



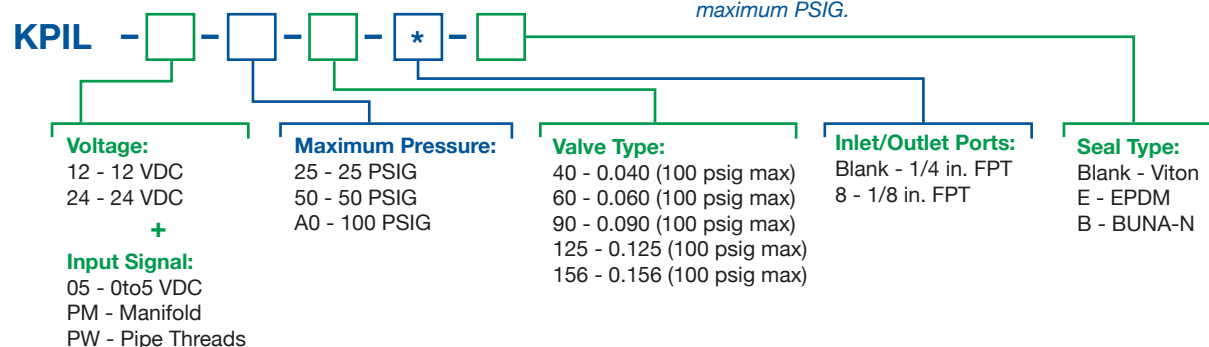
Low Hysteresis Proportional Valve

Kelly Pneumatics, Inc. offers a reduced cost low hysteresis proportional valve with high volume flow capabilities. The KPIL Series Valve offers the second highest flow performance and lowest hysteresis of our proportional valve product line, while still utilizing a single armature design ensuring virtually frictionless performance and longevity tested at over 100 million cycles. This valve differs from the High Flow Proportional Valve in that it uses a proportional valve and digital valve in parallel. This parallel valve design offers quick response times and high flow rates without the increased cost of a large valve housing, making it a good option for those in need of high volume proportional flow at low hysteresis levels. Additionally, the valve incorporates our Valve Driver Board as an onboard device, which offers manual or electrical control, with varying control voltages available.

- Valve Type:** Normally Open or Normally Closed
- Electrical Connection:** Wire Leads
- Working Pressure:** 1-100 PSIG
- Flow Range:** 10% of full current
- Weight:** 320 grams or .70 pounds
- Power Required:** 12 or 24 VDC
- Current Required:** 150 MA Maximum
- Input Signals:** Ext: 0-5 VDC, 0-10 VDC, or 4-20MA Adj. Potentiometer
- Operating Temp.:** 32-150°F or 0-65°C
- Maximum Hysteresis:** 0-2900 milliliters water per minute, 0-100 SLPM for air
- Mounting:** 2% of full current
- Gas Consumption:** .12-.93 CFM (consumption increases with CV value)



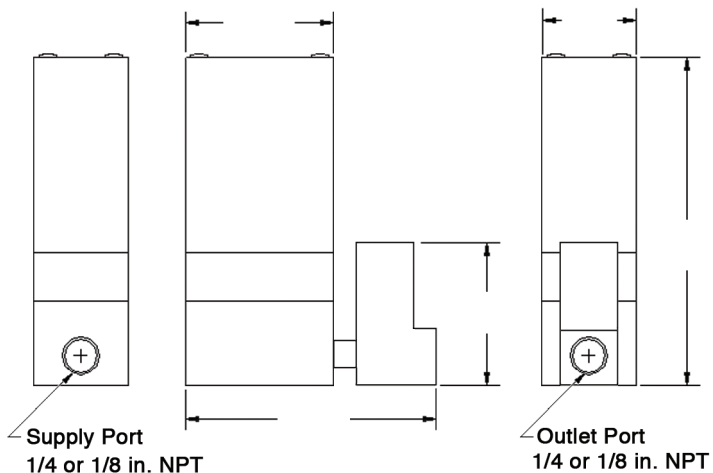
Part Numbering System



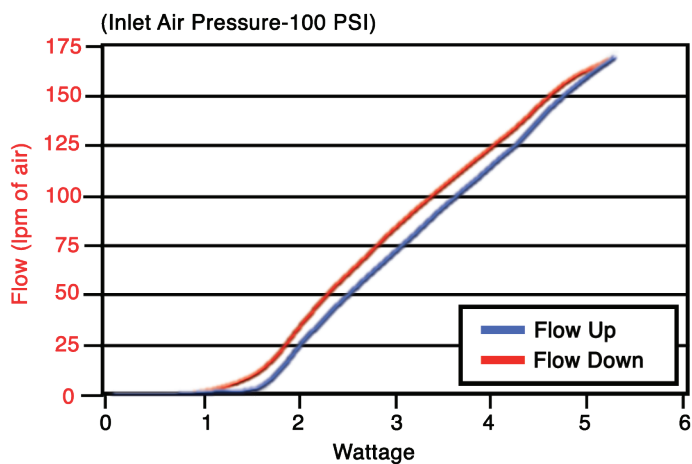


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Full Dimensions



Typical Performance Curve



Wiring Description

Terminal No.	1	2	3
Lead Wire Color	Brown	White	Blue
Wiring	Power Supply	Input Signal	Common (Ground)