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MODULAR DUST COLLECTORS
& DOWNDRAFT TABLES

WOODWORKING
COARSE & FINE DUST

INDUSTRIAL
FUME & FINE DUST

AIR FILTRATION

APPLICATION

As a manufacturer of industrial equipment Pyradia is equipped with an EBF plasma table used on a daily basis. Plasma cutting is a process involving high pressured ionized gas to create a plasma jet therefore generating **highly toxic and hazardous sparks, smoke and fumes.**



CHALLENGES :

- CAPTURE FUMES & SMOKE
- FIRE PREVENTION
- ASSURE A HEALTHY WORK ENVIRONMENT
- OPTIMIZE PRODUCTION TIME

SOLUTION

Specialists will confirm that using just an exhaust blower alone is not a long term viable solution for a plasma table. That is simply exporting the problem from inside to outside and remains an unsafe set up.

The installation of an **outdoor cartridge dust collector** was necessary to **ensure safety and a healthy manufacturing environment** for Pyradia's employees. The Belfab division recommended the installation of an MPJC H8 Dust collector equipped with all necessary safety options (reverse for full systems specifications).

INSTALLATION

CARTRIDGES DEMONSTRATING THE COLLECT OF MATERIAL GENERATED BY THE USE OF THE PLASMA TABLE - AFTER 2 MONTHS OF USE



INDOOR PLASMA MANUFACTURING AREA
CONNECTED TO AN OUTDOOR H8 CARTRIDGE
DUST COLLECTOR



CARTRIDGE DUST COLLECTOR PLASMA CUTTING APPLICATION



H8 CARTRIDGE DUST COLLECTOR SPECIFICATIONS

FILTRATION UNIT

Model H8
16 fire retardant horizontal cartridges
Filtration ratio 1.36:1
3680 ft ² filtration surface
Pulse jet cleaning technology
Automatic sequential controller
Photohelic gauge
55 gal drum on wheel for collecting dust

BLOWER

Model standard blower #15
3500-5000CFM
Direct driven
TEFC 15HP inverter duty motor

CONTROL PANEL

NEMA 4/12 enclosure
Magnetic starter & surcharge protection
Deviation damper control
Magnehelic gauge

OPTIONS & ACCESSORIES

Spark quencher
Silencer
Backdraft damper
Deviation damper
Fire damper



BELFAB H8 CARTRIDGE DUST COLLECTOR



FOR MORE INFORMATION

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