

## DOWN DRAFT BOOTHS

# Truck, Large Equipment & Parts Booths

Rohner Down Draft Booths create the ultimate spray environment for paint finishes requiring the highest quality. Rohner offers an array of standard sizes and expandable configurations to meet your truck, large equipment and parts needs.



Rohner Down Draft Booths offer the most effective and efficient booth airflow available. A standard Rohner Down Draft Booth draws non-pressurized fresh filtered air from the ceiling-mounted supply plenum. Air flows uniformly over the entire work area and out through a filtered, grated in-floor exhaust pit plenum creating an optimal spray coverage environment.

**Customization:** Standard Rohner Down Draft Booths are easily customized to achieve any size required. Conveyor slots or part openings can be located in any configuration. Rohner's integral booth structure can be engineered to support MAUs, conveyor, crane rails and product loads. Booth pressurization can be added by an optional supply fan or heated MAU. All Rohner booths can be fitted with multiple product and man doors. Choose any combination of Rohner's customizable options to suit nearly any desired configuration.

**Components:** Rohner uses spark-resistant belt-driven Tube Axial Fans w/ TEFC Motors for all Down Draft Booths, available for both single-phase and 3-phase electrical supply. All Rohner booths utilize UL listed 4-tube light fixtures providing ample light. 4'-0" T-8 Color-true fluorescent tubes are included as standard on each Rohner booth. Each booth is supplied with a spray air interlock solenoid. Optional Makeup air units and UL listed NEMA 12 Industrial Control Panels are available for all Down Draft Booths.

### APPLICATIONS

Rohner Down Draft Booths provide a superior spray environment for a variety of large or small products. Down Draft Booths can be designed as a drive in-back out application or a flow-through conveyorized production line.

Rohner Down Draft Booths offer constant airflow through the entire spray area. Down Draft Booths are an ideal option for fleet refinishers requiring exceptional quality.

Rohner Down Draft Booths are designed with air flows in excess of 60' per/min. and are designed to meet NFPA 33 and OSHA 29 CFR 1910.107 (refer to local codes for additional requirements).

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**Construction:** Rohner booths are fabricated using G-90 galv. 18 ga. sheet steel panels and heavy gauge cold-formed steel structure capable of free-spans in excess of 50'-0" and galvanized for superior corrosion resistance. Modular structure design makes it possible for flexible custom configurations and future retro-fit expansions.



### FEATURES

- Multiple Standard Sizes
- 18 Galvanized Construction
- CNC Precision-punched, Nut & Bolt Construction
- Exploded Assembly Drawings for Easy Field Installation
- Tube Axial Exhaust Fans with Aluminum Blades & TEFC Motors
- Rohner "Quick-change Roller System" and Baffled Exhaust Filters
- UL Listed High Efficiency T-8 Fluorescent Light Fixtures
  - Manometer
  - 1 Year Warranty

From lighting, air flow and temperature control to environmental safety, speed and versatility – our booths are designed to meet your most demanding finishing and refinishing requirements.

