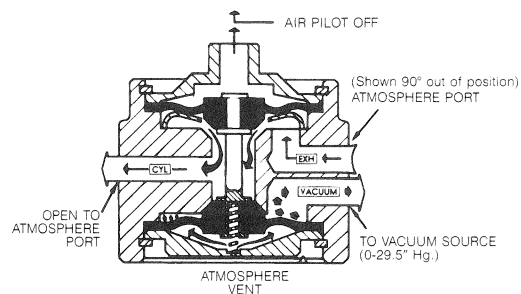
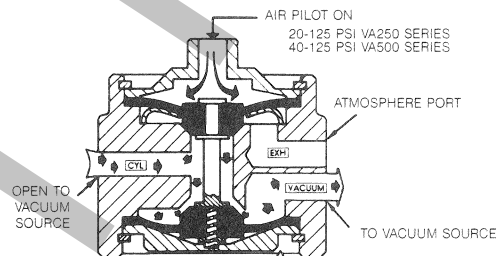


Humphrey® Air and Vacuum Piloted Vacuum Valves

Humphrey air and vacuum piloted valves are 2-position, 2-way or 3-way, normally closed only valves which require no lubrication, withstand contamination, and will not stick. They have no sliding seals subject to cutting and no metal seals subject to scratching. Full orifice throughout. For dimensions and other basic features, please consult equivalent model numbers (less VA- or VV-prefix) in the Air-Piloted Valves section of this catalog.



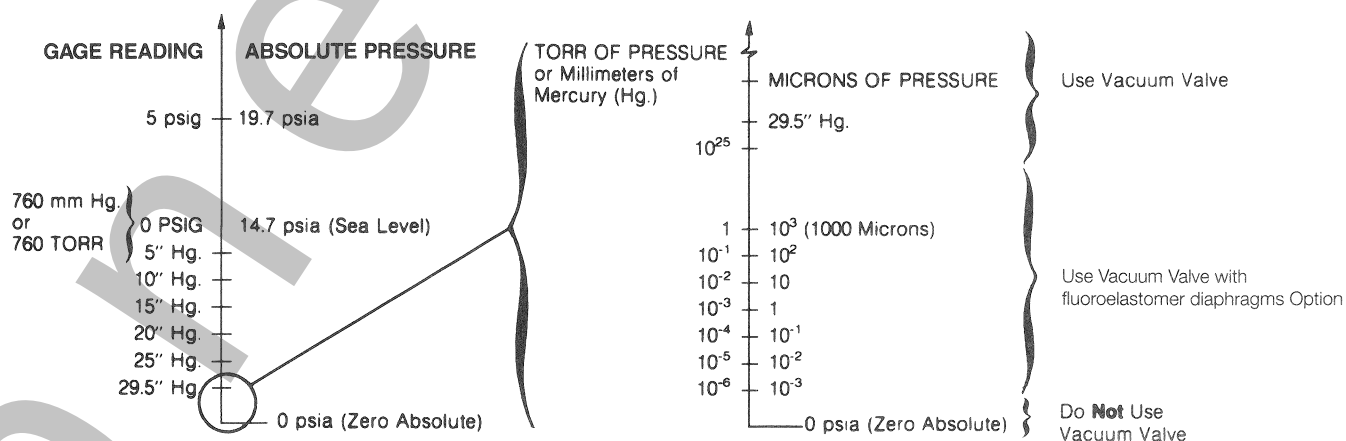
NORMAL



ACTUATED

This principle is employed in all Prefix "VA" piloted valves rated 0-29.5 inches Hg. For vacuums exceeding 29.0 inches Hg., order valves with fluoroelastomer diaphragms.

General Vacuum Information



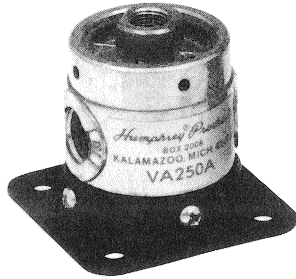
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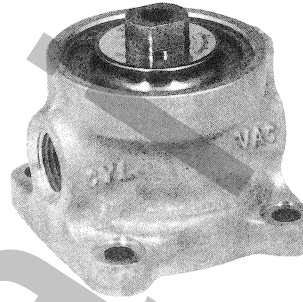
VA125A

Model VA125A is a full 0.125 inch orifice, air-piloted valve with spring and vacuum return. It requires an air pilot of 20 to 125 psig. Connections are 1/8 inch NPT.



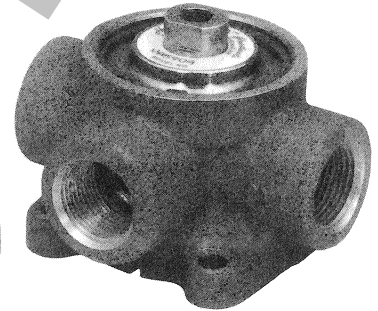
VA250A

Model VA250A is a full 0.250 inch orifice, air-piloted valve with spring- and vacuum-return. It requires an air pilot of 20 to 125 psig. Connections: 1/4-inch NPT.



VA500A

Model VA500A is the 0.500 inch orifice version of the VA250A valve but is furnished with brass body and requires an air pilot pressure of 40 to 125 psig.



VA590A

Model VA590A is the 0.625 inch orifice version of the VA500A valve but is furnished with an anodized aluminum body and 3/4-inch NPT connections.



Humphrey® Vacuum Valves

Order Information

Air/Vacuum Piloted Vacuum Valves

1/8-, 1/4-, 1/2-, 3/4-inch ports, 2-way, 3-way

VALVES

	2 Way	3 Way	Normally Closed	Normally Open	w/Out Mount. Base	With Mount. Base	FKM* Seals	Brass Body
Option Code	2	3	10	11	20	21	w/VAI	w/BRB
Model VA125A	SP	N/C	N/C	NA	STD	SP	SP	SP
VA250A	SP	N/C	N/C	NA	STD	SP	SP	SP
VA500A	SP	N/C	N/C	NA	NA	STD	SP	STD
VA590A	SP	N/C	N/C	NA	NA	STD	SP	SP

HOW TO ORDER *Fluoroelastomer

Starting with Model Number specify options in order from left to right.

Example: To Order Model VA125A-3-10-21

3-Way Operation (VA125-3)
Normally Closed (VA125-3-10)
With Mounting Base (VA125-3-10-21)

Remember: Option Codes marked STD and NA are not used as part of the Model Number when ordering. N/C indicates no charge but Option Code must be included in the Model Number. OS indicates that Option must be ordered separately and is not used as part of the Model Number.

N/C = No charge
NA = Not available
OS = Order separately,
additional charge
for this option

STD = Standard
SP = Specify, additional
charge for this option

Humphrey® Insert/Glue Valves

Order Information

Insert Valves

1/8-, 1/4-, 1/2-inch, 2-way, 3-way

"Y" SERIES

	Fluoroelastomer Seals
Option Code	w/VAI
Model Y125IN	SP
Y250IN	SP
Y500IN	SP

Order example: Y250IN

SP = Specify

Glue Valves

1/8-, 1/4-inch, 2-way

	Description
Model R322C	1/8" Valve w/fluoroelastomer diaphragms*
R561	1/8" Valve w/Teflon Profile Diaphragms*
R332	1/4" Valve w/fluoroelastomer diaphragms

Order example: R561

*Order mounting accessories separately.