

SINGLE STAGE

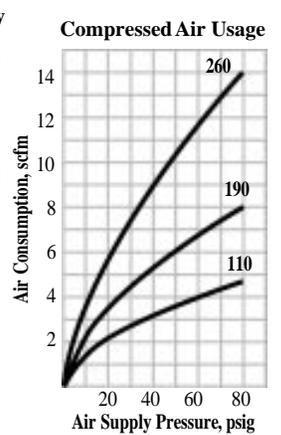
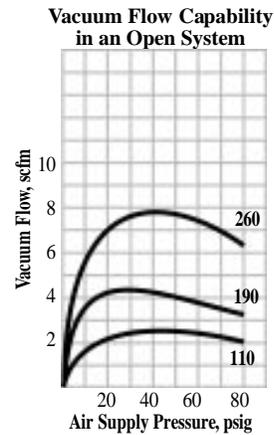
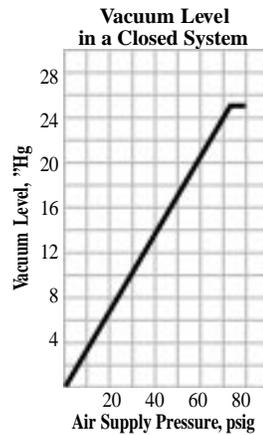


Single Stage design with straight thru vacuum passage is ideal for transporting or conveying solid materials. Simple two piece design has no gaskets or seals to wear.

“H” Version

Produces vacuum flow rates up to 7.6 scfm and vacuum levels up to 25.4”Hg.

Model Number	TD110H	TD190H	TD260H
“A” Diameter	9/64”	3/16”	1/4”
Vacuum Level, ”Hg	24.8	25.0	25.4
Vacuum Flow, scfm	2.3	4.2	7.6
Air Consumption, scfm	4.2	7.4	13.0
Weight, oz.	6	6	6



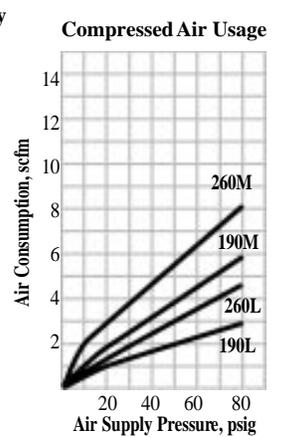
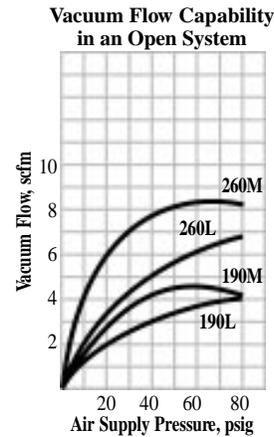
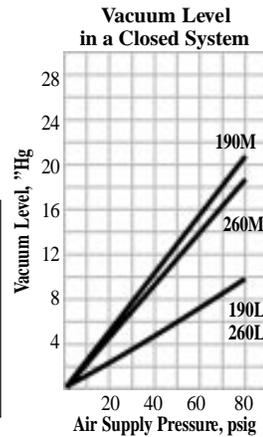
Time in Seconds to Evacuate a Volume of 1 Cubic Foot										
”Hg	1.5	3	6	9	12	15	18	21	24	
TD110H	1.2	2.6	6.3	10.4	18.7	30.5	52	80	129	
TD190H	.6	1.4	3.0	5.2	9.5	13.0	20.4	34.6	60	
TD260H	.3	.75	2.0	3.5	5.3	8.6	14.7	25.4	39	

Vacuum Flow Rate, scfm vs. Vacuum Level, ”Hg										
”Hg	0	1.5	3	6	9	12	15	18	21	24
TD110H	2.3	2.0	1.82	1.41	1.16	.82	.50	.34	.18	.08
TD190H	4.2	3.85	3.36	2.64	2.13	1.59	1.15	.80	.50	.31
TD260H	7.6	6.9	6.5	5.0	3.0	2.7	2.0	1.1	.66	.50

