

## MURPHY-RODGERS

# MODEL MRT DUST COLLECTOR

The Model MRT effectively removes dust and waste material of WOOD, BAKELITE, PLASTICS, CHEMICALS, STEEL, POWDERS, and particles produced by SAWS, SANDERS, SURFACERS, ROUTERS, SAND BLASTERS, and GRINDERS, LABORATORIES, BAKERIES, and similar operations. The collector is built of heavy gauge metal throughout to resist damage or abrasion. It attaches to any standard 55 gallon barrel. The radial type fan wheel is direct driven by a continuous duty, ball bearing motor.

The extra capacity filter bag is fire resistant, and will take many hours of dust loading before shakedown. Note that ALL the waste material is collected in the barrel; NONE is deposited in a separate bag. For extremely heavy dust loading, a wye branch fitting can be supplied, and an additional filter bag will double the filter area on the 2 HP and 3 HP models. Similarly, four bags will further increase the cloth area.

### STANDARD EQUIPMENT

FAN AND T.E.F.C. MOTOR ASSEMBLY • FILTER BAG • VERTICAL PIPING AND ELBOWS TO FILTER BAG • ALL NECESSARY CLAMPS AND BOLTS • (NO storage barrel included. NO electric starter included)

### EXTRA EQUIPMENT

ELECTRIC STARTER • REPLACEMENT FILTER BAGS • REPLACEMENT BAG CLAMPS • WYE BRANCH FOR DUAL BAG ARRANGEMENT • PIPING & FITTINGS

MURPHY-ROGERS, INC.

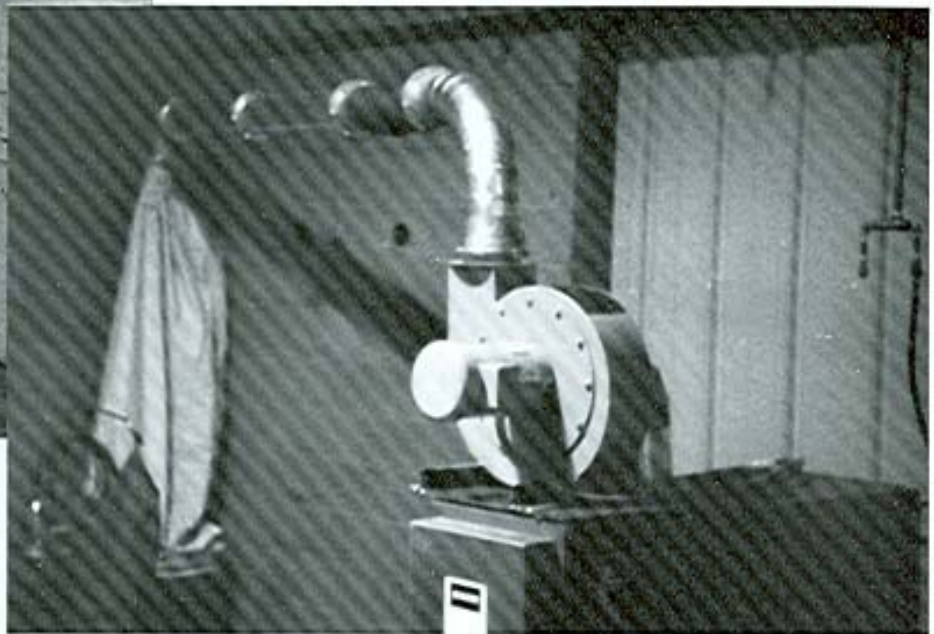


**LEFT**

Illustration of an MRT unit mounted on a wall. The MRT fan assembly will operate properly in any position.

**BELOW**

A model MRT mounted on top of a wide belt sander with the filter bag at a remote location.



## **FEATURES...**

- COMPACT – LIGHTWEIGHT – PORTABLE
- TRULY EFFICIENT PERFORMANCE
- HIGH LEVEL OF ACTUAL CFM DELIVERED AT THE HOODS
- FLAME RESISTANT FILTER BAG MEDIA
- OCCUPIES A MINIMAL FLOOR SPACE
- UNIT IS COMPLETELY SELF CONTAINED
- CONDITIONED AIR IS RETAINED IN THE PLANT AREA
- EASY EMPTYING OF COLLECTED WASTE
- FITS INTO LOW CEILING HEADROOM SPACE

**LEFT**

Model MRT MRT-7A with dual bag arrangement (EXTRA equipment) for additional filter area.

