

ProControl™

MODEL: PV10PM2408050

TYPICAL PERFORMANCE

Humphrey®

CONNECTIONS

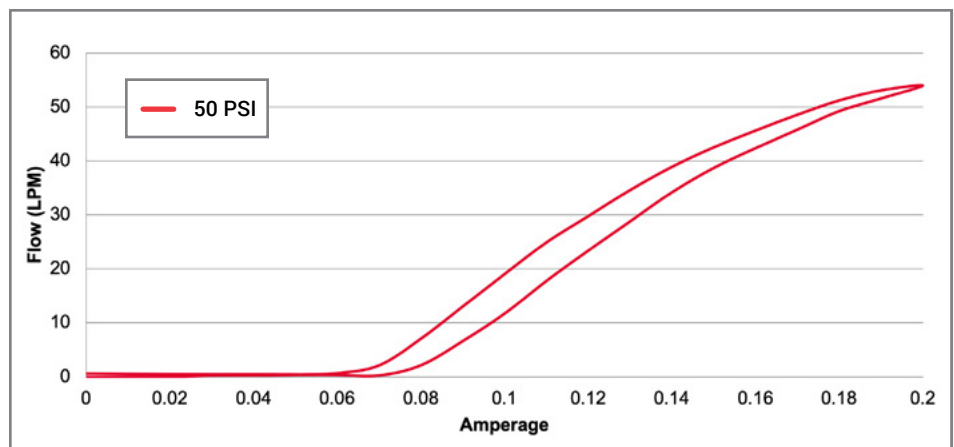
Pneumatic	To subbase
Electrical	18" Lead Wires (grey)
Mounting	#10-32 male Port 1

Use 3/4" wrench flat at valve bottom to tighten onto manifold. Torque to 10-12 lbs-in.

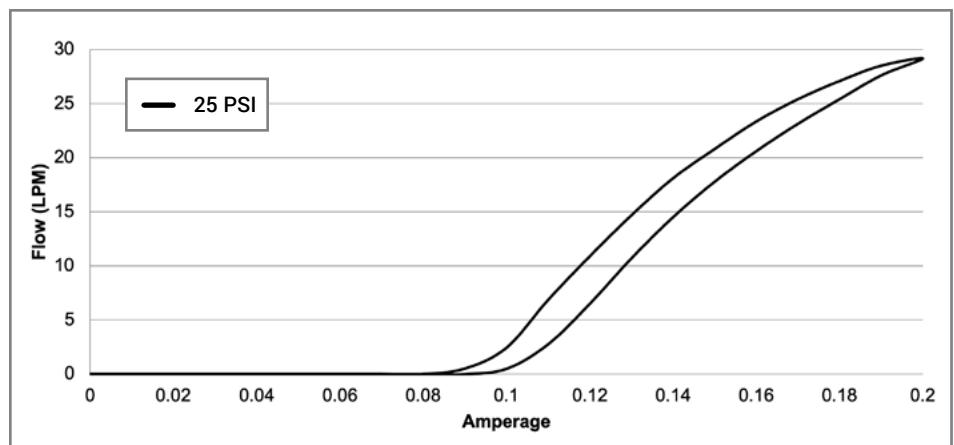
FEATURES

- 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 200mA 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.
- PV10PM2408050 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 PV10PM2408050 using a stabilized upstream pressure of 50 PSI, filtered air, at Port 1 and amperage of 0-200mA. 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 50 SLPM @ 200mA.



PV10PM2408050 will have precision control but less flow when upstream pressure is lower than 50 PSI. Typical curve with a stabilized upstream pressure of 25 PSI is shown.

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Printed in USA.
PSPCDT3921

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