“M” and “L” Versions

Produce vacuum flow rates up to 8.3 scfm at low and medium levels of vacuum, *but with substantially lower levels of air consumption than the “H” versions.*

Model Number	TD190M	TD260M	TD190L	TD260L
“A” Diameter	3/16”	1/4”	3/16”	1/4”
Vacuum Level, ”Hg	18.5	17.0	9.5	9.0
Vacuum Flow, scfm	4.8	8.3	4.1	6.8
Air Consumption, scfm	5.5	7.6	2.9	4.3
Weight, oz.	6	6	6	6



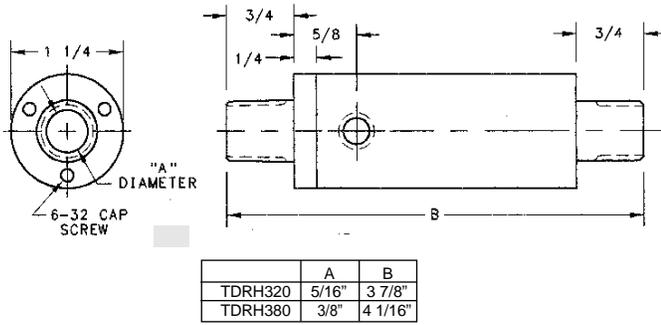
Time in Seconds to Evacuate a Volume of 1 Cubic Foot										
”Hg	1.5	3	6	9	12	15	18			
TD190M	.5	1.3	2.8	4.8	7.5	11.8	21.7			
TD260M	.3	.8	1.6	2.9	4.9	7.5				
TD190L	.6	1.3	4.3	8.7						
TD260L	.3	.8	2.5							

Vacuum Flow Rate, scfm vs. Vacuum Level, ”Hg										
”Hg	0	1.5	3	6	9	12	15	18		
TD190M	4.8	3.7	3.25	2.7	2.25	1.62	.96	.38		
TD260M	8.3	6.9	5.0	4.6	3.1	2.3	1.8			
TD190L	4.1	3.6	2.65	1.61	.47					
TD260L	6.8	6.0	4.3	2.3						

• Materials of construction: anodized aluminum - other materials available.
 • Operating temperature: 0½ to 400½F

• All data recorded at 70-75 psig air supply.

SINGLE STAGE

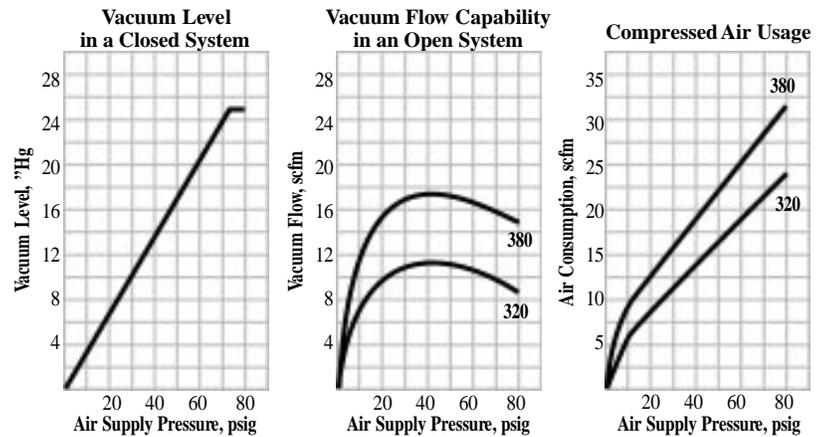


Single Stage design with straight thru vacuum passage is ideal for transporting or conveying solid materials. Simple two piece design has no gaskets or seals to wear.

"H" Version

Produces vacuum flow rates up to 17.1 scfm and vacuum levels up to 25.2"Hg.

