

VALVE PNEUS

From the Desk of Brenda Kogan



APPLICATION SPOTLIGHT: SUB-MICRO PUSH BUTTON VALVE HELPS CONTROL A SELF-CONTAINED BREATHING APPARATUS MASK

In the respiratory protection industry, maintaining a high level of quality is very important. Respiratory protection devices must be able to properly operate at a variety of pressures and temperatures in order to ensure consistent, quality respiration. Every component, no matter what size, must be properly engineered and installed to meet these standards.

Bimba | Pneumadyne worked with a respiratory protection company to design an air piloted valve to integrate with their self-contained breathing apparatus. The AMM-30-1616 Sub-Micro push button valves were chosen to replace a competitor's valve, which could not meet the higher flow rate or smaller valve package size required.

The valve needed to meet specific requirements, including operating temperatures down to -60° C at a pressure of 90-120 PSI, outside of the standard sub-micro valve specifications. **Bimba | Pneumadyne's** engineers modified the valve to use a different grease capable of meeting the temperature requirement and ensured the seals were also compatible with the reduced operating temperature. With only minor changes to the off-the-shelf model, the company's requirements were met, saving them further development time and money.



**AM-30-1616
Sub-Micro Valve**

For additional information on the Sub-Micro Valves, or if you would like to configure a valve for your application, please contact our [customer service team](#) or view the [catalog pages](#).