Model	Working Dimensions			Outside Dimensions			Fixtures		Exhaust Filters	Exhaust Fan Size	Intake Filters	Product Door Size	Man Doors
	Width	Height	Depth	Width	Height	Depth	Std Lights	Class I Div II					
<b>14' - 0" Wide</b>													
TDD-FP-14-10-24-CP	14'-0"	10'-0"	24'-0"	16'-0"	13'-6"	24'-4"	3	5	72	(2)30" 2hp- 19980cfm	40	10x10	1
TDD-FP-14-10-26-CP	14'-0"	10'-0"	26'-0"	16'-0"	13'-6"	26'-4"	5	5	80	(2)30" 2hp- 19980cfm	65	10x10	1
TDD-FP-14-10-30-CP	14'-0"	10'-0"	30'-0"	16'-0"	13'-6"	30'-4"	7	5	96	(2)30" 3hp- 24440cfm	75	10x10	1
TDD-FP-14-10-36-CP	14'-0"	10'-0"	36'-0"	16'-0"	13'-6"	36'-4"	9	5	120	(2)30" 5hp- 29990cfm	85	10x10	1
TDD-FP-14-12-24-CP	14'-0"	12'-0"	24'-0"	16'-0"	15'-6"	24'-4"	6	4	72	(2)30" 2hp- 19980cfm	40	10x12	1
TDD-FP-14-12-26-CP	14'-0"	12'-0"	26'-0"	16'-0"	15'-6"	26'-4"	8	4	80	(2)30" 2hp- 19980cfm	65	10x12	1
TDD-FP-14-12-30-CP	14'-0"	12'-0"	30'-0"	16'-0"	15'-6"	30'-4"	10	4	96	(2)30" 3hp- 24440cfm	75	10x12	1
TDD-FP-14-12-36-CP	14'-0"	12'-0"	36'-0"	16'-0"	15'-6"	36'-4"	12	4	120	(2)30" 5hp- 29990cfm	85	10x12	1
TDD-FP-14-14-24-CP	14'-0"	14'-0"	24'-0"	16'-0"	17'-6"	24'-4"	7	4	72	(2)30" 2hp- 19980cfm	40	10x14	1
TDD-FP-14-14-26-CP	14'-0"	14'-0"	26'-0"	16'-0"	17'-6"	26'-4"	10	4	80	(2)30" 2hp- 19980cfm	65	10x14	1
TDD-FP-14-14-30-CP	14'-0"	14'-0"	30'-0"	16'-0"	17'-6"	30'-4"	12	4	96	(2)30" 3hp- 24440cfm	75	10x14	1
TDD-FP-14-14-36-CP	14'-0"	14'-0"	36'-0"	16'-0"	17'-6"	36'-4"	13	4	120	(2)30" 5hp- 29990cfm	85	10x14	1
TDD-FP-14-16-24-CP	14'-0"	16'-0"	24'-0"	16'-0"	19'-6"	24'-4"	10	4	72	(2)30" 2hp- 19980cfm	40	10x16	1
TDD-FP-14-16-26-CP	14'-0"	16'-0"	26'-0"	16'-0"	19'-6"	26'-4"	12	4	80	(2)30" 2hp- 19980cfm	65	10x16	1
TDD-FP-14-16-30-CP	14'-0"	16'-0"	30'-0"	16'-0"	19'-6"	30'-4"	14	4	96	(2)30" 3hp- 24440cfm	75	10x16	1
TDD-FP-14-16-36-CP	14'-0"	16'-0"	36'-0"	16'-0"	19'-6"	36'-4"	16	4	120	(2)30" 5hp- 29990cfm	85	10x16	1
TDD-FP-14-18-24-CP	14'-0"	18'-0"	24'-0"	16'-0"	21'-6"	24'-4"	12	4	72	(2)30" 2hp- 19980cfm	40	10x18	1
TDD-FP-14-18-26-CP	14'-0"	18'-0"	26'-0"	16'-0"	21'-6"	26'-4"	14	4	80	(2)30" 2hp- 19980cfm	65	10x18	1
TDD-FP-14-18-30-CP	14'-0"	18'-0"	30'-0"	16'-0"	21'-6"	30'-4"	16	4	96	(2)30" 3hp- 24440cfm	75	10x18	1
TDD-FP-14-18-36-CP	14'-0"	18'-0"	36'-0"	16'-0"	21'-6"	36'-4"	17	5	120	(2)30" 5hp- 29990cfm	85	10x18	1
<b>16' - 0" Wide</b>													
TDD-FP-16-12-24-CP	16'-0"	12'-0"	24'-0"	18'-0"	15'-6"	24'-4"	7	4	72	(2)30" 3hp- 24440cfm	48	12x12	1
TDD-FP-16-12-26-CP	16'-0"	12'-0"	26'-0"	18'-0"	15'-6"	26'-4"	8	4	80	(2)30" 3hp- 24440cfm	78	12x12	1
TDD-FP-16-12-30-CP	16'-0"	12'-0"	30'-0"	18'-0"	15'-6"	30'-4"	10	4	96	(2)30" 5hp- 29990cfm	90	12x12	1