Model Number	TDRH320H	TDRH380H
"A" Diameter	5/16"	3/8"
Vacuum Level, "Hg	24.5	25.2
Vacuum Flow, scfm	10.9	17.1
Air Consumption, scfm	22.5	30.0
Weight, oz.	5	5

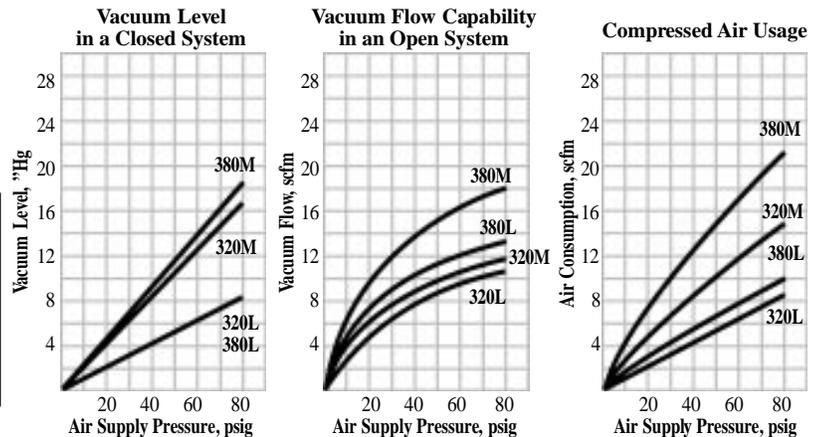


Time in Seconds to Evacuate a Volume of 1 Cubic Foot										Vacuum Flow Rate, scfm vs. Vacuum Level, "Hg												
"Hg	1.5	3	6	9	12	15	18	21			"Hg	0	1.5	3	6	9	12	15	18	21		
TDRH320H	.2	.6	1.2	2.1	3.2	4.8	7.7	13.2			TDRH320H	10.9	8.3	7.5	6.1	4.9	3.7	2.9	1.9	1.2		
TDRH380H	.2	.4	.9	1.5	2.5	4.1	5.9	9.4			TDRH380H	17.1	11.5	10.4	8.3	6.5	4.7	3.3	2.6	1.6		

"M" and "L" Versions

Produce vacuum flow rates up to 17.6 scfm at medium or low levels of vacuum, *but with substantially lower levels of air consumption than the "H" versions.*

Model Number	TDRH320M	TDRH380M	TDRH320L	TDRH380L
"A" Diameter	5/16"	3/8"	5/16"	3/8"
Vacuum Level, "Hg	15.5	17.6	7.2	7.5
Vacuum Flow, scfm	11.3	17.6	10.1	12.5
Air Consumption, scfm	13.7	20.0	7.9	9.4
Weight, oz.	5	5	5	5

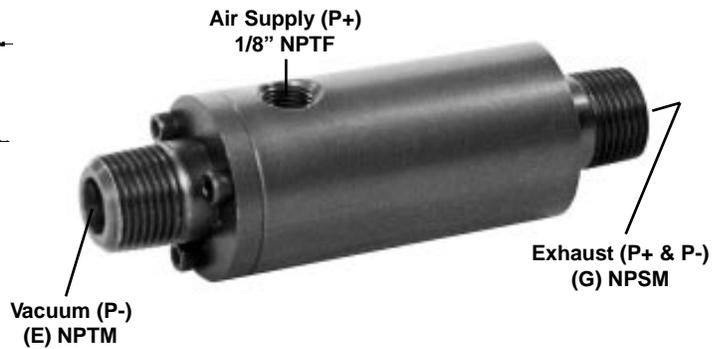
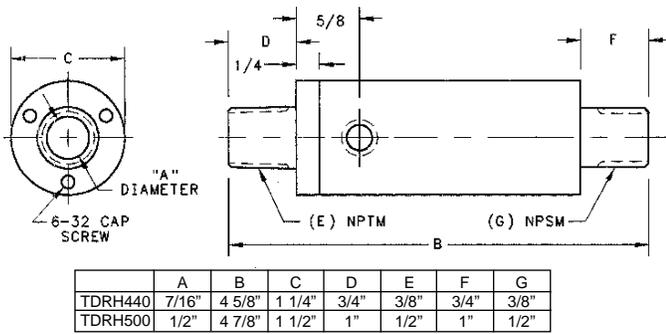


