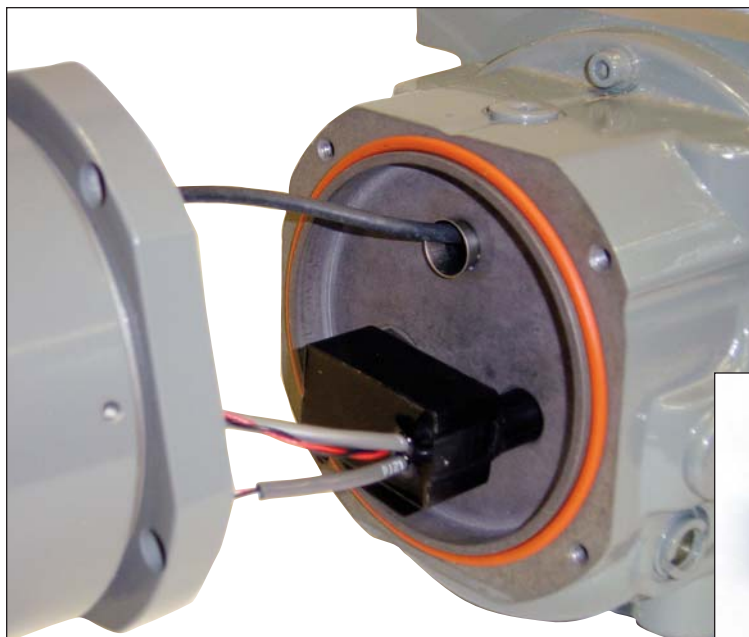


The Micro Generator™



Features

- Reduces Battery Replacement Costs
- Increases Life of Main Battery
- Easy to Install
- Converts Rotation of Meter Impellers into Electrical Power



The Micro Generator™ provides a completely new and unique way to power the ROOTS Micro Corrector. Dresser was the first to introduce a fully integral PTZ gas volume corrector, and now we have taken the integration of meter and instrument to a new level. This device will significantly increase the life of the main batteries in the corrector, while reducing maintenance costs associated with battery replacement and disposal.

How does the Micro Generator work?

The Micro Generator uses cutting edge technology to convert the rotation of the meter impellers into electrical energy, while simultaneously providing volume pulses to the Micro Corrector. It's a combination of Wiegand volume sensors; a generator that doesn't impair low-flow performance; and a small extended-life rechargeable battery packaged in a single device. The energy from the Micro Generator and rechargeable battery removes, or reduces, the load from the corrector's main battery, subsequently increasing the interval between battery changes.

- At a nominal 20% of the ROOTS® Meter capacity, the Micro Generator increases battery life by reducing the energy drawn from the main battery pack.
- At a nominal 30% of the ROOTS® Meter capacity, the Micro Generator fully powers the corrector while recharging the small lithium battery inside the generator housing.
- Under extended no-flow conditions, the small rechargeable battery powers the Micro Corrector for up to three months, further extending main battery life.
- To see how the Micro Generator can reduce your company's maintenance costs, contact you local ROOTS Meter representative or call 1-800-521-1114 or 832-590-2303.

Specifications

Approvals:	CSA (Canadian Standards Association) (Class I, Div. 1, Group D) CSA Approval No. LR 95528
Operating Temperature Range:	-40°F to +140°F (-40°C to +60°C)
Storage Temperature:	-60°F to +180°F (-50°C to +180°C)
Ambient Humidity:	Up to 95% sustained outdoor exposure

NOTE: CSA approval valid when Micro Generator™ is part of the complete Micro Corrector Assembly.

Dresser Roots Meters & Instruments

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