

# 1" & 2" BI-FUNCTION AIR VALVE

Air vent & vacuum valve – model ARV-K-20 (PLASTIC)

### Valve Function

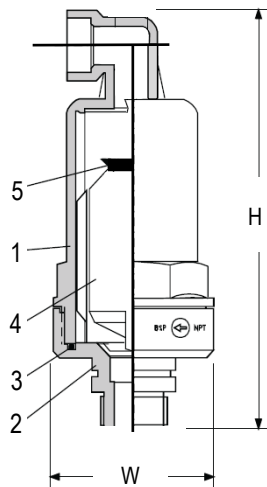
The Avarus Valves model ARV-K-20 bi-function air valve has 2 functions.

Function 1: The large orifice will vent large volumes of air from the system when it is being filled.

Function 2: The large orifice will allow large volumes of air to re-enter the system when being emptied.

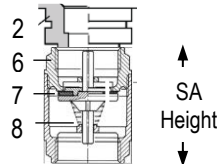
### Application

For potable or filtered water, working pressure 0.2 to 16 bar. Operating temperature -10 to +60°C, insulate at 0°C & below.



#	Materials of Construction	
1	Body	GRP (UV resistant)
2	Base	GRP (UV resistant)
3	O-ring	Nitrile rubber
4	Float	Polypropylene
5	Seat	EPDM rubber
6*	Surge Arrestor	Brass (other materials on request)
7*	Surge Arrestor Seat	Nitrile Rubber
8*	Surge Arrestor Spring	302 Stainless steel

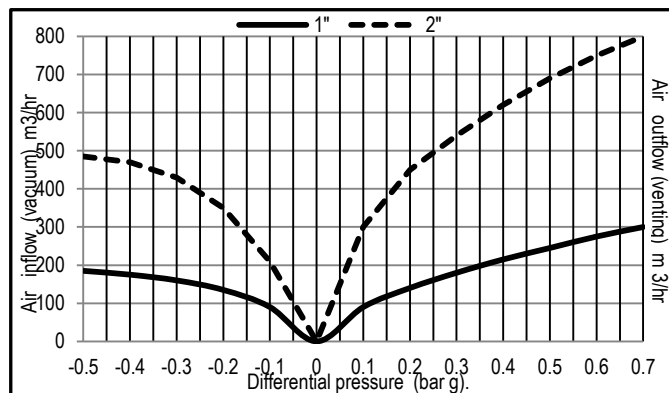
\* Fitted with optional surge arrester.



Valve size (inlet)	1" BSP screwed	2" BSP screwed
(W) Width mm	80	102
(H) Height mm	190	270
Weight kg	0.7	1.0
Surge Arrester Height	60	80

### Options

- Surge arrester – automatically reduces high venting velocity, therefore decreasing the pressure surge on valve closure.
- Isolation valve – it is recommended that air valves are fitted with an isolation valve.
- Adjustable throttle device – allows manual adjustment of the venting orifice size - can be easily be adjusted to suit whilst installed.



If you have any questions please feel free to ask us!