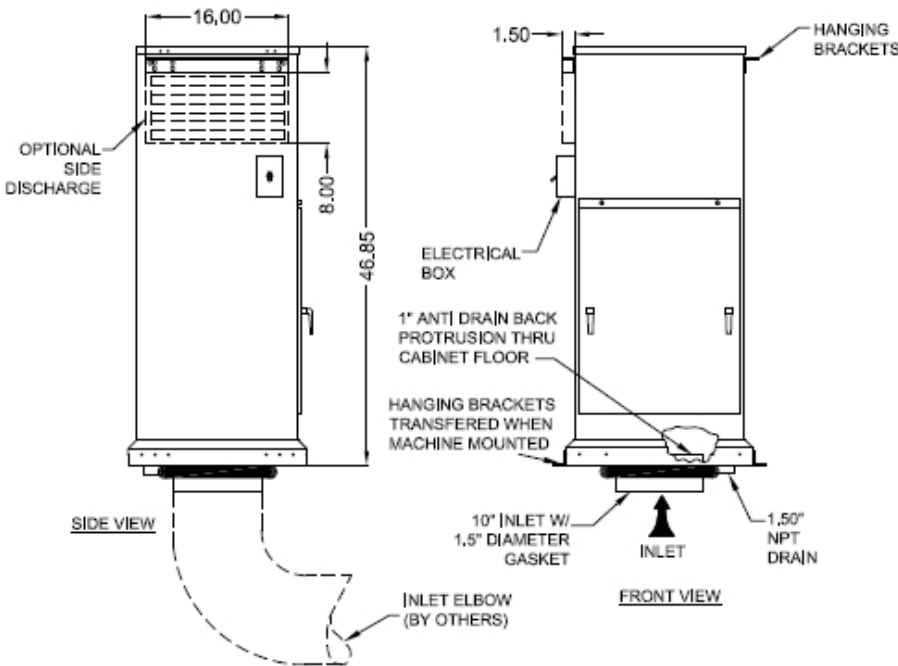


TOP VIEW



**SPECIFICATIONS:**

**CONSTRUCTION:** 18 Gauge steel cabinet finished with a Powder-Coat Finish, Includes Ultra-Seal filter mounting system, front access filter door, 2" sump which includes a 10" diameter bottom inlet with a 1.5" diameter gasket and a separate 1.50" NPT drain, built in exhaust silencer, on-off switch, and a 6' power cord (115V), 230/1 and 3 phase units wire to junction box. Circuit and motor overload protection by others.

**WEIGHT:** 150 lbs.

**AIRFLOW:** B.I. Blower: 1350 CFM

**ELECTRICAL:**

- 1.5 HP B.I., 115/230/1/60, 17.0/8.5 amps, std.
- 1.5 HP B.I., 208-230/460/3/60, 4.8-4.6/2.3 amps, opt.
- 1.5 HP B.I., 190/380/3/50, 5.8/2.9 amps, opt.
- 1 HP B.I., 115/230/1/60, 6.0/12.0 amps, opt.

**NOISE:** 75 dBA

**FILTER SEAL:** Ultra-Seal with positive seal filter locking mechanism for main filters.

**FIRE SUPPRESSION:** Equipment provided by others.

**PREFILTERS:**

- (1) 2" Aluminum mesh, std.
- (1) 2" Polyester pad, opt.