MURPHY-RODGERS, INC.

## MODEL MRT-4B



## MODEL MRT- HV



### SPECIFICATIONS

*(Subject to change without notice.)*

Model	Motor	CFM	Inlet	WL	Size
MR-HV	1½ H.P., 1 or 3 Ph.	520 at 4" S.P.	4"	150#	24" x 51" x 124" High

### SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

MODEL	AIR DELIVERED	FREE AIR	INLET DIAMETER	INLET VELOCITY	MOTOR	HEIGHT	STORAGE
MRT-4B	400 CFM	780 CFM	4"	4,600 FT.	1 HP, 1 PH.	84"	FURNISHED WITH DRUM
MRT-5A	804 CFM	1,200 CFM	5"	5,950 FT.	2 HP, 3 PH.	120"	FITS ANY STANDARD 55 GALLON BARREL
MRT-5B	804 CFM	1,200 CFM	5"	5,950 FT.	2 HP, 1 PH.	120"	
MRT-7A	1,206 CFM	1,600 CFM	7"	4,520 FT.	3 HP, 3 PH.	120"	
MRT-7B	1,206 CFM	1,600 CFM	7"	4,520 FT.	3 HP, 1 PH.	120"	
MRT-9A	1,740 CFM	2,400 CFM	9"	4,000 FT.	5 HP, 3 PH.	132"	
MRT-10A	3,085 CFM	4,600 CFM	10"	5,800 FT.	7½ HP, 3 PH.	139"	

MURPHY-RODGERS, INC.

## MRT "SHORTY" DUST COLLECTORS

The MRT "SHORTY" Series feature a low headroom profile while maintaining the proven efficiency of standard units, with choice of barrel or plastic bag storage. Initial low costs makes this model a worthwhile investment.

### SPECIFICATIONS

(Subject to change without notice.)

MODEL	INLET DIA.	MOTOR	HT.	FLOOR AREA	NOISE LEVEL	STORAGE	CLOTH AREA
MRT-5A-S	5"	2 HP, 3 PH	95"	31" x 68"	75 - 78 dba	1 BAG OR 1 BARREL	44 Sq.Ft.
MRT-5B-S	5"	2 HP, 1 PH	95"	31" x 68"	75 - 78 dba	1 BAG OR 1 BARREL	44 Sq.Ft.
MRT-7A-S	7"	3 HP, 3 PH	95"	31" x 68"	78 - 82 dba	1 BAG OR 1 BARREL	44 Sq.Ft.
MRT-7B-S	7"	3 HP, 1 PH	95"	31" x 68"	78 - 82 dba	1 BAG OR 1 BARREL	44 Sq.Ft.
MRT-9A-S	9"	5 HP, 3 PH	118"	31" x 94"	82 - 85 dba	2 BAG OR 2 BARREL	104 Sq.Ft.
MRT-10A-S	10"	7½ HP, 3 PH	118"	62" x 102"	81 - 84 dba	3 BAG OR 3 BARREL	156 Sq.Ft.
MRT-12A-S	12"	10 HP, 3 PH	118"	62" x 102"	82 - 85 dba	4 BAG OR 4 BARREL	208 Sq.Ft.

### C.F.M. & STATIC PRESSURE RATINGS

(Subject to change without notice.)

MODEL	3½" S.P.	5" S.P.	6" S.P.	7" S.P.	8" S.P.	9" S.P.
MRT-5A-S 5B-S	890 CFM	840 CFM	820 CFM	730 CFM	580 CFM	
MRT-7A-S 7B-S	1460 CFM	1270 CFM	1140 CFM	1030 CFM	900 CFM	
MRT-9A-S	2230 CFM	2040 CFM	1950 CFM	1700 CFM	1660 CFM	1430 CFM
MRT-10A-S	3240 CFM	2850 CFM	2510 CFM	2160 CFM	1700 CFM	1500 CFM
MRT-12A-S	4120 CFM	3810 CFM	3500 CFM	3170 CFM	2810 CFM	2580 CFM

ANOTHER FINE PRODUCT OF

**MURPHY-RODGERS, INC.**

DUST COLLECTORS & AIR POLLUTION CONTROL EQUIPMENT