

BREATHING SUPPORT BS7145	Date Revised on 7/30/2012
	Unofficial
SUBJECT: Air Cascade System	Page 1 of 1

Air cascading simply means equalizing the pressure between the cylinder to be refilled (**SCBA Cylinder**) and the next lowest supply cylinder (**Bank 1**).

If this doesn't get the desired pressure in the **SCBA Cylinder**, **Bank 1** is turned off and the next highest supply cylinder (**Bank 2**) is opened and the pressure is allowed to equalize between the **SCBA Cylinder** and **Bank 2**.

If this still does not completely fill the **SCBA Cylinder**, turn off the Bank 2 valve. At this point the compressor needs to be running. Open the **Bypass valve** and allow the pressure from the compressor to finish filling the **SCBA Cylinder**.

- To fill Bank 1 or Bank 2 (from the Compressor) open the **"IN"** valves.
- To fill SCBA Cylinders (from Bank 1 or Bank 2) open the **"OUT"** valves.
- To fill SCBA Cylinders (from Compressor) open the **"BYPASS"** valve.

Remember to fill our SCBA Cylinders to 4700 to 4800 PSI

AIR FLOW CHART

