



## Threaded Line Vac™

**Low cost conveyor uses ordinary pipe!**

**Ideal for long distance conveying!**



Plastic color concentrate pellets are added to a plastic extrusion process.

### What Is The Threaded Line Vac?

A fast, low cost way to convey:

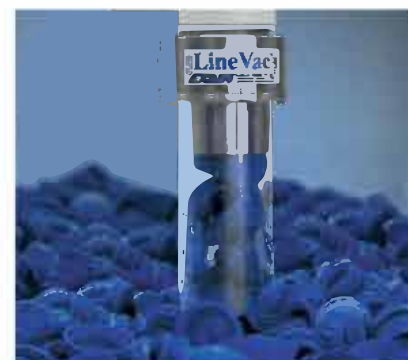
- Plastic pellets
- Scrap trim
- Textiles
- Bulk solids
- Chips
- Paper
- Small parts
- Shavings
- Sawdust
- Granules

EXAIR's Threaded Line Vac air operated conveyors convert ordinary pipe into a powerful conveying system for parts, scrap, trim and other bulk materials. The Threaded Line Vac attaches easily to plumbing pipe couplers, making it easy to build a complete system using ordinary pipe and fittings available from any home center, hardware store or plumbers supply. Performance is the same as our standard Line Vac shown on page 129.

Threaded Line Vac conveyors are ideal for conveying large volumes of material over long distances. They eject a small amount of compressed air to produce a vacuum on one end with high output flows on the other. Response is instantaneous. Regulating the compressed air pressure provides infinite control of the conveying rate. Models from 3/8 NPT to 3 NPT are available in aluminum and stainless steel, which are suited to a wide variety of conveying applications. An optional mounting bracket permits easy mounting. No moving parts or electricity assures maintenance free operation.



A drawer slide manufacturer conveys ball bearings with the Model 141125 1-1/4 NPT Stainless Steel Threaded Line Vac to an assembly station.



A special Threaded Line Vac has a smooth diameter for hose on the intake and threads on the exhaust that attach to PVC pipe.

#### Applications

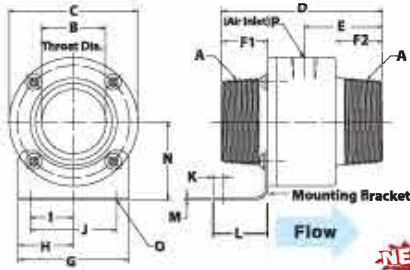
- Hopper loading
- Fiber tensioning
- Material conveying
- Waste/trim removal
- Chip removal
- Part transfer
- Filling operations

#### Advantages

- Compact
- Quiet
- No moving parts
- Fits standard pipe
- Aluminum or stainless steel
- Available from stock
- High throughput capability

## Dimensions

DOWNLOAD drawings at EXAIR.com



## Threaded Line Vac Performance

Model	80 PSIG (5.5 BAR)		Air Consumption		Vacuum	
	SCFM	SLPM	"H <sub>2</sub> O	kPa		
140038, 141038	5.60	158	-120	-29.9		
140050, 141050	7	198	-100	-24.9		
140075, 141075, 141075-316, HT141075, HT141075-316	10.70	303	-72	-18		
140100, 141100, 141100-316, HT141100, HT141100-316	14.70	416	-42	-11		
140125, 141125, 141125-316, HT141125, HT141125-316	25.90	733	-42	-11		
140150, 141150, 141150-316, HT141150, HT141150-316	33	934	-36.8	-9		
140200, 141200, 141200-316, HT141200, HT141200-316	45	1,274	-28.5	-7		
140250, 141250, 141250-316, HT141250, HT141250-316	58.50	1,656	-23.5	-6		
140300, 141300, 141300-316, HT141300, HT141300-316	68.50	1,939	-14.7	-4		

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## Threaded Line Vac Dimensions