TDD-FP-16-12-36-CP	16'-0"	12'-0"	36'-0"	18'-0"	15'-6"	36'-4"	12	4	120	(2)36" 5hp- 36270cfm	108	12x12	1
TDD-FP-16-12-40-CP	16'-0"	12'-0"	40'-0"	18'-0"	15'-6"	40'-4"	16	4	136	(2)36" 5hp- 36270cfm	120	12x12	1
TDD-FP-16-12-50-CP	16'-0"	12'-0"	50'-0"	18'-0"	15'-6"	50'-4"	20	4	176	(2)42" 5hp- 42870cfm	150	12x12	1
TDD-FP-16-12-60-CP	16'-0"	12'-0"	60'-0"	18'-0"	15'-6"	60'-4"	22	8	216	(4)30" 5hp- 59980cfm	180	12x12	2
TDD-FP-16-14-24-CP	16'-0"	14'-0"	24'-0"	18'-0"	17'-6"	24'-4"	10	4	72	(2)30" 3hp- 24440cfm	48	12x14	1
TDD-FP-16-14-26-CP	16'-0"	14'-0"	26'-0"	18'-0"	17'-6"	26'-4"	12	4	80	(2)30" 3hp- 24440cfm	78	12x14	1
TDD-FP-16-14-30-CP	16'-0"	14'-0"	30'-0"	18'-0"	17'-6"	30'-4"	14	4	96	(2)30" 5hp- 29990cfm	90	12x14	1
TDD-FP-16-14-36-CP	16'-0"	14'-0"	36'-0"	18'-0"	17'-6"	36'-4"	16	4	120	(2)36" 5hp- 36270cfm	108	12x14	1
TDD-FP-16-14-40-CP	16'-0"	14'-0"	40'-0"	18'-0"	17'-6"	40'-4"	18	4	136	(2)36" 5hp- 36270cfm	120	12x14	1
TDD-FP-16-14-50-CP	16'-0"	14'-0"	50'-0"	18'-0"	17'-6"	50'-4"	24	4	176	(2)42" 5hp- 42870cfm	150	12x14	1
TDD-FP-16-14-60-CP	16'-0"	14'-0"	60'-0"	18'-0"	17'-6"	60'-4"	25	8	216	(4)30" 5hp- 59980cfm	180	12x14	2
TDD-FP-16-16-24-CP	16'-0"	16'-0"	24'-0"	18'-0"	19'-6"	24'-4"	12	4	72	(2)30" 3hp- 24440cfm	48	12x16	1
TDD-FP-16-16-26-CP	16'-0"	16'-0"	26'-0"	18'-0"	19'-6"	26'-4"	14	4	80	(2)30" 3hp- 24440cfm	78	12x16	1
TDD-FP-16-16-30-CP	16'-0"	16'-0"	30'-0"	18'-0"	19'-6"	30'-4"	16	4	96	(2)30" 5hp- 29990cfm	90	12x16	1
TDD-FP-16-16-36-CP	16'-0"	16'-0"	36'-0"	18'-0"	19'-6"	36'-4"	18	4	120	(2)36" 5hp- 36270cfm	108	12x16	1
TDD-FP-16-16-40-CP	16'-0"	16'-0"	40'-0"	18'-0"	19'-6"	40'-4"	21	4	136	(2)36" 5hp- 36270cfm	120	12x16	1
TDD-FP-16-16-50-CP	16'-0"	16'-0"	50'-0"	18'-0"	19'-6"	50'-4"	28	4	176	(2)42" 5hp- 42870cfm	150	12x16	1
TDD-FP-16-16-60-CP	16'-0"	16'-0"	60'-0"	18'-0"	19'-6"	60'-4"	30	8	216	(4)30" 5hp- 59980cfm	180	12x16	2
TDD-FP-16-18-24-CP	16'-0"	18'-0"	24'-0"	18'-0"	21'-6"	24'-4"	14	4	72	(2)30" 3hp- 24440cfm	48	12x18	1
TDD-FP-16-18-26-CP	16'-0"	18'-0"	26'-0"	18'-0"	21'-6"	26'-4"	16	4	80	(2)30" 3hp- 24440cfm	78	12x18	1
TDD-FP-16-18-30-CP	16'-0"	18'-0"	30'-0"	18'-0"	21'-6"	30'-4"	17	4	96	(2)30" 5hp- 29990cfm	90	12x18	1
TDD-FP-16-18-36-CP	16'-0"	18'-0"	36'-0"	18'-0"	21'-6"	36'-4"	21	4	120	(2)36" 5hp- 36270cfm	108	12x18	1
TDD-FP-16-18-40-CP	16'-0"	18'-0"	40'-0"	18'-0"	21'-6"	40'-4"	26	4	136	(2)36" 5hp- 36270cfm	120	12x18	1
TDD-FP-16-18-50-CP	16'-0"	18'-0"	50'-0"	18'-0"	21'-6"	50'-4"	32	4	176	(2)42" 5hp- 42870cfm	150	12x18	1
TDD-FP-16-18-60-CP	16'-0"	18'-0"	60'-0"	18'-0"	21'-6"	60'-4"	36	8	216	(4)30" 5hp- 59980cfm	180	12x18	2

