



MONNIER NEWS

"Where Custom Solutions Become Standard"

Monnier, Inc. Introduces Booster Regulator for MAC PPC Valves

Monnier, Inc. has developed a pilot operated or "booster" regulator designed specifically for use with MAC Proportional Pressure Controllers (PPCs). When combined, the two units offer a more responsive, more accurate pressure regulating device with greater repeatability than its competitors.

The inlet, outlet and sensing ports of the PPC align directly with Monnier's booster regulator, which also provides the PPC with its air supply. The sensing port constantly measures the output pressure of the Monnier booster regulator, and quickly responds to any downstream pressure changes by energizing the fill or exhaust valve, which are connected directly to the pilot cap of the booster regulator.

No More "Motorboating":

MAC PPCs need a certain amount of closed end volume to keep the PPC stable. If the closed volume is too small compared to the flow of air coming from the PPC, a phenomenon known as motorboating occurs. Motorboating is the constant energizing and de-energizing of the fill and exhaust valves of the PPC caused by small variations in pressure. This makes the PPC unstable. The Monnier Booster Regulator provides enough closed end volume in the pilot cap to cushion the PPC from the constant downstream fluctuations in pressure.

Key Features of the Monnier Booster Regulator

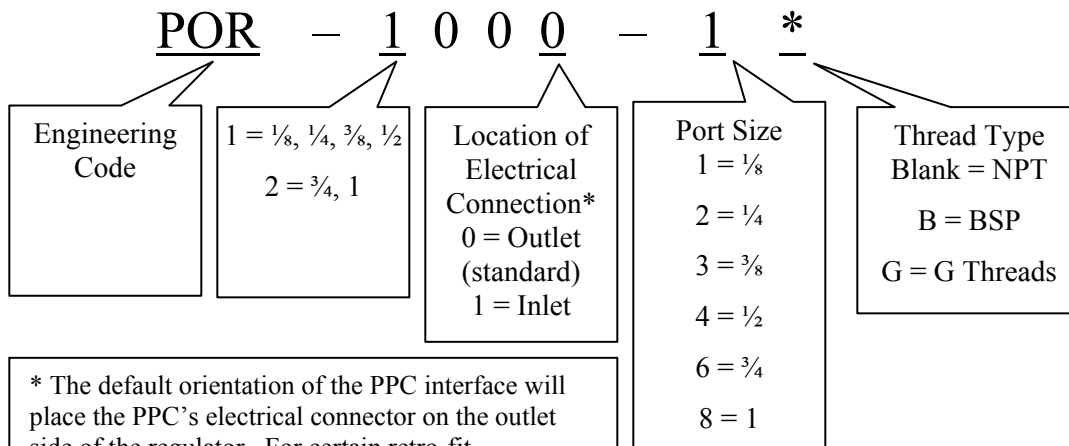


- The MAC PPC valves mount directly to the booster regulator making for a clean installation.
- The booster regulator interfaces directly with all ports of the PPC valves to ease assembly.
- Uses the same internals as Monnier's Pilot Operated Regulator series, a time tested product line that stands up to the most demanding applications.
- Fewer total components than a more conventional valve/regulator assembly.
- Constructed of machined aluminum barstock – ideal for harsh conditions.
- Can be anodized in any of eight standard colors to match MAC Blue, a corporate color scheme, or a particular function within a machine.
- Faster assembly with less chance of tubing errors

Monnier's booster regulators are available with ports between 1/8" and 1" and are designed to interface with MAC PPC5C . Depending on the port size, these booster regulators will flow between 50 scfm and 180 scfm.

For more information on Monnier's custom engineered air preparation solutions, please call at 810 794-4935 or email at pnichols@monnier.com.

Part Numbering Logic



* The default orientation of the PPC interface will place the PPC's electrical connector on the outlet side of the regulator. For certain retro-fit applications, it may be necessary to incorporate the connector on the inlet side of the assembly.



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