Time in Seconds to Evacuate a Volume of 1 Cubic Foot										Vacuum Flow Rate, scfm vs. Vacuum Level, "Hg												
"Hg	1.5	3	6	9	12	15					"Hg	0	1.5	3	6	9	12	15				
TDRH320M	.2	.6	1.3	2.2	3.7	7.0					TDRH320M	11.3	9.6	8.5	6.4	4.2	2.1	0.5				
TDRH380M	.1	.3	.7	1.4	2.6	4.2					TDRH380M	17.6	15.2	14.5	11.5	8.5	5.5	2.6				
TDRH320L	.4	.7	1.6								TDRH320L	10.1	8.0	5.8	1.7							
TDRH380L	.1	.4	1.3								TDRH380L	12.5	9.7	7.2	2.4							

• Materials of construction: anodized aluminum - other materials available.
 • Operating temperature (degrees): 0 to 400 F

• All data recorded at 70-75 psig air supply.

SINGLE STAGE

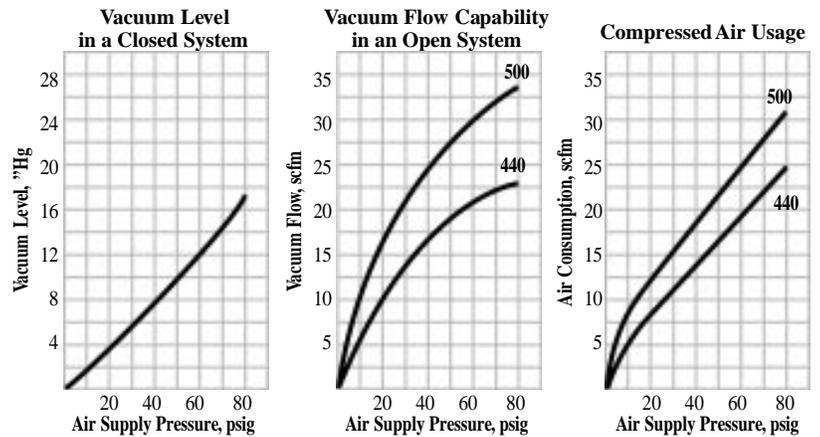


Single Stage design with straight thru vacuum passage is ideal for transporting or conveying solid materials. Simple two piece design has no gaskets or seals to wear.

"M" Version

Produces vacuum flow rates up to 33.0 scfm and vacuum levels up to 15.5"Hg.

Model Number	TDRH440M	TDRH500M
"A" Diameter	7/16"	1/2"
Vacuum Level, "Hg	15.5	15.0
Vacuum Flow, scfm	22.5	33.0
Air Consumption, scfm	23.5	29.7
Weight, oz.	6	8