Model	Working Dimensions			Outside Dimensions			Fixtures		Exhaust Filters	Exhaust Fan Size	Intake Filters	Product Door Size	Man Doors
	Width	Height	Depth	Width	Height	Depth	Std Lights	Class I Div II					
<b>18' - 0" Wide</b>													
TDD-FP-18-14-30-CP	18'-0"	14'-0"	30'-0"	20'-0"	17'-6"	30'-4"	16	4	96	(2)30" 5hp- 29990cfm	105	14x14	1
TDD-FP-18-14-36-CP	18'-0"	14'-0"	36'-0"	20'-0"	17'-6"	36'-4"	20	4	120	(2)36" 5hp- 36270cfm	126	14x14	1
TDD-FP-18-14-40-CP	18'-0"	14'-0"	40'-0"	20'-0"	17'-6"	40'-4"	22	4	136	(2)42" 5hp- 42870cfm	140	14x14	1
TDD-FP-18-14-50-CP	18'-0"	14'-0"	50'-0"	20'-0"	17'-6"	50'-4"	27	4	176	(2)42" 7.5hp- 51800cfm	175	14x14	1
TDD-FP-18-14-60-CP	18'-0"	14'-0"	60'-0"	20'-0"	17'-6"	60'-4"	29	8	216	(4)30" 5hp- 59980cfm	210	14x14	2
TDD-FP-18-16-30-CP	18'-0"	16'-0"	30'-0"	20'-0"	19'-6"	30'-4"	17	4	96	(2)30" 5hp- 29990cfm	105	14x16	1
TDD-FP-18-16-36-CP	18'-0"	16'-0"	36'-0"	20'-0"	19'-6"	36'-4"	21	4	120	(2)36" 5hp- 36270cfm	126	14x16	1
TDD-FP-18-16-40-CP	18'-0"	16'-0"	40'-0"	20'-0"	19'-6"	40'-4"	26	4	136	(2)42" 5hp- 42870cfm	140	14x16	1
TDD-FP-18-16-50-CP	18'-0"	16'-0"	50'-0"	20'-0"	19'-6"	50'-4"	32	4	176	(2)42" 7.5hp- 51800cfm	175	14x16	1
TDD-FP-18-16-60-CP	18'-0"	16'-0"	60'-0"	20'-0"	19'-6"	60'-4"	36	8	216	(4)30" 5hp- 59980cfm	210	14x16	2
TDD-FP-18-18-30-CP	18'-0"	18'-0"	30'-0"	20'-0"	21'-6"	30'-4"	20	4	96	(2)30" 5hp- 29990cfm	105	14x18	1
TDD-FP-18-18-36-CP	18'-0"	18'-0"	36'-0"	20'-0"	21'-6"	36'-4"	24	4	120	(2)36" 5hp- 36270cfm	126	14x18	1
TDD-FP-18-18-40-CP	18'-0"	18'-0"	40'-0"	20'-0"	21'-6"	40'-4"	28	4	136	(2)42" 5hp- 42870cfm	140	14x18	1
TDD-FP-18-18-50-CP	18'-0"	18'-0"	50'-0"	20'-0"	21'-6"	50'-4"	36	4	176	(2)42" 7.5hp- 51800cfm	175	14x18	1