Line Vac Models			A Pipe Size	B	C	D	E	F1	F2	G	H	I	J	K	L	M	N	O	P
Alum.	303 St. St.	316 St. St.																	
140038	141038	N/A	3/8 NPT	in 0.18 mm 5	1.00 25	2.83 72	1.13 29	1.23 31	0.72 18	1.25 32	0.62 16	0.41 10	0.82 21	0.17 4	1.13 29	0.06 2	1.07 27	0.18 5	1/8 NPT
140050	141050	N/A	1/2 NPT	in 0.31 mm 8	1.25 32	3.38 86	1.38 35	1.31 33	0.88 22	1.25 32	0.63 16	0.34 9	0.68 17	0.13 3	1.00 25	0.06 2	1.18 30	0.18 5	1/8 NPT
140075	141075	141075-316	3/4 NPT	in 0.50 mm 13	1.88 48	3.88 99	1.88 48	1 25	1 25	2 51	1 25	0.76 19	1.52 39	0.25 6	1.38 35	0.06 2	1.44 37	0.20 5	1/4 NPT
140100	141100	141100-316	1 NPT	in 0.75 mm 19	2.13 54	4.25 108	2.06 52	1.19 30	1.19 30	2 51	1 25	0.65 17	1.30 33	0.25 6	1.32 34	0.06 2	1.56 40	0.20 5	1/4 NPT
140125	141125	141125-316	1-1/4 NPT	in 1 mm 25	2.38 60	4.63 118	2.25 57	1.38 35	1.38 35	2.50 64	1.25 32	1 25	0.31 8	1.61 41	0.06 2	1.68 43	0.28 7	1/4 NPT	
140150	141150	141150-316	1-1/2 NPT	in 1.25 mm 32	2.75 70	4.63 118	2.25 57	1.38 35	1.38 35	2.50 64	1.25 32	0.86 22	1.73 44	0.25 6	1.44 37	0.06 2	1.88 48	0.28 7	3/8 NPT
140200	141200	141200-316	2 NPT	in 1.75 mm 44	3.25 83	4.63 118	2.25 57	1.38 35	1.38 35	3 76	1.50 38	1.17 30	2.34 59	0.28 7	1.48 38	0.06 2	2.13 54	0.28 7	3/8 NPT
140250	141250	141250-316	2-1/2 NPT	in 2.25 mm 57	3.75 95	5.38 137	2.56 65	1.81 46	1.69 43	3 76	1.50 38	1 25	0.31 8	1.44 37	0.06 2	2.38 60	0.28 7	3/8 NPT	
140300	141300	141300-316	3 NPT	in 2.75 mm 70	4.25 108	5.67 144	2.75 70	1.81 46	1.75 45	3.25 83	1.63 41	1.20 31	2.41 61	0.41 10	1.44 37	0.06 2	2.63 67	0.28 7	1/2 NPT

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Air Operated  
Conveyors

## Threaded Line Vac Dimensions

Line Vac Models			A Pipe Size	B	C	D	E	F1	F2	G	H	I	J	K	L	M	N	O	P
Heavy Duty	High Temp 303 SS	High Temp 316 SS																	
151075	HT141075	HT141075-316	3/4 NPT	in 0.50 mm 13	1.88 48	3.88 99	1.88 48	1 25	1 25	2 51	1 25	0.76 19	1.52 39	0.25 6	1.38 35	0.06 2	1.44 37	0.20 5	1/4 NPT
151100	HT141100	HT141100-316	1 NPT	in 0.75 mm 19	2.13 54	4.25 108	2.06 52	1.19 30	1.19 30	2 51	1 25	0.65 17	1.30 33	0.25 6	1.32 34	0.06 2	1.56 40	0.20 5	1/4 NPT
151125	HT141125	HT141125-316	1-1/4 NPT	in 1 mm 25	2.38 60	4.63 118	2.25 57	1.38 35	1.38 35	2.50 64	1.25 32	1 25	0.31 8	1.61 41	0.06 2	1.68 43	0.28 7	1/4 NPT	
151150	HT141150	HT141150-316	1-1/2 NPT	in 1.25 mm 32	2.75 70	4.63 118	2.25 57	1.38 35	1.38 35	2.50 64	1.25 32	0.86 22	1.73 44	0.25 6	1.44 37	0.06 2	1.88 48	0.28 7	3/8 NPT
151200	HT141200	HT141200-316	2 NPT	in 1.75 mm 44	3.25 83	4.63 118	2.25 57	1.38 35	1.38 35	3 76	1.50 38	1.17 30	2.34 59	0.28 7	1.48 38	0.06 2	2.13 54	0.28 7	3/8 NPT
151250	HT141250	HT141250-316	2-1/2 NPT	in 2.25 mm 57	3.75 95	5.38 137	2.56 65	1.81 46	1.69 43	3 76	1.50 38	1 25	0.31 8	1.44 37	0.06 2	2.38 60	0.28 7	3/8 NPT	
151300	HT141300	HT141300-316	3 NPT	in 2.75 mm 70	4.25 108	5.67 144	2.75 70	1.81 46	1.75 45	3.25 83	1.63 41	1.20 31	2.41 61	0.41 10	1.44 37	0.06 2	2.63 67	0.28 7	1/2 NPT