**MAIN FILTER:** (3) MistPlus Filters

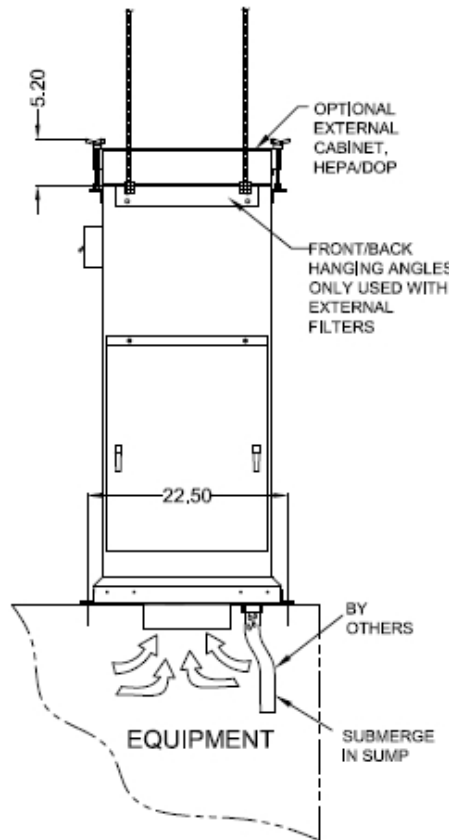
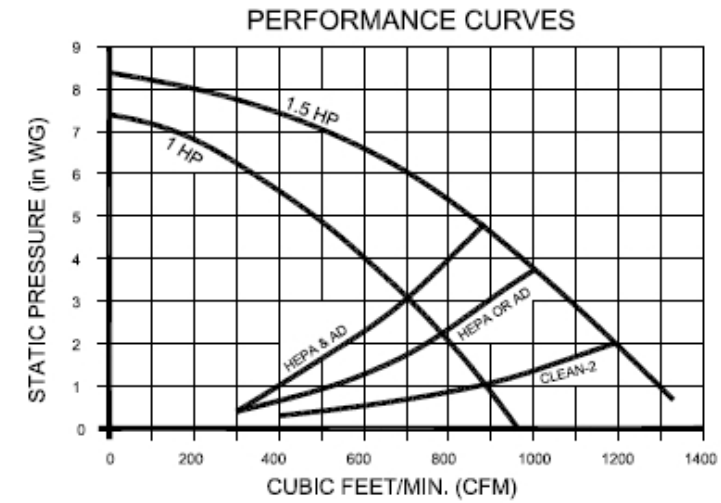
**UNIT EFFICIENCY:** 95% Minimum on U.N.C. Oil Mist Test

**AFTER FILTERS:**

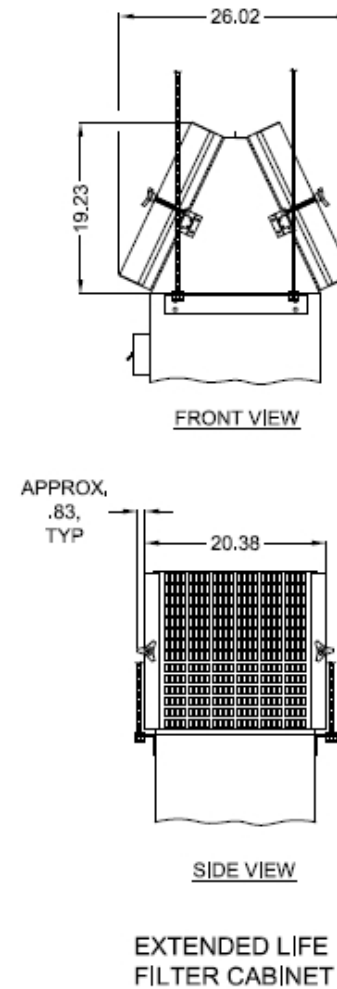
- (1) 99.97% HEPA, Ext. (825/1000 CFM) opt.
- (1) 95% D.O.P., Ext. (825/1000 CFM) opt.
- (1) AD Module, Ext. (825/1000 CFM) opt.

