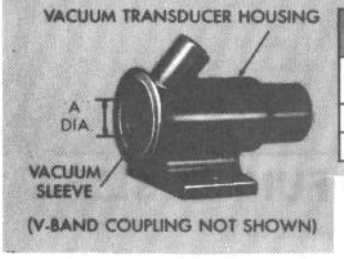
VT SERIES VACUUM TRANSDUCERS WITH STANDARD FUNNELS AND STANDARD CAPS

INTRODUCTION: A Vacuum Transducer is a complete vacuum source to which a compressed air line is attached. There is no machining necessary for installation. Air-Vac provides several different housings and attachments to make it easy for you to adapt Transducers to your application.

There are 3 different Models of Vacuum Transducers. The most popular are the VT Series, and are available in sizes from VT 320 to VT 940. They are always used with either a Funnel or a Cap.

VT SERIES VACUUM TRANSDUCERS



Vacuum Transducer Part Number	VT 320	VT 380	VT 440	VT 500	VT 560	VT 620	VT 680	VT 750	VT 940
Uses Vacuum Sleeve Part Number	VS 320	VS 380	VS 440	VS 500	VS 560	VS 620	VS 680	VS 750	VS 940
"A" DIA. of Vacuum Sleeve	.323	.377	.437	.500	.562	.625	.687	.750	.937
Area of "A" DIA. (in²)	.082	.112	.149	.196	.248	.307	.371	.441	.690

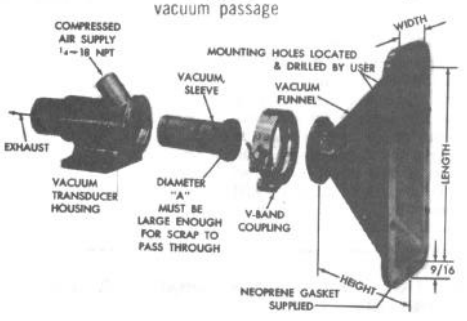
NOTE: See **Vacuum Sleeve Chart** on Page 442 of this catalog for vacuum readings at various pressures. Price of Unit includes Vacuum Sleeve, Housing and V-Band Coupling.

TO MAKE A COMPLETE UNIT YOU REQUIRE A FUNNEL OR CAP ATTACHMENT FOR THE VACUUM TRANSDUCER

The following is an example of a complete part number:

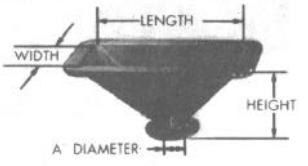
VT 380 F 2

VT: Transducer Series; 380: "A" dia. of vacuum passage; F 2: Size of Funnel or Cap.

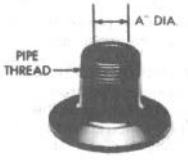


EXPLODED VIEW OF A COMPLETE UNIT

VACUUM FUNNEL



CAP



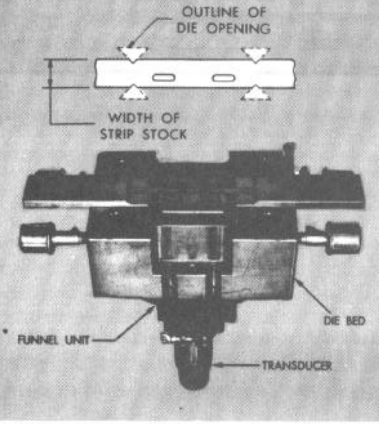
CI-320 Thru CI-940

	VACUUM FUNNEL PART NUMBER						
	F1	F2	F3	F4	F5	F6	F7
Width	1 5/16	1 13/16	2 5/16	3	4 3/8	2 3/8	2 7/8
Length	3 1/8	4 5/16	6	10	8 3/4	6	9 3/4
Height	1 5/16	2 5/16	3 1/16	5	4 1/2	2 3/4	5

FUNNELS F1 — F4 WILL FIT VT 320 — VT 940
FUNNELS F5 — F6 WILL FIT RT 1250 — RT 2000
FUNNEL F7 WILL FIT RT 1250 — RT 1500

Indicate "A" DIAMETER when ordering CAPS or FUNNELS separately.
Example: F6-1250, C1-750, F2-500.

HOW TO SELECT THE PROPER TRANSDUCER AND FUNNEL UNIT



NOTE: Many applications make it impractical to install just a Vacuum Sleeve by itself. Shown is a strip layout and portion of a die which requires vacuum to prevent 4 notches and 2 oblong slugs from pulling up with the punches. Since it would be impractical to install a **separate Sleeve** under each **separate die opening**, a Vacuum Transducer and Funnel Unit (which incorporates the Vacuum Sleeve) was attached to the bottom of the die bed to accommodate all six openings in one unit.

The "A" dia. of the unit is selected according to the following factors:
1. **The "A" DIA. must be approximately 1/8" larger than the longest dimension on pieces of scrap.**
2. **The "A" DIA. must be equal in area to the total area of die openings into funnel.**

For the example shown, the longest dimension is 5/16", which is the length of the oblong slug. The total area of the 4 triangular die openings and 2 oblong die openings equals .224 in.². This is approximately equivalent to an "A" DIAMETER of 5/16" (.248 in.²) Therefore, the TOTAL AREA FACTOR is greater than the LENGTH OF SCRAP FACTOR, and determines the size of the unit. The complete Part Number was VT 560 F2 Vacuum Transducer and Funnel Unit.