

Automatic Sensing Valves or Flow Sensing Valves

ANVER stocks a large number of accessories for our small vacuum cup and suction cup lines. Automatic Flow Sensing Valves are available for all universal style vacuum cups and suction cups, and are best used in applications in which the vacuum cup does not fully cover the load, or is leaking air for other reasons. **These are only suitable for clean, dust-free applications as they become restricted easily.**

A float inside the valve seals the air passage from the cup to which it is attached, and prevents vacuum loss throughout the rest of the vacuum system. These valves are effective only on non-porous loads; a blow-off system is recommended to ensure that unwanted debris is purged after each cycle.

They can be used in any orientation on the cup, or in-line. The vacuum system needs enough capacity to close all ASV's when open to atmosphere.

Vacuum level is not as important, as flow to the vacuum system needs to be airtight; a filter is recommended. Using a flow meter, the valves can be adjusted.

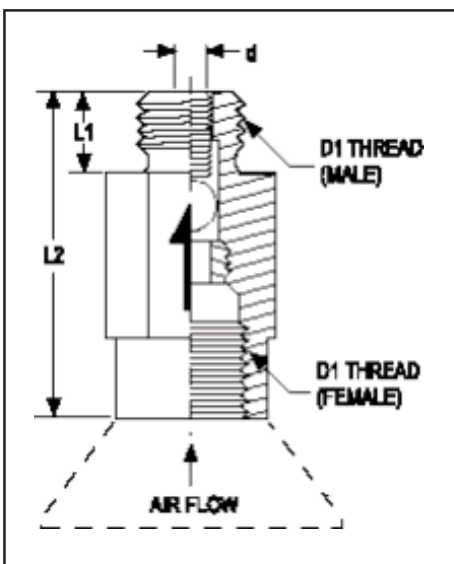
The valve is normally open; it closes when flow becomes excessive.

Note: Experience has shown that these valves are not suitable for dirty or dusty environments, as they clog easily.

If your application is dusty, save yourself aggravation by using filters between the cups and the vacuum pump. You can use a larger main pump with a larger, easily changed filter, or use our inline air-powered VR Vacuum Pumps with smaller vacuum filters on each cup line.



ANVER Item No.	"d" Diameter in. (mm)	"D1" Thread	"L1" Length in. (mm)	"L2" Length in. (mm)	Hex Size in. (mm)
ASV18	0.16 (4)	1/8" BSPP	0.26 (6.5)	1.42 (36)	0.51 (13)
ASV14	0.16 (4)	1/4" BSPP	0.33 (8.5)	1.50 (38)	0.67 (17)
ASV38	0.16 (4)	3/8" BSPP	0.47 (12)	1.65 (42)	0.87 (22)



NOTES:

The SLSA 1 and 2 suspensions can be used on the ASV18. The SLSA-2 fits on the ASV18 with an adapter but is sometimes a little too large for small cups. For this reason, the SLSA 1 can also be used as an alternative.

The "G" thread is a straight pipe thread also known as BSPP, BSP, NPS or "G", commonly used in Europe, Asia and most of the world.