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## Threaded Line Vac Models

### Threaded Line Vac Only

Inlet/Outlet Thread Size	Aluminum Threaded Line Vac Only Model	Type 303 Stainless Steel Threaded Line Vac Only Model	High Temperature Type 303 Stainless Steel Threaded Line Vac Only Model	Type 316 Stainless Steel Threaded Line Vac Only Model	High Temperature Type 316 Stainless Steel Threaded Line Vac Only Model
<b>3/8 NPT</b>	140038	141038	N/A	N/A	N/A
<b>1/2 NPT</b>	140050	141050	N/A	N/A	N/A
<b>3/4 NPT</b>	140075	141075	HT141075	141075-316	HT141075-316
<b>1 NPT</b>	140100	141100	HT141100	141100-316	HT141100-316
<b>1-1/4 NPT</b>	140125	141125	HT141125	141125-316	HT141125-316
<b>1-1/2 NPT</b>	140150	141150	HT141150	141150-316	HT141150-316
<b>2 NPT</b>	140200	141200	HT141200	141200-316	HT141200-316
<b>NEW 2-1/2 NPT</b>	140250	141250	HT141250	141250-316	HT141250-316
<b>NEW 3 NPT</b>	140300	141300	HT141300	141300-316	HT141300-316

## Threaded Line Vac Kit Models

**Threaded Line Vac Kits** - include the Line Vac, mounting bracket, filter separator and pressure regulator (with coupler).

Inlet/Outlet Thread Size	Aluminum Threaded Line Vac Kit Model	Type 303 Stainless Steel Threaded Line Vac Kit Model	High Temperature Type 303 Stainless Steel Threaded Line Vac Kit Model	Type 316 Stainless Steel Threaded Line Vac Kit Model	High Temperature Type 316 Stainless Steel Threaded Line Vac Kit Model
<b>3/8 NPT</b>	142038	143038	N/A	N/A	N/A
<b>1/2 NPT</b>	142050	143050	N/A	N/A	N/A
<b>3/4 NPT</b>	142075	143075	HT143075	143075-316	HT143075-316
<b>1 NPT</b>	142100	143100	HT143100	143100-316	HT143100-316
<b>1-1/4 NPT</b>	142125	143125	HT143125	143125-316	HT143125-316
<b>1-1/2 NPT</b>	142150	143150	HT143150	143150-316	HT143150-316
<b>2 NPT</b>	142200	143200	HT143200	143200-316	HT143200-316
<b>NEW 2-1/2 NPT</b>	142250	143250	HT143250	143250-316	HT143250-316
<b>NEW 3 NPT</b>	142300	143300	HT143300	143300-316	HT143300-316

## Accessories

Model #	Description
<b>6994</b>	Mounting Bracket for 3/8 NPT and 1/2 NPT Threaded Line Vac Units
<b>6995</b>	Mounting Bracket for 3/4 NPT and 1 NPT Threaded Line Vac Units
<b>6996</b>	Mounting Bracket for 1-1/4 NPT and 1-1/2 NPT Threaded Line Vac Units
<b>6997</b>	Mounting Bracket for 2 NPT and 2-1/2 NPT Threaded Line Vac Units
<b>6998</b>	Mounting Bracket for 3 NPT Line Vac Units
<b>9001</b>	Auto Drain Filter Separator, 3/8 NPT, 65 SCFM (1,841 SLPM)
<b>9005</b>	Oil Removal Filter, 3/8 NPT, 15-37 SCFM (425-1,048 SLPM)
<b>9008</b>	Pressure Regulator with Gauge, 1/4 NPT, 50 SCFM (1,416 SLPM)



**Threaded Line Vac Kits include the Threaded Line Vac, mounting bracket, filter separator and pressure regulator (with coupler).**