ProControl™

MODEL: PV10EP24080A0

TYPICAL PERFORMANCE

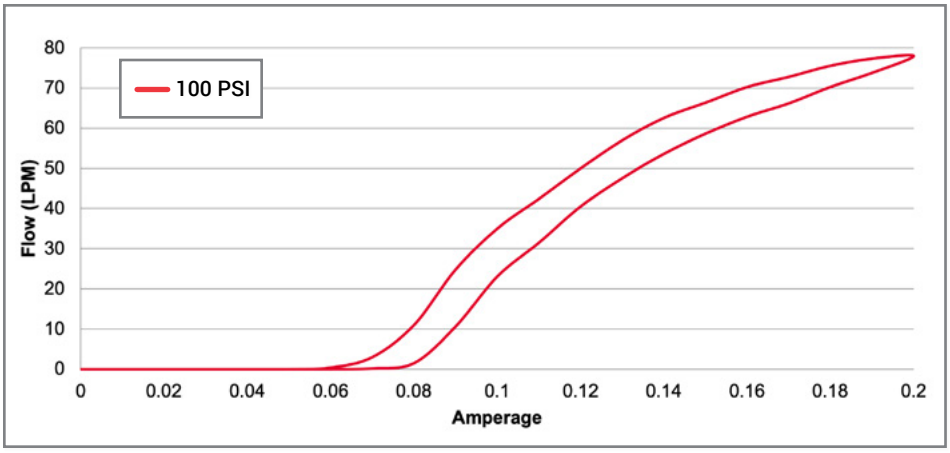
CONNECTIONS

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

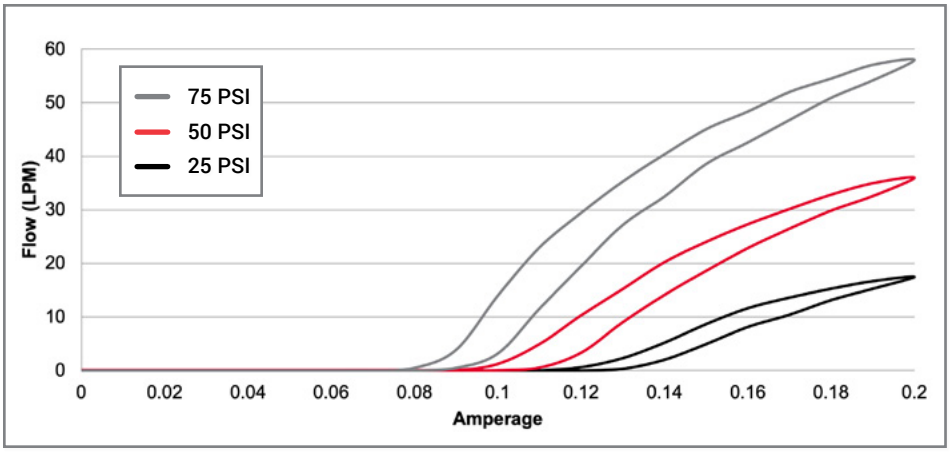
FEATURES

- 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 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.
- PV10EP24080A0 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 PV10EP24080A0 using a stabilized upstream pressure of 100 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 100 PSI to a flow of 75 SLPM @ 200mA.



PV10EP24080A0 will have precision control but less flow when upstream pressure is lower than 100 PSI. Typical curves with stabilized upstream pressures of 25, 50 and 75 PSI are shown.

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