

ProControl™

MODEL: PV3EP2403250

TYPICAL PERFORMANCE

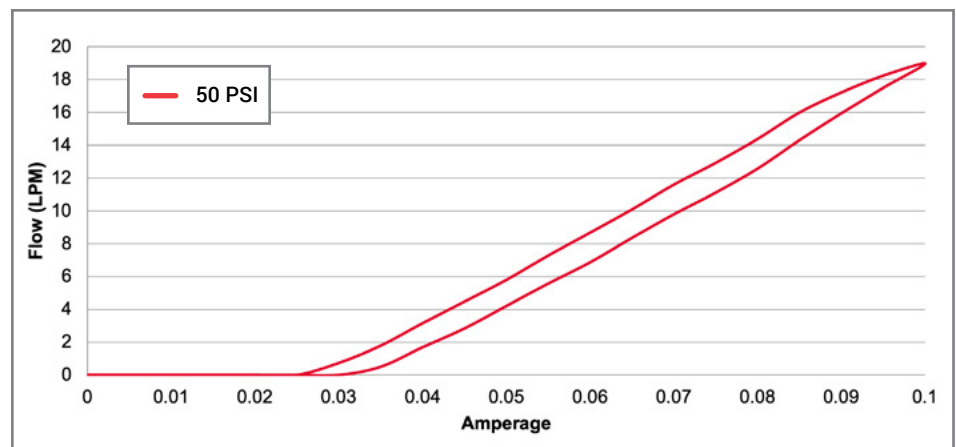
CONNECTIONS

Pneumatic	M5x0.8 ports
Electrical	18" Lead Wires (white)
Mounting	M3x0.5 x 6mm Dp (2x)

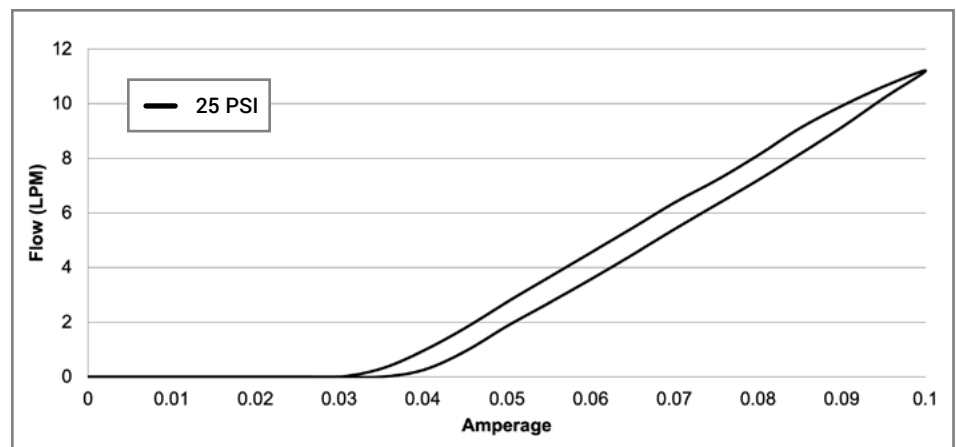
FEATURES

- Each ProControl™ Valve is tested for unactuated seat leakage not to exceed 2ccm at rated pressure (Port 1 > Port 2).
- Typical hysteresis is 8% or less and measured from ascension and descension of current at a given flow point.
- Control flow with direct current to 100mA or with PWM. For best results, we recommend PWM of 5k Hz or greater.
- When testing and evaluating proportional valves, consider the Humphrey Valve Driver, model PCD. PCD accepts a 4-20mA, 0-5VDC or 0-10VDC signal and drives the proportional valve accordingly.
- PV3EP2403250 may be calibrated to specific customer parameters in some applications. Contact an application specialist for details (below).
- For additional assistance in understanding, selecting and using proportional control valves, contact a Humphrey application specialist at:
1-844-447-9009
procontrolway@humphrey-products.com

Graph depicts typical performance of Humphrey Proportional Valve Model PV3EP2403250 using a stabilized upstream pressure of 50 PSI, filtered air, at Port 1 and amperage of 0-100mA. Performance is repeatable for millions of cycles. If pressure or current exceed maximum recommended values, performance may be compromised.



Calibrated with stabilized upstream pressure of 50 PSI to a flow of 18 SLPM @ 100mA.



PV3EP2403250 will have precision control but less flow when upstream pressure is lower than 50 PSI. Typical curve with stabilized upstream pressures of 25 PSI is shown.

HUMPHREY-PRODUCTS.COM

A privately owned US company since 1901.
© 2021 Humphrey Products Company, Inc.
Printed in USA.

PSPCDT2321

Humphrey Products Company
5070 East N Avenue
Kalamazoo, MI 49048 USA
P: 269.381.5500
F: 269.381.4113



ACCESS ONLINE CATALOG

Obtain 3D CAD Download, CAD Viewer,
2D Dimensional Drawings, Product Images,
DataSheet PDFs, Product Accessories

Certified: ISO 9001:2015