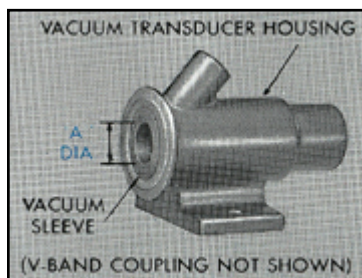


VT Series Vacuum Transducers

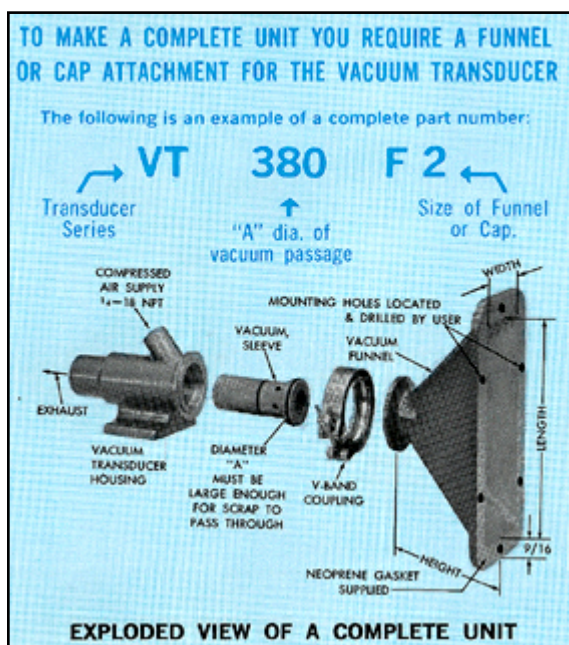
WITH STANDARD FUNNELS & STANDARD CAPS

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 Transducers. The most popular are the VT Series, and are available in sizes from VT320 to VT940. They are always used with either a Funnel or a Cap.



Vacuum Transducer Part Number	VT320	VT380	VT500	VT620	VT750	VT940
Uses Vacuum Sleeve Part Number	VS320	VS380	VS500	VS620	VS750	VS940
"A" DIA. of Vacuum Sleeve	0.323	0.377	0.500	0.625	0.750	0.937
Area of "A" DIA. (sq.in.)	0.082	0.112	0.196	0.307	0.441	0.690

NOTE: See **Vacuum Sleeve Chart** of Page 4 for this catalog for vacuum readings at various pressures. Price of unit includes Vacuum Sleeve, Housing, & V-Band Coupling.



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

The drawing at left is an example of a complete part number VT380 F2.



VACUUM FUNNEL PART NUMBERS

	F1	F2	F3
Width	1-5/16	1-13/16	2-5/16
Length	3-1/8	4-9/16	6
Height	1-9/16	2-5/16	3-1/16

FUNNELS F1 - F3 WILL FIT VT 320 - VT940

Indicate "A" DIAMETER when ordering CAPS or FUNNELS separately.

Example: F3-380, 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 the 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 square inches. This is approximately equivalent to an "A" DIAMETER of 9/16" (.248 square inches). 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 620 F2 Vacuum Transducer and Funnel Unit.