**OTHER OPTIONS:**

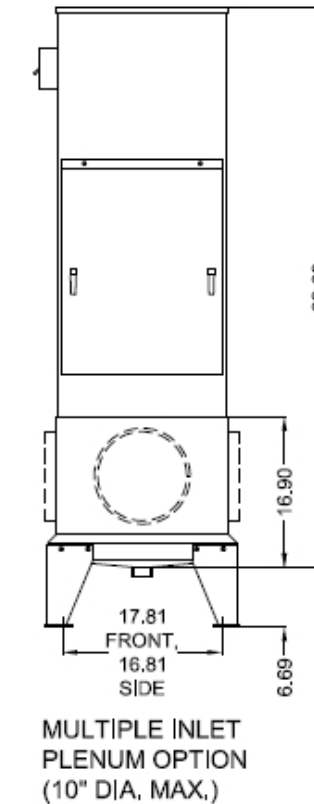
- Pressure gauge kit (Indicates filter changes.)
- 26" Stand
- 8" Stand
- Multiple Inlet plenum (stand ordered separately)
- Side discharge
- Extended Life Filters



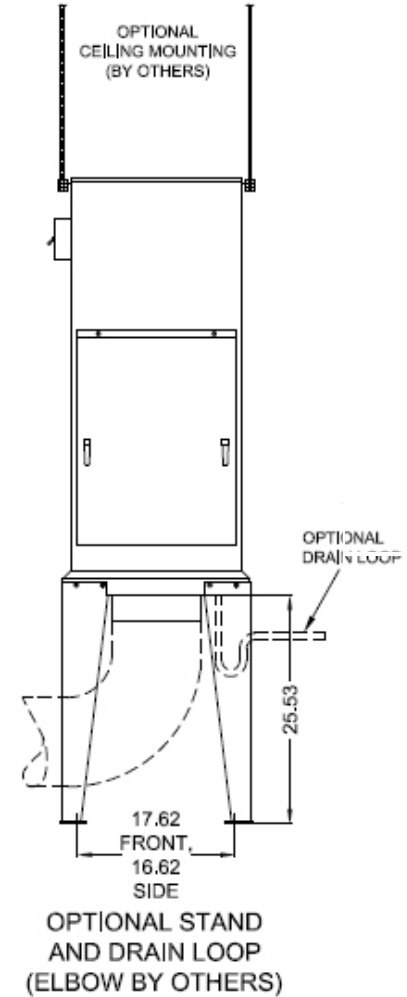
BASIC CONFIGURATION - EQUIPMENT MOUNTED



EXTENDED LIFE FILTER CABINET



MULTIPLE INLET PLENUM OPTION (10" DIA. MAX.)



OPTIONAL STAND AND DRAIN LOOP (ELBOW BY OTHERS)

11-05

CUSTOMER:	
CUSTOMER P.O.:	
PROJECT:	
ENGINEER:	
SALES REP.:	
IDENTIFICATION / TAGGING:	

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Drawn by:	Janos B
Date:	5/1/2008
Scale:	NTS
Weight:	N/A

**11-05 MP14**  
**Mist Collector**  
Specification Drawing

Drawing No.:	-	File Name:	(11-05) MP14 - SD
Material:	Product manufactured by:	Sheet:	1/2





## MODELS & OPTIONS

Part # Description

### Main System / Part

- MP14-1 MP14 industrial air cleaner with a 1.5 Hp TEFC motor 115-230/1/60 Hz
- MP14-2 MP14 industrial air cleaner with a 1.5 Hp TEFC motor 208-230/460/3/60 Hz
- MP14-3 MP14 industrial air cleaner with a 1.5 Hp TEFC motor 575-600/3/60 Hz

### Filter Options (when ordering main unit)

- MP14-2P 2" Polyester Pad Option for Standard MP14 Unit
- MP14-EXAD External Adsorber Module Option for Standard MP14 Unit
- MP14-EXDOP External 95% DOP Filter Option for Standard MP14 Unit
- MP14-EXHE External 99.97% HEPA Filter Option for Standard MP14 Unit
- MP14-EXHE/AD External 99.97% HEPA with external module, 25 lbs. capacity with 2" polyester after-filter 750 CFM. Order charcoal separately.
- MP14-HEPA-XL Extended Life HEPA is an "A" frame assembly with 2 each 99.97 HEPA vs 1 HEPA in the EXHE assembly, 1100 CFM.