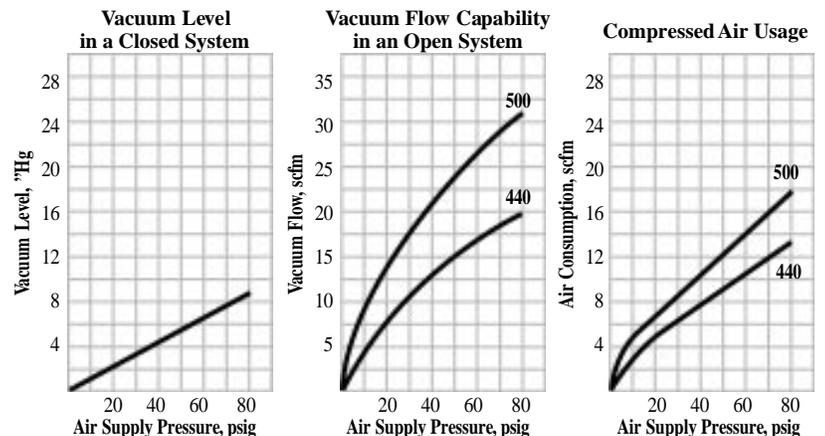


Time in Seconds to Evacuate a Volume of 1 Cubic Foot								Vacuum Flow Rate, scfm vs. Vacuum Level, "Hg								
"Hg	1.5	3	6	9	12			"Hg	0	1.5	3	6	9	12		
TDRH440M	.1	.2	.6	1.1	2.3			TDRH440M	22.5	18.4	15.5	11.0	6.9	2.7		
TDRH500M	.1	.2	.3	.7	1.2			TDRH500M	33.0	29.8	28.5	20.9	12.6	5.2		

"L" Version

Produces vacuum flow rates up to 29.7 scfm at low levels of vacuum, *but with substantially lower levels of air consumption than the "M" versions.*

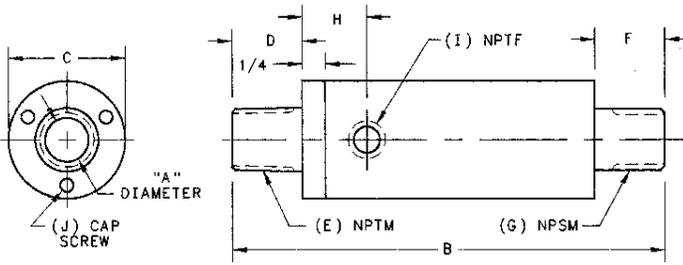
Model Number	TDRH440L	TDRH500L
"A" Diameter	7/16"	1/2"
Vacuum Level, "Hg	7.5	8.0
Vacuum Flow, scfm	18.6	29.7
Air Consumption, scfm	12.0	16.0
Weight, oz.	6	8



Vacuum Flow Rate, scfm vs. Vacuum Level, "Hg							
"Hg	0	1.5	3	4.5	6	7.5	
TDRH440L	18.6	15	11	7.5	3.8		
TDRH500L	29.7	23	18	13	9.9	2.1	

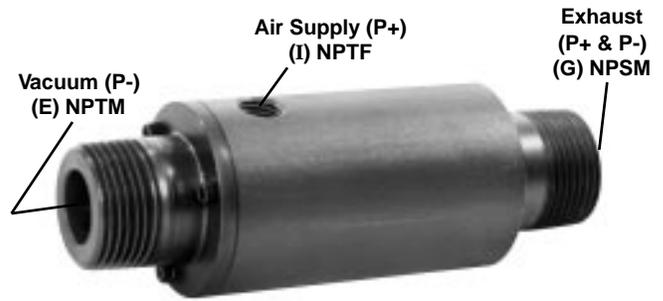
• Materials of construction: anodized aluminum - other materials available.
• Operating temperature (degrees): 0 to 400 F

• All data recorded at 70-75 psig air supply.



	A	B	C	D	E	F	G	H	I	J
TDRH750	3/4"	6"	2"	1 1/4"	1"	1 1/4"	1"	27/32"	1/4"	6-32
TDRH1000	1"	6 1/4"	2"	1 1/4"	1"	1 1/4"	1"	27/32"	1/4"	6-32
TDRH1250	1 1/4"	7"	2 1/4"	1 1/4"	1 1/4"	1 3/8"	1 1/4"	27/32"	1/4"	6-32
TDRH1500	1 1/2"	7 9/16"	3"	1 9/16"	1 1/2"	1 3/4"	1 1/2"	29/32"	3/8"	8-32
TDRH1750	1 3/4"	7 3/4"	3 1/4"	1 1/2"	2"	1 3/4"	2"	29/32"	3/8"	8-32
TDRH2000	2"	7 3/4"	3 1/2"	1 1/2"	2"	1 3/4"	2"	29/32"	3/8"	1/4"

