

# Humphrey®

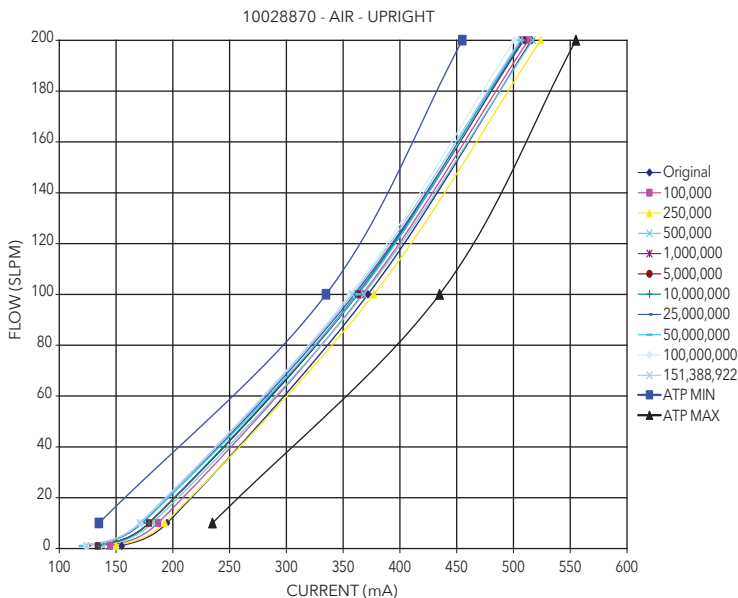
## ProCONTROL™

HIGH FLOW VALVE; 10032300

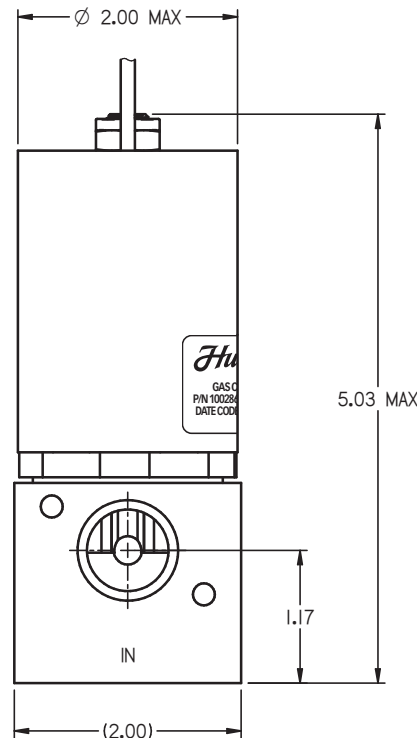
### SERVOID SERIES BALANCED PROPORTIONAL VALVE

#### FEATURES

- Ideal design for Patient Ventilation and Precision Air Delivery Control.
- Maximum flow rate of 200+ SLPM with inlet pressure as low as 8 PSIG or 1,000+SLPM with 75 PSIG inlet.
- Multiple control options: 0-500,0-600, 0-1,000 mA DC. Power is typically 5-8 watts at 68°F.
- Multiple designs with various exterior designs utilizing the same legacy core technology.
- Inert gases compatible with Aluminum and Silicone or Nitrile materials.
- Linear and Proportional design with custom factory calibration.
- Designed specifically for pneumatic applications.
- Excellent repeatability and reliability.
- Turn-Down ratios in excess of 10,000-1.



**LIFE CYCLE RESULTS:**  
0 to 151,000,000 CYCLES



**Humphrey**  
**LIFE SCIENCE GROUP**

SERVOID SERIES BALANCED PROPORTIONAL VALVE TECH DATA

# Humphrey®

## ProCONTROL™

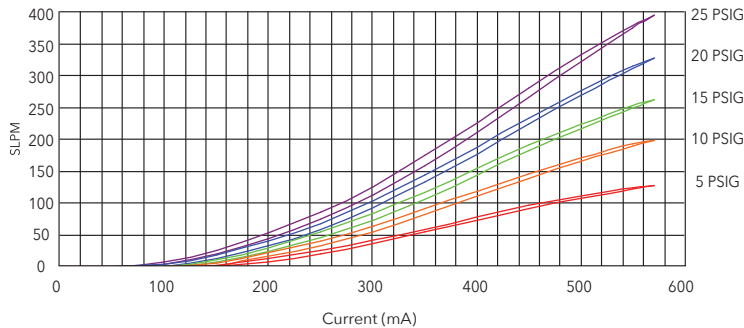
HIGH FLOW VALVE; 10032300

### SERVOID SERIES BALANCED PROPORTIONAL VALVE

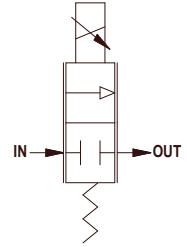
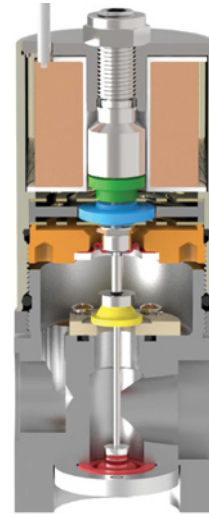
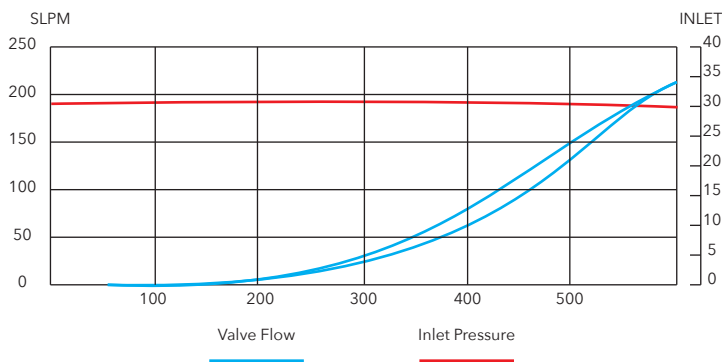
#### FEATURES (cont.)

- Factory calibration-fully adjustable to meet the most demanding applications.
- Self-aligning metal seats means reliable and repeatable performance.
- Excellent low flow characteristics.
- 100+ million cycle life.

Pressure Balanced - changes in upstream and downstream pressure do not affect poppet position.

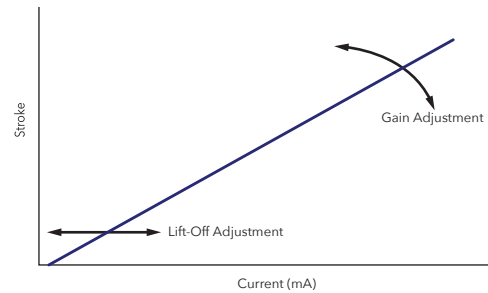


#### TYPICAL FLOW CURVE



FLOW SCHEMATIC

Flexible design allowing custom calibration of both gain and lift point to fit in with your control logic.



- Completely supported armature.
- No mechanical hysteresis.
- 10,000:1 turn down ratio.

