



**Safety air inlet valves**

- No evaporation of volatile compounds into lab air
- Better composition stability of the mobile phases
- Less shift of retention times
- No bacterial contamination
- Fit any VICI cap or VICI safety cap

The air inlet valve has a check valve which blocks vapors of the solution in a bottle, preventing the vapors from escaping into the lab. The mobile phase composition remains stable, resulting in constant retention times.

The check valve regulates the pressure when the negative pressure reaches 1.5 psi or 0.1 bar. This small negative pressure prevents evaporation of the liquid (lower vapor pressure) and still guarantees the stability of the flow rate. A negative pressure which is too high can influence the aspiration of a constant flow.

Several tests have indicated that the 0.2 µm cellulose filter will keep mobile phase liquid free of bacteria and dust particles over time. If you use a filter and still have bacteria growth in your liquid, it is likely due to the presence of bacteria in the deionized water used.

Air inlet valves fit on any VICI safety cap or VICI cap.

<i>Description</i>	<i>Product No.</i>
With 4 mm filter	JR-S-20003
With 15 mm filter	JR-S-20009
Without filter	JR-S-20006

**Spare parts**

Replacement cellulose filter	
0.2 µm x 4 mm	JR-S-20007
0.2 µm x 15 mm	JR-S-20008



**SPECS**

- Connections  
Valve to cap:  
1/4-28  
Filter:  
Female Luer
- Materials  
Housing:  
Polypropylene  
Filter: Cellulose  
O-ring: NBR  
(O-ring is not a wetted part)

**TECH TIPS**

- The air inlet valve is not suitable when helium sparging is used.
- We recommend that safety air inlet valves and safety air outlet valves be replaced every 6-7 months to guarantee correct operation of the check valve. The lifetime of the check valve and the filter depend on the intensity of use and the quality of the ambient air.

**RELATED PRODUCTS**

Safety caps ..... 62-63  
VICI caps ..... 64-65

**Safety air outlet filters**

The VICI safety air outlet filter regulates the pressure during helium sparging.

Air outlet filters fit on any VICI safety cap or VICI cap.

<i>Description</i>	<i>Product No.</i>
Safety air outlet filter	JR-S-20004



**SPECS**

- Connections  
Valve to cap:  
1/4-28  
Filter:  
Female Luer
- Materials  
Housing:  
Polypropylene  
Filter: Cellulose  
O-ring: NBR  
(O-ring is not a wetted part)