### Preventative Maintenance Pressure Gauges, etc. (when ordering main unit)

- PG-10 0-10" magna-helic pressure gauge, approximately 5" diameter size. Surface mounted.
- PG-6 0-6" magna-helic pressure gauge, approximately 5" diameter size. Surface mounted.

### Sound Attenuation

- MP14-S-EXT External Silencer Option for Standard MP14 Unit

### Bridge Clamps

- MD-530-075-100 3" Ø Bridge Clamp. Clamping range of 70mm-90mm
- MD-530-100-100 4" Ø Bridge Clamp. Clamping range of 100mm-120mm
- MD-530-125-100 5" Ø Bridge Clamp. Clamping range of 120mm-140mm
- MD-530-150-100 6" Ø Bridge Clamp. Clamping range of 150mm-170mm
- MD-530-200-100 8" Ø Bridge Clamp. Clamping range of 200mm-220mm
- MD-530-250-100 10" Ø Bridge Clamp. Clamping range of 250mm-270mm
- MD-530-300-100 12" Ø Bridge Clamp. Clamping range of 300mm-320mm
- MD-530-350-100 14" Ø Bridge Clamp. Clamping range of 350mm-370mm
- MD-530-400-100 16" Ø Bridge Clamp. Clamping range of 400mm-420mm

### Hose Rings

- HR-3-OM 3" dia. Hose Ring to connect oil mist hose to CNC machine
- HR-4-OM 4" dia. Hose Ring to connect oil mist hose to CNC machine
- HR-5-OM 5" dia. Hose Ring to connect oil mist hose to CNC machine
- HR-6-OM 6" dia. Hose Ring to connect oil mist hose to CNC machine
- HR-8-OM 8" dia. Hose Ring to connect oil mist hose to CNC machine
- HR-10-OM 10" dia. Hose Ring to connect oil mist hose to CNC machine
- HR-12-OM 12" dia. Hose Ring to connect oil mist hose to CNC machine
- HR-14-OM 14" dia. Hose Ring to connect oil mist hose to CNC machine
- HR-16-OM 16" dia. Hose Ring to connect oil mist hose to CNC machine