TDD-FP-18-18-60-CP	18'-0"	18'-0"	60'-0"	20'-0"	21'-6"	60'-4"	42	8	216	(4)30" 5hp- 59980cfm	210	14x18	2
<b>20' - 0" Wide</b>													
TDD-FP-20-14-30-CP	20'-0"	14'-0"	30'-0"	22'-0"	17'-6"	30'-4"	18	4	96	(2)36" 5hp- 36270cfm	120	16x14	1
TDD-FP-20-14-36-CP	20'-0"	14'-0"	36'-0"	22'-0"	17'-6"	36'-4"	20	4	120	(2)42" 5hp- 42870cfm	144	16x14	1
TDD-FP-20-14-40-CP	20'-0"	14'-0"	40'-0"	22'-0"	17'-6"	40'-4"	24	4	136	(2)42" 5hp- 42870cfm	160	16x14	1
TDD-FP-20-14-50-CP	20'-0"	14'-0"	50'-0"	22'-0"	17'-6"	50'-4"	26	8	176	(4)30" 5hp- 59980cfm	200	16x14	1
TDD-FP-20-14-60-CP	20'-0"	14'-0"	60'-0"	22'-0"	17'-6"	60'-4"	34	8	216	(4)36" 5hp- 72540cfm	240	16x14	2
TDD-FP-20-16-30-CP	20'-0"	16'-0"	30'-0"	22'-0"	19'-6"	30'-4"	20	4	96	(2)36" 5hp- 36270cfm	120	16x16	1
TDD-FP-20-16-36-CP	20'-0"	16'-0"	36'-0"	22'-0"	19'-6"	36'-4"	24	4	120	(2)42" 5hp- 42870cfm	144	16x16	1
TDD-FP-20-16-40-CP	20'-0"	16'-0"	40'-0"	22'-0"	19'-6"	40'-4"	28	4	136	(2)42" 5hp- 42870cfm	160	16x16	1
TDD-FP-20-16-50-CP	20'-0"	16'-0"	50'-0"	22'-0"	19'-6"	50'-4"	32	8	176	(4)30" 5hp- 59980cfm	200	16x16	1
TDD-FP-20-16-60-CP	20'-0"	16'-0"	60'-0"	22'-0"	19'-6"	60'-4"	40	8	216	(4)36" 5hp- 72540cfm	240	16x16	2
TDD-FP-20-18-30-CP	20'-0"	18'-0"	30'-0"	22'-0"	21'-6"	30'-4"	22	4	96	(2)36" 5hp- 36270cfm	120	16x18	1
TDD-FP-20-18-36-CP	20'-0"	18'-0"	36'-0"	22'-0"	21'-6"	36'-4"	28	4	120	(2)42" 5hp- 42870cfm	144	16x18	1
TDD-FP-20-18-40-CP	20'-0"	18'-0"	40'-0"	22'-0"	21'-6"	40'-4"	32	4	136	(2)42" 5hp- 42870cfm	160	16x18	1
TDD-FP-20-18-50-CP	20'-0"	18'-0"	50'-0"	22'-0"	21'-6"	50'-4"	38	8	176	(4)30" 5hp- 59980cfm	200	16x18	1
TDD-FP-20-18-60-CP	20'-0"	18'-0"	60'-0"	22'-0"	21'-6"	60'-4"	46	8	216	(4)36" 5hp- 72540cfm	240	16x18	2

