



meriam

Model M600 600 psi/ 40 BAR Pneumatic Pressure Pump Instructions

Important:

- This pump has 1/8" and 1/4" BSP ports. In order to use NPT fittings they require the NPT to BSP Parallel thread adapters. These adapters are provided with every pump and a bonded washer which is attached to the male end of the adapters. Do not use Teflon paste, or tape to seal adapters to the pump. Hand tighten and snug up with a wrench.
- Do not over tighten adapters
- The MVP 600 uses a Schrader valve, similar to that on a tire, not a needle valve. Full open or closed is several turns from the ends of travel. Over-tightening does not increase sealing.
- Do not use with liquids.
- The handles should be separated by 1/4" at the closest. If they are closer, the maximum pressure that can be reached will be significantly reduced. This spacing may be adjusted by turning the hex nut located on the bottom of the main shaft between the two handles. Squeeze handles together while turning hex nut until handle spacing is 3/4".

To Use:

1. Connect hose fittings, and calibrator to adapters.
2. Push the pressure/vacuum valve to the desired function.
3. To close vent knob, rotate it away from pump housing. There should be a space between the end of the vent knob and the base of the vernier knob.
4. For very high pressures; prior to pressurizing, back out the vernier until the ring on the vernier shaft is showing. Pump to pressurize, turn the vernier knob in towards pump housing and then pressure should easily go over 600 psi.
5. To release slowly; turn the vent knob so that it goes towards the pump body. To increase or decrease pressures slightly, and with a more controlled rate, use vernier knob.
6. To dump pressure rapidly and completely, move the pressure/vacuum pin to the opposite direction.

Note: This product is protected domestically and internationally by pending patent applications.

Meriam Process Technologies,
10920 Madison Avenue,
Cleveland OH 44102,
Ph 215 281 1100, Fax 216 928 2284