MESSER
Gases for Life

TrioTOP

Combination Valves

- Robust and reliable design
- The valve is designed according to the ISO 10297; ISO 22435 and CGA V-9
- Designed for use with Nitrogen
- TrioTOP supplies nitrogen gas in three operations - brazing, purging and pressure testing
- Maximum working pressure of 3000 psi (207 bar)
- Guard (ISO 11117)

Specifications

Outlet pressure	Up to 800 psi
Inlet pressure	Up to 3000 psi
Controlled flow	Brazing 3 - 6 CFH
	Purging 20 - 50 CFH
	Pressure testing 200 - 800 psi
Valve body material	Brass
Bursting disc	3360 psi
Operating temperature	-20°C to +65°C
Storage temperature	-40°C to +65°C

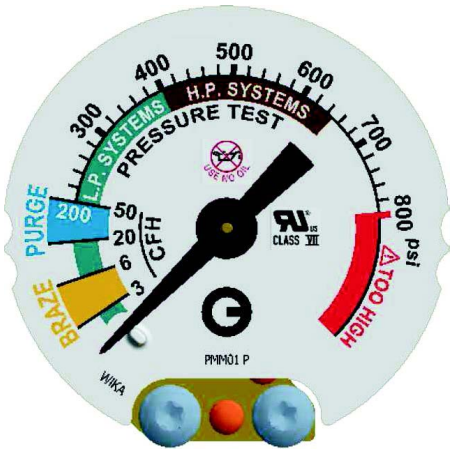
1. *Regulator handwheel*
2. *Outlet pressure gauge (LP)*
3. *Inlet pressure gauge (HP)*
4. *Regulator outlet*
5. *Guard*
6. *Pressure relief valve (PRV)*
7. *Residual pressure device (RPD)*
8. *Bursting disc*
9. *Shut-off valve handwheel*
10. *Filling port*

3 Stages of applications

Pressure test
Adjustment band for pressure testing systems for 200 to 800 psi

Purge
Adjustment band for 20-50 CFH (145-200 psi) fully adjustable for small or large systems

Braze
adjustment band for 3-6 CFH (40-95 psi) fully adjustable for small or large systems



The regulator essentially combines a pressure regulator and a flow gauge regulator into a single hybrid unit. The specific flow points of the regulator cater to the HVAC industry, where it is common to use nitrogen for pressure testing, for purging, and also as a support gas for cleaner/better brazing - done by flowing a very low flow of nitrogen through the HVAC plumbing while brazing.

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Messer Canada Inc.
5860 Chedworth Way
Mississauga, ON
L5R 0A2 Canada
Phone 1-888-256-7359
www.messer-ca.com
www.shop.messer-ca.com