



BLOWOFF BOX

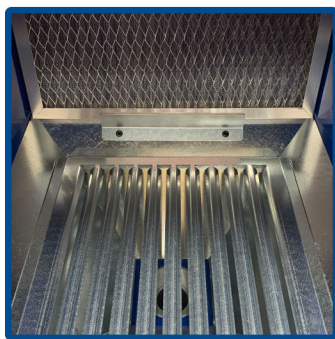
Mist Containment Station

Overview

Connects to shop air. Spray off recently machined parts with air inside the cabinet using the air gun. Negative air pressure inside the cabinet is created by pressing down on the foot valve. Oil mist, fluids, and metallic debris are contained, and do not enter the shop environment.

No Electricity Required

- Designed to keep the operator from inhaling mist
- 2 purposes in 1
- Eliminate a major cause of air pollution in your shop
- Connects to shop air lines (80-100 psi)
- No moving parts / no fans – extremely durable
- Caster locking wheels – moves and locks in place easily
- Comes pre-assembled
- Made in the USA!



A Thorough Consultation + Efficient Plan of Action = Clean Air

BROCHURE





BLOWOFF BOX

How It Works

Mist Containment Use

The operator holds the part in the slanted opening of the box, 10"H x 13.75"W. The parts are then sprayed / "cleaned off" with compressed air using the attached air gun. Simultaneously, the operator presses down on the foot pedal located at the base of the unit. As compressed air passes over the orifice of the venturi vent, located at the bottom of the cabinet, smoke and debris from inside the cabinet are sucked down away from the operator and into the plastic bucket. There are no fans or moving parts. Clean air passes back up and through the air filters, while the fluid is held in the bucket. Top, bottom & side flanges prevent the escape of fluid coating and/or debris as they are sprayed off the parts. Metal mesh filter is opposite the opening inside the box to absorb spray deflection. A grate fits over the funnel to prevent parts from dropping down into the bottom of the box.

3 Stage Air Filtration

Stage 1: There is a 50 micron wet filter sock that fits over the entire exhaust tube (listed above). As the venturi pushes air down through the exhaust tube and through the wet sock filter; some metal debris, misc. particulate and oil are filtered out.

Stage 2: Affixed to the inside of the circular air filter is a blue filter that will filter out thinner viscosity oils that are being cleaned off the recently machined parts, as well as collect some smaller metal debris.

Stage 3: Affixed on top of the bucket and situated below the box is a 12.11" OD circular air filter with paper and fabric fins on the sides. This air filter has a metal top with a 3.03" round opening. This opening is for the exhaust tube. The positive air pressure, having passed down the exhaust tube and through the stage 1 wet sock filter, passes upward from the bottom of the bucket and through the stage 2 filter, and then through the stage 3 filter before being released into the ambient factory air.

Air Gun

Used by the operator to blow compressed air at the part in the box in order to clean it off.

The gun can be activated without the use of the pedal, this is significant because many operators will first use the gun to blow off the part before removing it from the CNC machining center. The air gun air velocity can be regulated by a ball valve located on the back of the MCS unit.

Stand

The stand, constructed of 12 gauge cold rolled steel and holds the box and the bucket in place via a top support & base plate. The stand sits 48" high.





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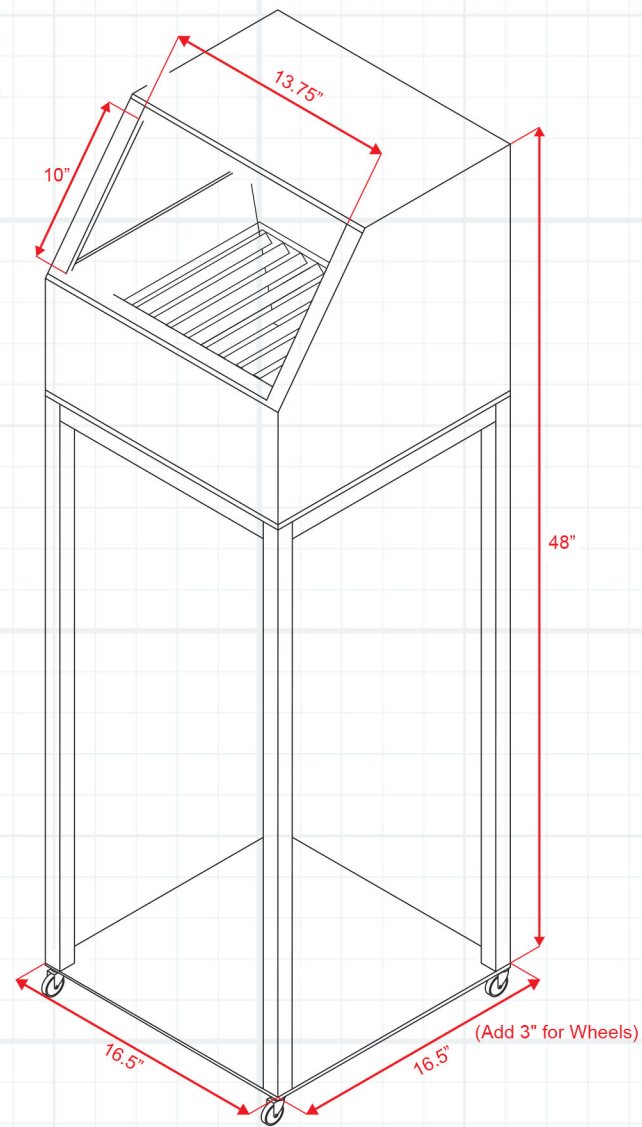
Specifications

Mist Containment Features

- Downdraft Effect Contains Contaminants
- Handheld Air Nozzle Ensures Debris
- Easy Cleaning Housing & Debris Bin
- 16 Gauge Cold Rolled Steel Box
- Tube Frame Construction
- 1/4" NPT Filter - Regulator & Isolation Valves
- Small Floor Space Footprint
- 3" Dual Locking Casters
- Manufactured in the USA
- 3 Year Warranty

Blowoff Box Dimensions

- Opening: 10"H x 13.75"W
- Overall: 16.5"W x 16.5"L x 48"H



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