

ULTRA APL Valve

Instructions For Use

Intimate cap rotation gives accurate adjustment and control for adult and paediatric patients.

Clockwise rotation closes the valve down from the open position, through a mid-setting, to the closed position at 60cmH₂O (adult) or 40cmH₂O (paediatric). At the open position, the resistance-to-flow is less than 2cmH₂O at 10LPM. For safety purposes, the valve will not allow pressure in the breathing system to exceed 60cmH₂O (adult) or 40cmH₂O (paediatric).



Valve Settings

The valve is supplied in the OPEN position. To close the valve, rotate the cap in clockwise direction. This will maintain and limit gas pressure in the system. The cap settings, in relation to relief pressure, are shown below. The white tab on the valve body is the setting indicator. When the tabs on the valve cap are positioned directly over the white tab, then the valve setting will be in the OPEN, ½ or CLOSED position.



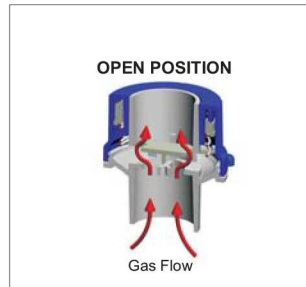
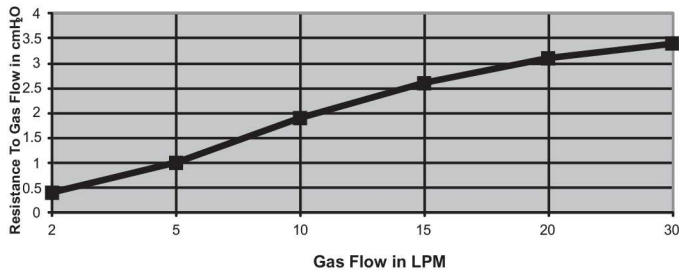
Warning

- DO NOT attempt to dismantle the valve for examination, maintenance or cleaning. The APL valve is bonded to the manifold connector
- Attempting to twist the valve cap beyond its 'stop' positions may result in dislocating the valve cap
- DO NOT obstruct the outlet port with any additional apparatus other than that supplied with the valve, as this may cause the valve diaphragm to become obstructed

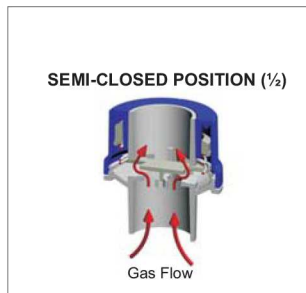
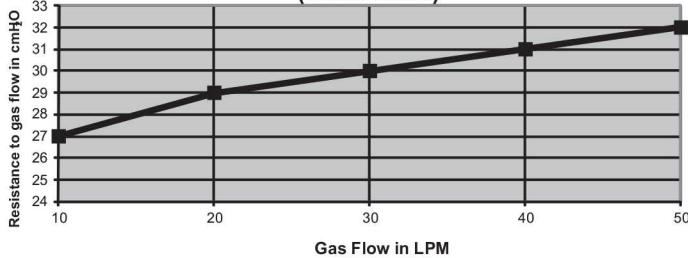
Scavenging Adapter

A scavenging adapter may be supplied with this breathing system. If gas scavenging is not required, the adapter may be removed by disconnecting the elbow from the outlet port on the valve. However, if the breathing system is to be used with anaesthetic gases we recommend that the scavenging adapter remains in place and is connected to the AGSS (active gas scavenging system).

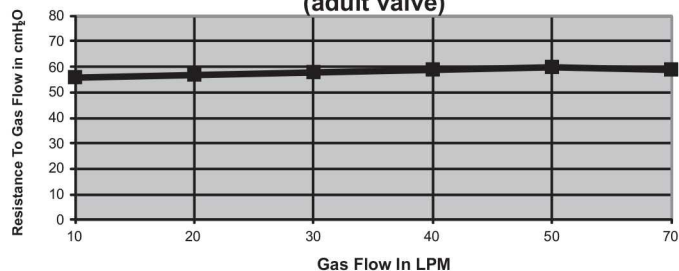
Valve performance at OPEN position



Valve Performance at SEMICLOSED Position (adult valve)



Valve Performance at FULLY CLOSED Position (adult valve)



Effect of Cap Rotation on Relief Pressure Adjustment (adult valve) tested in the upright position at 50L.min