Part # Description

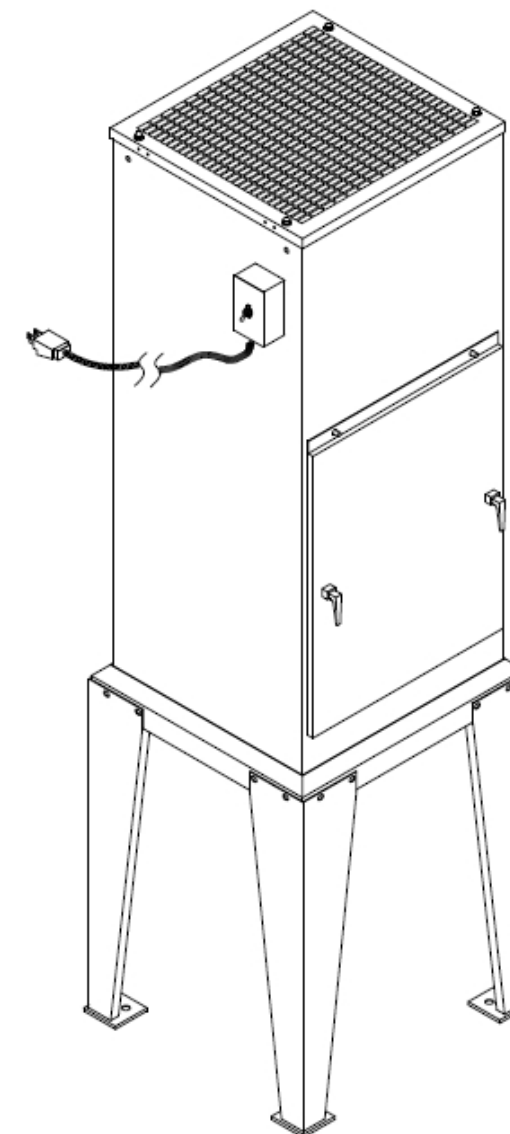
- Hose for Oil Mist**
- MD-311-075-401 3" Ø Master Pur-SL Hose. Super lightweight polyester/polyurethane w/wire reinforcement. Very flexible and clear. Minimum 5 times wear life improvement over PVC and TPR. Price per ft. (10' Length Minimum)
- MD-311-100-401 4" Ø Master Pur-SL Hose. Super lightweight polyester/polyurethane w/wire reinforcement. Very flexible and clear. Minimum 5 times wear life improvement over PVC and TPR. Price per ft. (10' Length Minimum)
- MD-311-125-401 5" Ø Master Pur-SL Hose. Super lightweight polyester/polyurethane w/wire reinforcement. Very flexible and clear. Minimum 5 times wear life improvement over PVC and TPR. Price per ft. (10' Length Minimum)
- MD-311-150-401 6" Ø Master Pur-SL Hose. Super lightweight polyester/polyurethane w/wire reinforcement. Very flexible and clear. Minimum 5 times wear life improvement over PVC and TPR. Price per ft. (10' Length Minimum)
- MD-311-200-401 8" Ø Master Pur-SL Hose. Super lightweight polyester/polyurethane w/wire reinforcement. Very flexible and clear. Minimum 5 times wear life improvement over PVC and TPR. Price per ft. (10' Length Minimum)
- MD-311-250-401 10" Ø Master Pur-SL Hose. Super lightweight polyester/polyurethane w/wire reinforcement. Very flexible and clear. Minimum 5 times wear life improvement over PVC and TPR. Price per ft. (10' Length Minimum)
- MD-311-300-401 12" Ø Master Pur-SL-FG Hose. Super lightweight polyester/polyurethane w/wire reinforcement. Very flexible and clear. Minimum 5 times wear life improvement over PVC and TPR. Price per ft. (10' Length Minimum)
- MD-311-350-401 14" Ø Master Pur-SL Hose. Super lightweight polyester/polyurethane w/wire reinforcement. Very flexible and clear. Minimum 5 times wear life improvement over PVC and TPR. Price per ft. (10' Length Minimum)
- MD-311-400-401 16" Ø Master Pur-SL Hose. Super lightweight polyester/polyurethane w/wire reinforcement. Very flexible and clear. Minimum 5 times wear life improvement over PVC and TPR. Price per ft. (10' Length Minimum)

### Installation Accessories

- MP14-DL Drain Loop Kit Option for Standard MP14 Unit
- Tubing-3/4" 3/4" I.D. Clear Plastic Tubing. Priced per foot.
- MP-1.5DL 1.5" dia. Drain Loop kit c/w PVC pipe, fittings, ball valve and glue
- MP-SEAL Astroseal Sealant

### Installation Option & Accessories

- MP14-INLETPLENUM Multiple inlet premium bolts to bottom of unit. 10" dia. maximum inlet collar. (Add 12" to height)
- MP14-STAND 24 24" High Stand Option for Standard MP14 Unit
- MP14-STAND 8 8" High Stand Option for Standard MP14 Unit
- MP14-SIDE DISCHARGE Side Discharge. Left side looking at door ONLY
- MP14-IA Additional inlet collar, any size, per specification sheet.



11-05

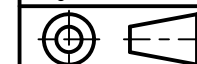
CUSTOMER:  
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 PROJECT:  
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Drawn by: Janos B  
 Date: 5/1/2008  
 Scale: NTS  
 Weight: N/A



**11-05 MP14 Mist Collector**  
 Specification Drawing  
 Drawing No.: - File Name: (11-05) MP14 - SD  
 Material: Product manufactured by: **Airflow SYSTEMS INC.** Sheet: 2/2