

Hydraulic Fracturing Solutions

ModMAG M1000 Meters

The M1000 electromagnetic flow meter's rugged construction and resistance to vibration make the meter ideal for truck-mounted operation for process fluid in the hydraulic fracturing industry. The meter features a non-intrusive open flow tube that virtually eliminates pressure loss, and with no moving parts to impede the flow stream, maintenance is kept to a minimum — even in harsh conditions. The M1000 also offers superior vibration resistance when mounted on vehicles. A wide selection of durable liner and electrode materials provides maximum fluid compatibility enduring performance.

Applications

- Wastewater treatment
- Flowback and produced water consumption
- Waste disposal
- Chemical mixing
- Fluid recycling



ModMAG® M1000 Specifications

- Accuracy $\pm 0.3\%$
- Flow range 0.10...39.4 ft/s (0.03...12 m/s)
- Sizes 1/4 ... 8 in. (6...200 DN)
- LCD display (meter- or remote-mounted)
- Power supply 92...275V AC, 9...36V DC

ModMAG Solutions in Hydraulic Fracturing

Flow measurement is critical throughout the upstream oil and gas sector. During the exploration and drilling stages at oil and gas fields, however, accurate and dependable flow metering instrumentation is essential to ensure production is optimized.

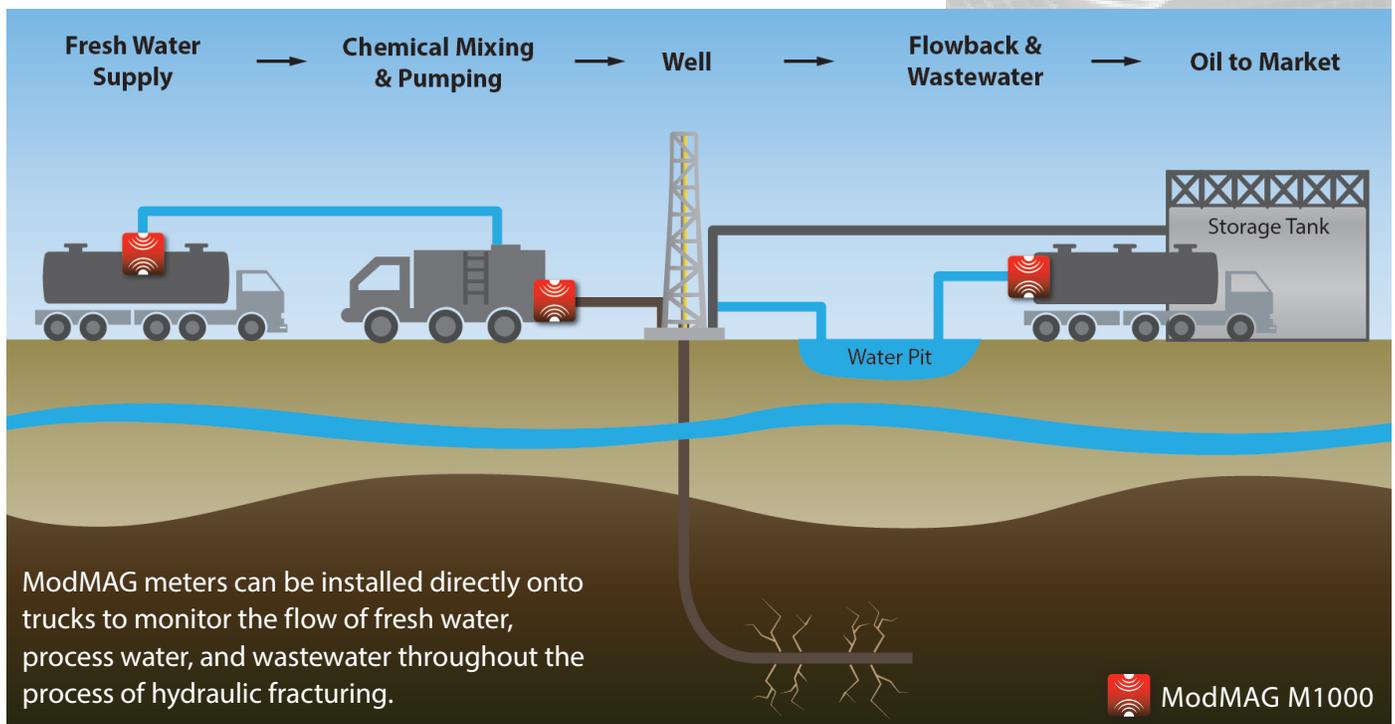
Tighter environmental regulations mean water discharges produced at oil and gas facilities can no longer simply be regarded as a waste stream. Both the quality and quantity of these streams must be monitored. ModMAG meters can help oil companies manage process water, wastewater and groundwater consumption.

ModMAG electromagnetic flow meters are ideal for these applications because of their compatibility with conductive liquids, as well as their ability to withstand operational vibration on truck-mounted, process water blending units.

ModMAG® Features

- Non-intrusive, open flow tube design
- Corrosion-resistant liners for long life
- Remote or meter mounted amplifier
- SCADA-ready outputs
- NEMA 4X (IP66) & NEMA 6P (IP67) enclosure options
- NSF approved
- Bi-directional flow measurement

On-Truck Applications



Control. Manage. Optimize

Trademarks appearing in this document are the property of their respective entities. Due to continuous research, product improvements and enhancements, Badger Meter reserves the right to change product or system specifications without notice, except to the extent an outstanding contractual obligation exists. © 2014 Badger Meter, Inc. All rights reserved.

www.badgermeter.com

The Americas | Badger Meter | 4545 West Brown Deer Rd | PO Box 245036 | Milwaukee, WI 53224-9536 | 800-876-3837 | 414-355-0400
México | Badger Meter de las Americas, S.A. de C.V. | Pedro Luis Ogazón N°32 | Esq. Angelina N°24 | Colonia Guadalupe Inn | CP 01050 | México, DF | México | +52-55-5662-0882
Europe, Middle East and Africa | Badger Meter Europa GmbH | Nurtinger Str 76 | 72639 Neuffen | Germany | +49-7025-9208-0
Europe, Middle East Branch Office | Badger Meter Europe | PO Box 341442 | Dubai Silicon Oasis, Head Quarter Building, Wing C, Office #C209 | Dubai / UAE | +971-4-371 2503
Czech Republic | Badger Meter Czech Republic s.r.o. | Mařikova 2082/26 | 621 00 Brno, Czech Republic | +420-5-41420411
Slovakia | Badger Meter Slovakia s.r.o. | Racianska 109/B | 831 02 Bratislava, Slovakia | +421-2-44 63 83 01
Asia Pacific | Badger Meter | 80 Marine Parade Rd | 21-06 Parkway Parade | Singapore 449269 | +65-63464836
China | Badger Meter | 7-1202 | 99 Hangzhong Road | Minhang District | Shanghai | China 201101 | +86-21-5763 5412