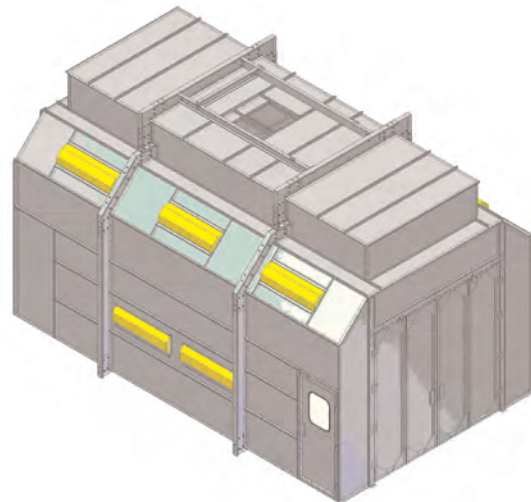
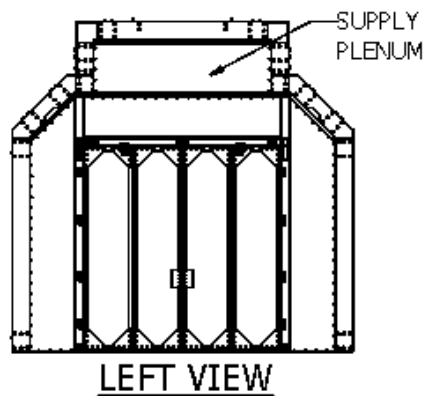
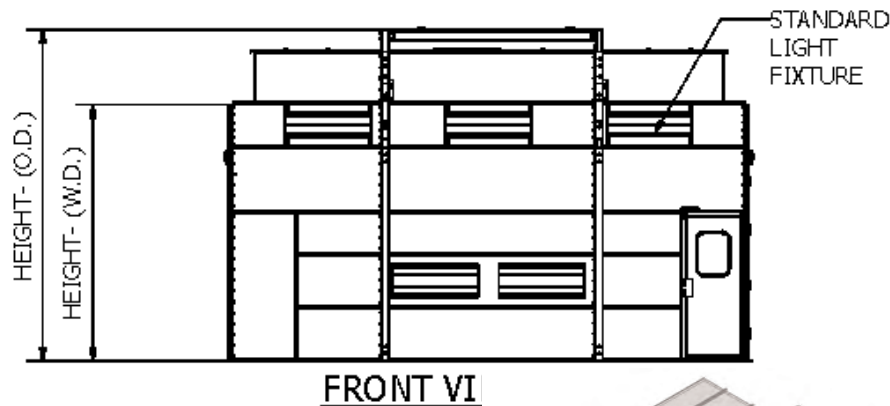
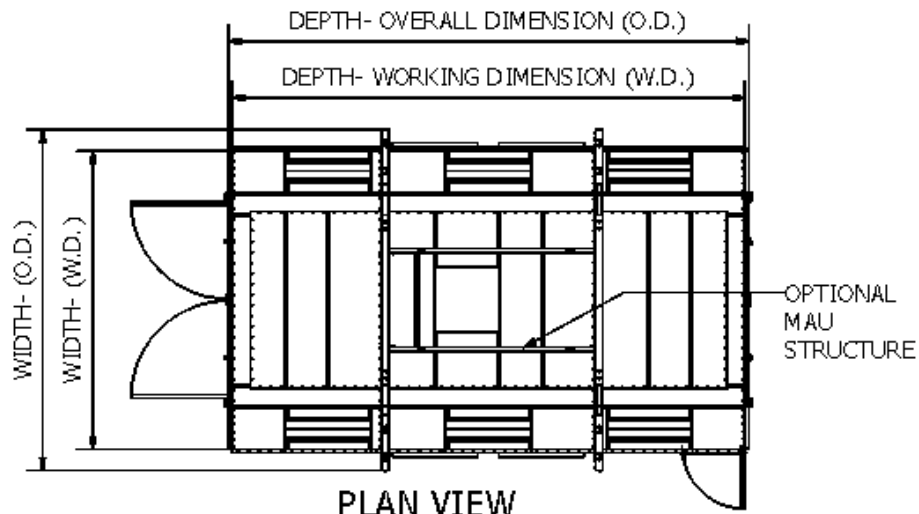
**Standard Design Notes:**

Down Draft Booth comes with Passive Ceiling Supply Air Plenum, 1 Product Door, and Man Door(s) (as required by code).

Standard booth structure is engineered for booth load only- optional MAU support engineering is available.

Product Door Sizing: Product Door clear opening is 12" less in width and 6" less in height than door size;

i.e. 10x12 door has 9'-0" width and 11'-6" height.



## STANDARD OPTIONS

- Heated Makeup Air Unit
- Drive-thru Configuration (additional Product Door)
- Replace Standard Product Door w/ Bi-fold
- Additional Man Door
- 100' / min. Velocity Airflow
- UL listed NEMA 12 industrial control panel
- Auto-booth pressure, VF-controlled exhaust system
- Seismic engineering

## CUSTOMIZABLE OPTIONS

- Custom sizing and configurations
- Powder coated white construction
- Crane rail support structure
- Conveyor system integration
- NESHAP 319 filtration
- ETL field evaluated label
- Actuated product doors
- Coiling roll-up doors
- High Capacity Product Load Grating