

Threaded Line Vac™

Low cost conveyor uses ordinary pipe!

Ideal for long distance conveying!



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



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

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 152.

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.

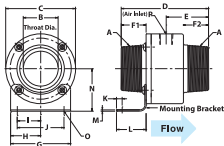
Applications

- 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



Threaded Line Vac Performance

80 PSIG (5.5 BAR)		Air Consumption		Vacuum	
Model		SCFM	SLPM	"H ₂ O	kPa
140038, 141038, 141038-316		5.60	158	-120	-29.9
140050, 141050, 141050-316		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

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	141038-316	3/8 NPT	in	0.19	1.00	2.83	1.13	1.23	0.72	1.25	0.63	0.41	0.82	0.17	1.13	0.06	1.07	0.18	1/8 NPT
			mm	5	25	72	29	31	18	32	16	10	21	4	29	2	27	5		
140050	141050	141050-316	1/2 NPT	in	0.31	1.25	3.38	1.38	1.31	0.88	1.25	0.63	0.34	0.68	0.13	1.00	0.06	1.18	0.18	1/8 NPT
			mm	8	32	86	35	33	22	32	16	9	17	3	25	2	30	5		
140075	141075	141075-316	3/4 NPT	in	0.50	1.88	3.88	1.88	1	1	2	1	0.76	1.52	0.25	1.38	0.06	1.44	0.20	1/4 NPT
			mm	13	48	99	48	25	25	51	25	19	39	6	35	2	37	5		
140100	141100	141100-316	1 NPT	in	0.75	2.13	4.25	2.06	1.19	1.19	2	1	0.65	1.30	0.25	1.32	0.06	1.56	0.20	1/4 NPT
			mm	19	54	108	52	30	30	51	25	17	33	6	34	2	40	5		
140125	141125	141125-316	1-1/4 NPT	in	1	2.38	4.63	2.25	1.38	1.38	2.50	1.25	1	2	0.31	1.61	0.06	1.68	0.28	1/4 NPT
			mm	25	60	118	57	35	35	64	32	25	51	8	41	2	43	7		
140150	141150	141150-316	1-1/2 NPT	in	1.25	2.75	4.63	2.25	1.38	1.38	2.50	1.25	0.86	1.73	0.25	1.44	0.06	1.88	0.28	3/8 NPT
			mm	32	70	118	57	35	35	64	32	22	44	6	37	2	48	7		
140200	141200	141200-316	2 NPT	in	1.75	3.25	4.63	2.25	1.38	1.38	3	1.50	1.17	2.34	0.28	1.48	0.06	2.13	0.28	3/8 NPT
			mm	44	83	118	57	35	35	76	38	30	59	7	38	2	54	7		
140250	141250	141250-316	2-1/2 NPT	in	2.25	3.75	5.38	2.56	1.81	1.69	3	1.50	1	2	0.31	1.44	0.06	2.38	0.28	3/8 NPT
			mm	57	95	137	65	46	43	76	38	25	51	8	37	2	60	7		
140300	141300	141300-316	3 NPT	in	2.75	4.25	5.67	2.75	1.81	1.75	3.25	1.63	1.20	2.41	0.41	1.44	0.06	2.63	0.28	1/2 NPT
			mm	70	108	144	70	46	45	83	41	31	61	10	37	2	67	7		

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	1.88	3.88	1.88	1	1	2	1	0.76	1.52	0.25	1.38	0.06	1.44	0.20	1/4 NPT
			mm	13	48	99	48	25	25	51	25	19	39	6	35	2	37	5		
151100	HT141100	HT141100-316	1 NPT	in	0.75	2.13	4.25	2.06	1.19	1.19	2	1	0.65	1.30	0.25	1.32	0.06	1.56	0.20	1/4 NPT
			mm	19	54	108	52	30	30	51	25	17	33	6	34	2	40	5		
151125	HT141125	HT141125-316	1-1/4 NPT	in	1	2.38	4.63	2.25	1.38	1.38	2.50	1.25	1	2	0.31	1.61	0.06	1.68	0.28	1/4 NPT
			mm	25	60	118	57	35	35	64	32	25	51	8	41	2	43	7		
151150	HT141150	HT141150-316	1-1/2 NPT	in	1.25	2.75	4.63	2.25	1.38	1.38	2.50	1.25	0.86	1.73	0.25	1.44	0.06	1.88	0.28	3/8 NPT
			mm	32	70	118	57	35	35	64	32	22	44	6	37	2	48	7		
151200	HT141200	HT141200-316	2 NPT	in	1.75	3.25	4.63	2.25	1.38	1.38	3	1.50	1.17	2.34	0.28	1.48	0.06	2.13	0.28	3/8 NPT
			mm	44	83	118	57	35	35	76	38	30	59	7	38	2	54	7		
151250	HT141250	HT141250-316	2-1/2 NPT	in	2.25	3.75	5.38	2.56	1.81	1.69	3	1.50	1	2	0.31	1.44	0.06	2.38	0.28	3/8 NPT
			mm	57	95	137	65	46	43	76	38	25	51	8	37	2	60	7		
151300	HT141300	HT141300-316	3 NPT	in	2.75	4.25	5.67	2.75	1.81	1.75	3.25	1.63	1.20	2.41	0.41	1.44	0.06	2.63	0.28	1/2 NPT
			mm	70	108	144	70	46	45	83	41	31	61	10	37	2	67	7		

Air-Operated
Compressors

Threaded Line Vac

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
3/8 NPT	140038	141038	N/A	141038-316	N/A
1/2 NPT	140050	141050	N/A	141050-316	N/A
3/4 NPT	140075	141075	HT141075	141075-316	HT141075-316
1 NPT	140100	141100	HT141100	141100-316	HT141100-316
1-1/4 NPT	140125	141125	HT141125	141125-316	HT141125-316
1-1/2 NPT	140150	141150	HT141150	141150-316	HT141150-316
2 NPT	140200	141200	HT141200	141200-316	HT141200-316
2-1/2 NPT	140250	141250	HT141250	141250-316	HT141250-316
3 NPT	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
3/8 NPT	142038	143038	N/A	143038-316	N/A
1/2 NPT	142050	143050	N/A	143050-316	N/A
3/4 NPT	142075	143075	HT143075	143075-316	HT143075-316
1 NPT	142100	143100	HT143100	143100-316	HT143100-316
1-1/4 NPT	142125	143125	HT143125	143125-316	HT143125-316
1-1/2 NPT	142150	143150	HT143150	143150-316	HT143150-316
2 NPT	142200	143200	HT143200	143200-316	HT143200-316
2-1/2 NPT	142250	143250	HT143250	143250-316	HT143250-316
3 NPT	142300	143300	HT143300	143300-316	HT143300-316

Accessories

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