**Product Bulletin**

March 30, 2008

# *High-Flow, Carbon Dioxide, Two Stage Flowmeter Regulator, Model 35-30-320*

Introducing the New Series 30, High-Flow, Carbon Dioxide, Two Stage Flowmeter Regulator.

The model 35-30-320 has been designed to replace the H1765D-320 flowmeter regulator, primarily for use with CO2. This new design is constructed with two 15 micron nickel plated bronze (Sure-Seat™) filters which encapsulate the high pressure seats. These filters protect the seating surfaces from any external debris or ice that may enter the seating area during operation.

This design provides a higher quality regulator for extended service life and improved performance. It is also constructed with a coiled copper tube which the CO2 gas flows through. This helps warm the gas with ambient room temperature reducing freeze-up conditions thereby allowing greater CO2 flow capabilities and it requires no electricity. The two stage design virtually eliminates decay/rise which provides highly accurate flow rates from a full to an empty cylinder. Also, the two stage design combined with the self-centering ball flow tube, dramatically reduces gas consumption for exceptional cost savings. The new 35-30-580 has a delivery pressure of 30 PSIG and is designed for high flow CO2 applications, however, it may also be used for Argon or Helium gases. A cylinder connection adaptor or a different inlet connection will be needed for use with other compatible gases. It is constructed with a shatter resistant, rotatable, multi-scale flow tube with the following flow capacities:

- Carbon Dioxide ……. 0-60 SCFH
- Argon …… 0-60 SCFH
- Helium ……0-190 SCFH
- General Gases ……. 0-10

The Lexan® flowtube is surrounded by our exclusive hard hat enclosure protecting it from external damage.

The 35-30-320 is UL Listed, covered by a 3 year limited warranty and made in the USA.

The new high performance 35-30-320 delivers exceptionally precise gas control as well as unmatched gas conservation.

***Applications:***

- Pressure & Flow Regulation, Two Stage
  - Inert & Carbon Dioxide Pressurized Cylinders
  - Mig & Tig welding applications
  - High flow CO2 applications