.Reg 851-65 Dust - Ignition or Explosive  
OHSA O.Reg 213.5.12 Fire Code - Spray Operation  
EPA 40CFR - Part 63.11173 Spray Finishing Requirements  
Electrical CSA Certified