SINGLE STAGE

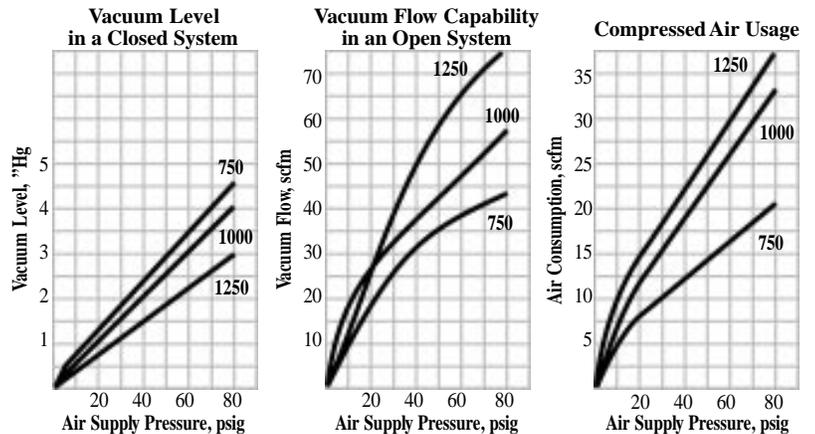


Single Stage design with straight thru vacuum passage is ideal for transporting or conveying solid materials. Simple two piece design has no gaskets or seals.

"L" Version

Produces vacuum flow rates up to 76 scfm and vacuum levels up to 4.1"Hg.

Model Number	TDRH750L	TDRH1000L	TDRH1250L
"A" Diameter	3/4"	1"	1-1/4"
Vacuum Level, "Hg	4.1	3.7	2.7
Vacuum Flow, scfm	43.0	57.0	76.0
Air Consumption, scfm	19.7	33.0	37.3
Weight, oz.	20	16	20

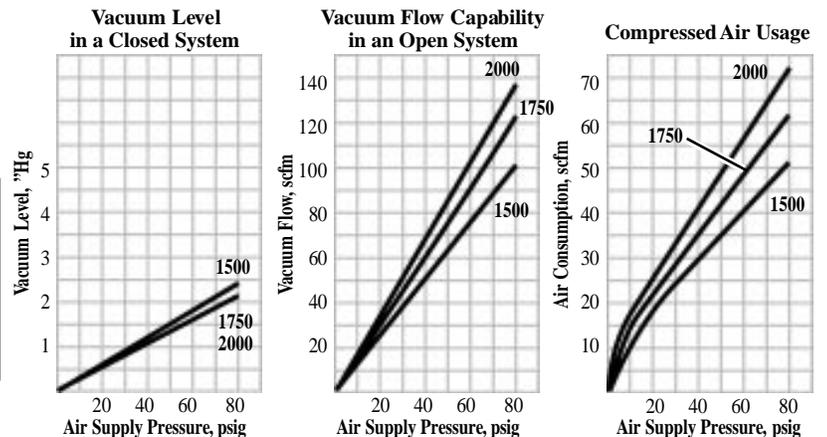


"Hg	0	.75	1.5	2.25	3	3.75
TDRH750L	43	38	29	13	5.0	2.3
TDRH1000L	57	45	32	26	10	
TDRH1250L	76	57	33	12		

"L" Version

Produces vacuum flow rates up to 128 scfm, and vacuum levels up to 2.3"Hg.

Model Number	TDRH1500L	TDRH1750L	TDRH2000L
"A" Diameter	1-1/2"	1-3/4"	2"
Vacuum Level, "Hg	2.3	2.1	2.0
Vacuum Flow, scfm	95.0	115.0	128.0
Air Consumption, scfm	50.0	60.0	72.0
Weight, oz.	40	52	52



"Hg	0	.75	1.5
TDRH1500L	95	65	33
TDRH1750L	115	74	32
TDRH2000L	128	80	31

• Materials of construction: anodized aluminum - other materials available.
 • Operating temperature (degrees): 0 to 400 F

• All data recorded at 70-75 psig air supply.