



Heavy Duty Line Vac



Heavy Duty Line Vac™

Our most powerful Line Vac moves high volumes of material and resists wear!



What Is The Heavy Duty Line Vac?

The Heavy Duty Line Vac is EXAIR's most powerful conveyor. The appearance is similar to the standard Line Vac but performance has been boosted dramatically. The Heavy Duty Line Vac has been engineered to convey materials over longer vertical and horizontal distances. The hardened alloy construction helps prevent premature wear that could occur with ordinary aluminum or stainless steel Line Vacs.

Why The Heavy Duty Line Vac?

Many applications require that materials be transported over longer distances. The Heavy Duty Line Vac can move more material over longer lengths. They have been designed for rugged, industrial applications.

The table below gives a quick comparison of our Light Duty Line Vac, standard Line Vac, and the Heavy Duty Line Vac models. For comparison, the test shows the 2" (51mm) model of each style conveying the same material over various lengths. Heavy Duty Line Vac conveys more material in less time.

Air Operated
Conveyors

Rock Salt Conveying Rate Comparison

	100 Feet (30.5m)	200 Feet (61m)
Model 130200 2" (51mm) Light Duty Line Vac	166 lbs/hr. (75.3 kg/hr.)	N/A
Model 6084 2" (51mm) Line Vac	334 lbs/hr. (151.5 kg/hr.)	85 lbs/hr. (38.6 kg/hr.)
Model 150200 2" (51mm) Heavy Duty Line Vac	524 lbs/hr. (237.7 kg/hr.)	200 lbs/hr. (90.7 kg/hr.)

Horizontal conveying tested at 80 PSIG (5.5 BAR)



The hardened alloy construction of the Heavy Duty Threaded Line Vac resists wear when conveying abrasive steel shot.

Applications

- Hopper loading
- Fiber tensioning
- Material conveying
- Waste/trim removal
- Chip removal
- Part transfer
- Filling operations

Advantages

- Hardened alloy construction
- Highest throughput capability
- Compact
- Quiet
- No moving parts
- Fits standard hose, tube and pipe
- Available from stock



Metal parts are conveyed with the Model 150200 2" (51mm) Heavy Duty Line Vac as they drop off the edge of the conveyor.

Heavy Duty Line Vac



Heavy Duty Threaded Line Vac

EXAIR's Heavy Duty Threaded Line Vac air operated conveyors convert ordinary pipe into a powerful conveying system for parts, scrap, trim and other bulk materials. The engineered Heavy Duty Threaded Line Vac attaches easily to ordinary NPT pipe and fittings available from any home center, hardware store or plumbers supply. With its hardened alloy construction, the Heavy Duty Threaded Line Vac withstands premature wear which could occur with aluminum and stainless steel.

Heavy Duty Line Vac Performance

80 PSIG (5.5 BAR)	Size		Air Consumption		Vacuum		
	Model	in	mm	SCFM	SLPM	"H ₂ O	kPa
	150075, 151075	0.75	19	26	736	-144	-36
	150100, 151100	1	25	35	991	-105	-26
	150125, 151125	1.25	32	49	1,388	-83	-21
	150150, 151150	1.50	38	55	1,557	-60	-15
	150200, 151200	2	51	75	2,124	-42	-10
	150250, 151250	2.50	64	90	2,548	-28	-7
	150300, 151300	3	76	108	3,058	-20	-5



Dimensions

For Heavy Duty Line Vac Dimensions, see:

Line Vac.....pg 170

Threaded Line Vacpg 176

Heavy Duty Line Vac Models

Heavy Duty Line Vac Only
Heavy Duty Line Vac Kits - include the Line Vac, mounting bracket, filter separator and pressure regulator (with coupler).

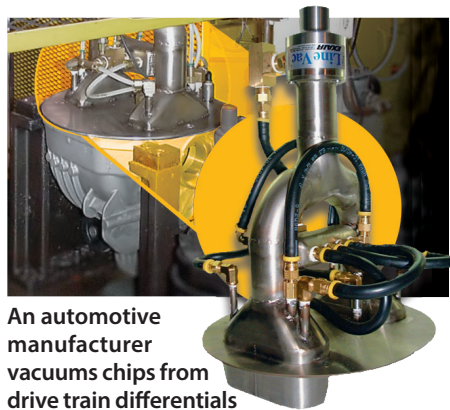
Inlet/Outlet Diameter	Heavy Duty Line Vac Only Model	Heavy Duty Line Vac Kit Model	Inlet/Outlet Thread Size	Heavy Duty Threaded Line Vac Only Model	Heavy Duty Threaded Line Vac Kit Model
3/4" (19mm)	150075	152075	3/4 NPT	151075	153075
1" (25mm)	150100	152100	1 NPT	151100	153100
1-1/4" (32mm)	150125	152125	1-1/4 NPT	151125	153125
1-1/2" (38mm)	150150	152150	1-1/2 NPT	151150	153150
2" (51mm)	150200	152200	2 NPT	151200	153200
2-1/2" (64mm)	150250	152250	2-1/2 NPT	151250	153250
3" (76mm)	150300	152300	3 NPT	151300	153300

Accessories

Model #	Description
6995	Mounting Bracket for 3/4" (19mm) and 1" (25mm) Line Vac Units
6996	Mounting Bracket for 1-1/4" (32mm) and 1-1/2" (38mm) Line Vac Units
6997	Mounting Bracket for 2" (51mm) and 2-1/2" (64mm) Line Vac Units
6998	Mounting Bracket for 3" (76mm) Line Vac Units
9001	Auto Drain Filter Separator, 3/8 NPT, 65 SCFM (1,841 SLPM)
9032	Auto Drain Filter Separator, 1/2 NPT, 90 SCFM (2,549 SLPM)
9002	Auto Drain Filter Separator, 3/4 NPT, 220 SCFM (6,230 SLPM)
9005	Oil Removal Filter, 3/8 NPT, 15-37 SCFM (425-1,048 SLPM)
9006	Oil Removal Filter, 3/4 NPT, 50-150 SCFM (1,416-4,248 SLPM)
9008	Pressure Regulator with Gauge, 1/4 NPT, 50 SCFM (1,416 SLPM)
9033	Pressure Regulator with Gauge, 1/2 NPT, 100 SCFM (2,832 SLPM)
9009	Pressure Regulator with Gauge, 3/4 NPT, 220 SCFM (6,230 SLPM)

Hose is available in 10', 20', 30', 40' and 50' lengths. Select the hose model number (diameter) and indicate the length with a dash. Example: A Model 6931-20 is 1" ID Hose x 20' long.

6930-	Hose 3/4" ID
6931-	Hose 1" ID
6932-	Hose 1-1/4" ID
6933-	Hose 1-1/2" ID
6934-	Hose 2" ID
6935-	Hose 2-1/2" ID
6936-	Hose 3" ID



An automotive manufacturer vacuums chips from drive train differentials with a Model 150200 2" (51mm) Heavy Duty Line Vac.



Heavy Duty Line Vac Kits include a Heavy Duty Line Vac, mounting bracket, filter separator and pressure regulator (with coupler).

Air Operated Conveyors

If you have special requirements, please contact an Application Engineer to discuss the application.



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