

ProControl™ Servoid Series Balanced Proportional Valve

High Flow Valve



Humphrey®

Humphrey's ProControl™ Servoid Series Balanced Proportional Valve was developed to provide accurate variable flow control of inert gases in critical applications. Utilizing a frictionless, flat-spring armature cartridge, Servoid achieves excellent characteristics and long life in a simple, compact construction. The pressure balanced construction ensures valve poppet position will not be influenced by upstream and downstream pressure changes.

Model 10032300 may be calibrated (set) to achieve a variety of flows and set at different inlet pressures. Consult factory.

FEATURES

- Ideal design for precision air or inert gas delivery control, including patient ventilation.
- Maximum flow rate of 200+SLPM with inlet pressure as low as 8 PSI. Consult factory for higher pressure and flow options.
- Standard control option 0-600 mA DC, 6 watt power at 68°F. Specials available upon request.
- Multiple integration and porting designs possible, utilizing the same internal core technology.
- Standard silicone seals and EPDM.
- Custom factory calibrations available to meet a variety of demanding applications.
- Excellent low flow characteristics, superior repeatability and reliability, 100+ million cycle life.
- Self-aligning metal seats featured for reliable and repeatable performance, especially at very low flow rates.



10032300



10032300
Without Adapters

ProControl™ Valve Family



ProControl™ Servoid Series Balanced Proportional Valve

STANDARD MODEL

10032300

Base Calibration: 200 SLPM @ 600 mA @ 11 PSI inlet

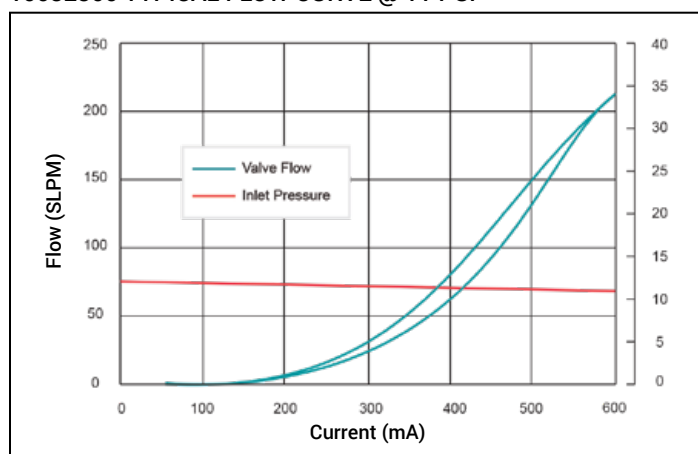
Humphrey ProControl™ family includes proportional valves and a valve driver. Allow our application specialists to assist you through assessment, selection and finalizing best proportional solution for your application.

Contact ProControl™ application specialists:
Toll Free 1.844.447.9009
procontrolway@humphrey-products.com

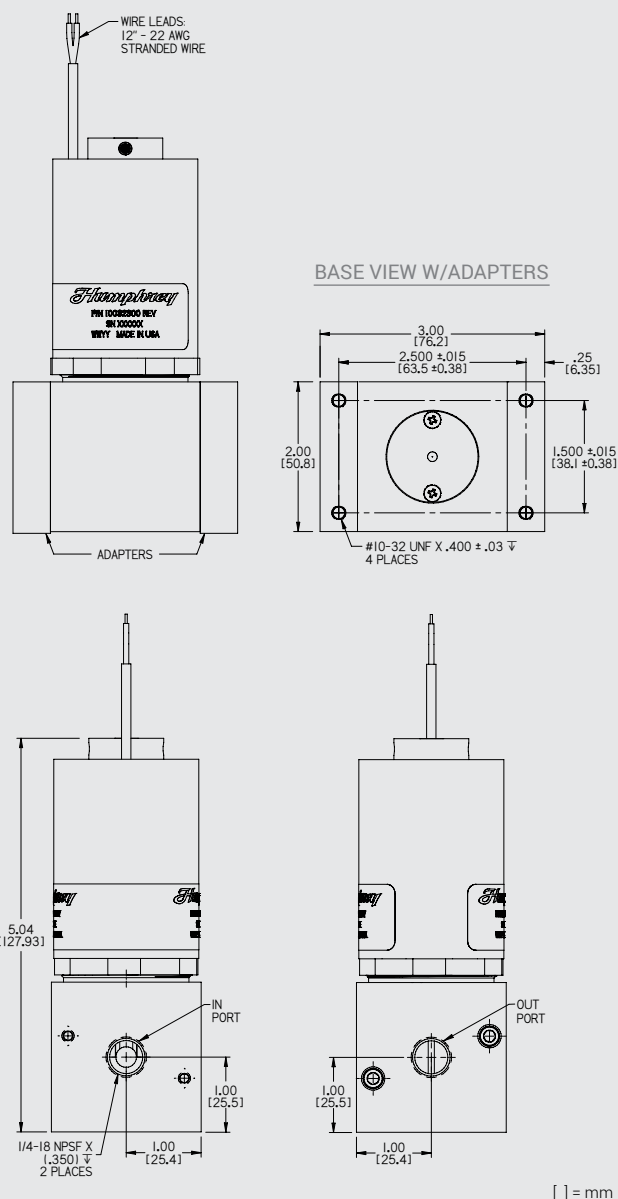
ProControl™ Servoid Series Balanced Proportional Valves

SPECIFICATIONS	10032300
TYPE OF OPERATION	Direct Solenoid
FUNCTION	2-Way, Normally Closed
MEDIA	Oxygen, Air, Inert Gas
PIPING TYPE	Inline, Direct Piping
PORT SIZE	1/4 PIPE, with adapters
PRESSURE SETTINGS - PSI (BAR)	11 (.75)
HYSTERESIS (TYP)	> 4%
MAXIMUM FLOW (TYP)	200 SLPM
AMBIENT TEMPERATURE	40-120°F (4-50°C)
POWER CONSUMPTION (WATTS)	
AT RATED CURRENT	6
NORMAL RESISTANCE (OHMS)	
12V MODEL @ 68°F (20°C)	16.5
OPERATING CURRENT RANGE	
12V MODEL (mA)	0-600
LEAKAGE	
INTERNAL @ 11 PSI (.75)	50 mL/min Max
EXTERNAL @ 11 PSI (.75)	1 mL/min Max
WETTED MATERIALS	Anodized Aluminum, SST, Silicone, EPDM
WEIGHT - OZ (GRAMS)	33.0 (935.5)
COMPLIANCE	RoHS, REACH

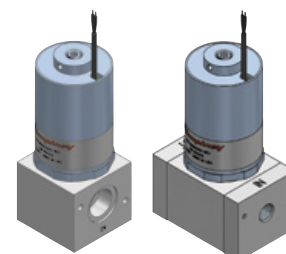
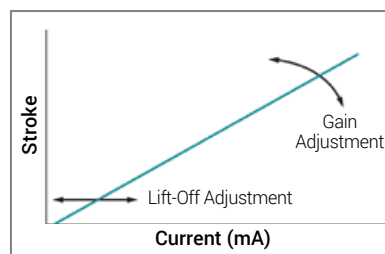
10032300 TYPICAL FLOW CURVE @ 11 PSI



DIMENSIONAL DRAWINGS



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



Certified: ISO 9001:2015

