

DIVERSIFIED AIR SYSTEMS, INC.

# MAXRAIL™

*Exhaust ducting with trolley system*

*It's a rail... It's a duct...*

*It's Maxrail!*

- *Duct and sliding trolley combination*
- *Multiple segments connection*



- *Choice of 4", 5" and 6" trolley diameters*
- *MAXFLO fume arm, MAXREEL hose reel or MAXDROP hose drop attachments*
- *Lightweight aluminium construction*

*Superior technology generating substantial operating savings*

# MAXRAIL™

*High-Productivity Innovative Products*

## **MAXRAIL** *Exhaust ducting with trolley system*

MAXRAIL sliding suction rail is designed to draw and remove smoke, gas and dust pollutants from working area. It can be fitted with one or more MAXFLO self-supporting fume arms, MAXREEL hose reels or MAXDROP hose drops for vehicle fume extraction. Multiple rail segments can be installed end to end with no limit as to the possible total length. The basic element of the duct is a 10'3m segment. The sliding trolley travels easily on casters outside of the rail ensuring that the interior of the rail is smooth and with minimum static pressure. Rubber lips open and close as the trolley moves along the rail minimizing air loss. It's aluminium construction allows minimum hanging weight. The MAXRAIL can be mounted on ceiling or wall supports. Mounting configurations may vary according to specific needs.

## *Industrial Air Specialists*

With our headquarters in Louisville, Kentucky, Diversified Air Systems, Inc. has been providing quality air solutions to industrial and commercial facilities since 1981. During our more than thirty years of operation, Diversified Air Systems, Inc. has established two important company traditions: offering state-of-the-art equipment at competitive prices and achieving long-term customer satisfaction.

The staff of Diversified Air Systems, Inc. includes five application engineers, with a combined experience of more than 75 years in the air filtration and HVAC industry. Whether your facility requires an air filtration system for dust, mist, or fumes, or an HVAC solution to meet ventilation needs, Diversified Air Systems, Inc. has the equipment and expertise to meet the need.

Services include air quality analysis, system design, equipment sales, turnkey installation, onsite servicing, and supply of replacement filters and accessories.

### **Other Filtration Systems available:**

Air Cleaners

Containment Booths

Decontamination Booths

Downdraft Tables

Dust Collectors

Fans and Blowers

Gas & Odor Control

High Vacuum Systems

Mist Collectors

Paint Booths

Stainless Steel Collectors

Vehicle Exhaust Systems

Wet Dust Collectors



Please call 800-264-8958

## MAXRAIL EASE OF MOVEMENT FOR MULTIPLE USAGE

Most of our competitors do not include these standard features :

- Duct and sliding trolley combination
- Multiple segment connection possibility
- Choice of 4", 5" and 6" trolley diameters
- Trolley on ball bearing casters
- Lightweight aluminium construction
- Easy installation

## TYPICAL APPLICATIONS FOR MAXRAIL DUCT SYSTEM

- Welding and fume capture
- Vehicle maintenance shops
- Linear or assembly lines
- Low ceiling facilities



Recommended air flow for hose drop and hose reels

CHART 1

Hose diameter [inches] / [mm]	CFM	L/s
4 / 100	300 / 400	140 / 190
5 / 125	500 / 600	235 / 280
6 / 160	600 / 700	280 / 330

Recommended air flow for fume arm

CHART 2

Arm diameter [inches] / [mm]	CFM	L/s
4 / 100	330 / 560	70 / 165
5 / 125	350 / 550	165 / 260
6 / 160	600 / 800	280 / 380

Note : installation must be made according to local building codes and regulations

Note : to obtain maximum vacuum and rubber lips tightness, it is recommended to order one (1) slide gate with fitting for each 30' of rail. This slide gate will be positioned on top of the rail by installer for proper air balancing.



## MAXRAIL AND TROLLEY DIMENSIONS

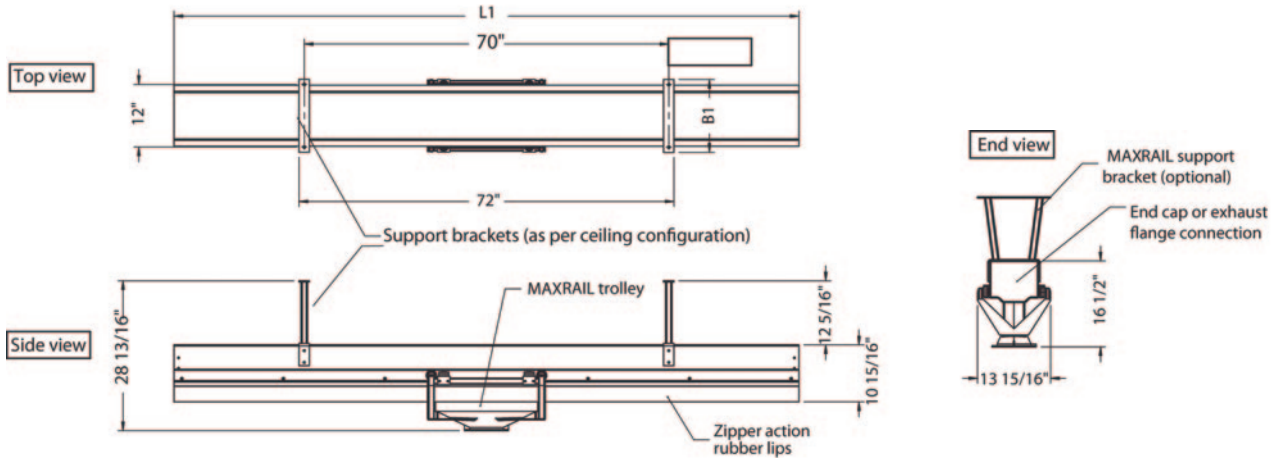


CHART 3

MODEL	LENGTH (inches / mm)	Duct weight (per segment) (lb / kg)	Trolley weight (lb / kg)	Maximum capacity P (including trolley)	Maximum air volume (CFM / L/s)
DMRA-10	120 / 3000	60 / 27	55 / 25	175 / 80	800 / 285

## CREATE YOUR MAXRAIL SPECIFICATION

### 1. RAIL SHOULD BE :

Made of aluminium with reinforcement interior parallel rods, end cap(s), joiners, (2) rail hangers per 10' segment, rubber lips for minimal air leak, U channels for trolley travel.

### 2. RAIL SHOULD INCLUDE :

- A) \_\_\_\_\_ segment(s) of 10' [3 m]
- B) for a total of \_\_\_\_\_ ft \_\_\_\_\_ m

### 3. RAIL SHOULD INCLUDE TROLLEY :

- A) 4" [100 mm]
- B) 5" [125 mm]
- C) 6" [150 mm]

### 4. TROLLEY SHOULD INCLUDE :

- A) MAXFLO fume arm (refer to leaflet for proper selection)
- B) MAXDROP system (refer to leaflet for proper selection)
- C) MAXREEL hose reels (refer to leaflet for proper selection)

### 5. RAIL SHOULD INCLUDE :

- A) 6" [150 mm] left end exhaust connection
- B) 6" [150 mm] right end exhaust connection
- C) 6" [150 mm] rail top exhaust connection
- D) 6" [150 mm] slide gate with T fitting for air balancing at every 30' (10 m)
- E) two (2) wall support brackets per 10' segment in lieu of ceiling brackets

### Diversified Air Systems, Inc.

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