

Data Sheet:  
PAV20 web



## CORROSION RESISTANT AIR VALVES Series: PAV20

Designed specifically for the petrochemical / offshore market, the Avarus PAV series air valves can be made in various highly corrosion resistant materials that are durable in these associated severe environments and applications. Extensive material testing and certification can also be supplied to individual project or client requirements.

If delivery time is an issue, please contact us. We can offer a reduced delivery time in order to meet customer needs.

The Avarus Valves model **PAV20** 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

Suitable for sea water or corrosive fluid, working pressure 0.4 to 20 bar. Higher pressure rated valves are available. Operating temperature -10 to +60°C, insulate at sub-zero temperatures.



Materials of construction available are;  
Super Duplex, Titanium, Duplex, Stainless Steel, 6Mo, Hastelloy®, Monel®,  
Vistar®, Inconel®, Aluminium Bronze and Gunmetal.

Material testing is available to NORSOK MDS, TR2000, individual Company or Project requirements.

The dimensions in table  
are for our standard  
**PAV20**  
air valves fitted with  
an outlet shield.

Valve size	DN25	DN50	DN80	DN100
Width (mm)	225	225	245	245
Height (mm)	237	237	248	248
Weight (kg)	15	18	23	25

Contact us for  
higher capacity &  
larger size air valves

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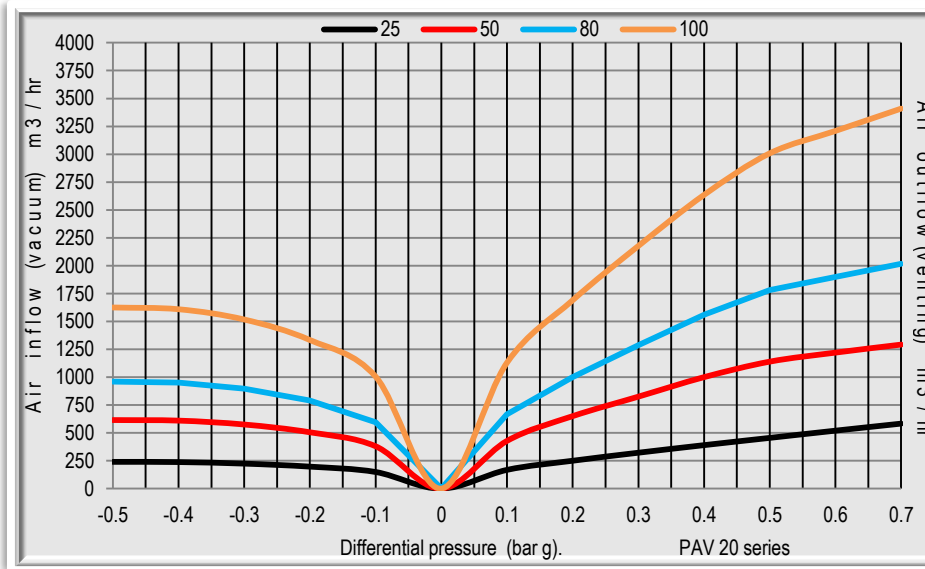
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**Sizing**

PAV20 air valves should be sized according to the pipeline or riser diameter. If air flow figures are available, then the below flow graph can be used. For fast start-up pump applications, please consult us, as an adjustable throttle device or surge arrestor can be fitted to the air valve to enable controlled venting.



Valve size	Recommended maximum pipeline diameter (mm)
DN25	250
DN50	400
DN80	500
DN100	600

Please consult **Avarus Valves Limited** for a detailed data sheet or if we can be of any assistance.