



*Simple, portable control with built-in compressed gas source for sampling pumps.*



## The ultimate in control and power for low-flow sampling

The MP15 MicroPurge® basics™ Sample Pack combines advanced low-flow control with the quiet power of a built-in compressed gas source, for the ultimate in portability and ease of use.

The simplified flow and drawdown control features of basics control are housed in a molded case along with a lightweight CO<sub>2</sub> cylinder, putting everything you need to operate a bladder pump into one easily portable unit. A standard padded nylon case protects the MP15 in transport, provides over-the-shoulder on-site carrying convenience, and even has a hook on the back to let you hang it from the well casing during sampling.

The MP15 also includes a bypass fitting, so you can now use one handy unit to sample from both hard to reach wells and from wells accessible with larger gas cylinders and/or compressors. The MP15 has the power you want in an easy to carry package.

### MicroPurge® basics™ MP15 Control & Power Pack Advantages

- All the advanced MicroPurge control capabilities of basics controllers, plus a lightweight, built-in CO<sub>2</sub> source for ultimate portable control and power.
- Exclusive MicroPurge control mode uses simple arrow keys to adjust low-flow rates easily and repeatedly, using a micro-processor to re-create flow adjustment strategies used by experienced samplers.
- The MP15 weighs just 27 lbs. with a full cylinder in its padded nylon field case. Backpack carrying leaves hands free for other sampling equipment.
- Also includes capability for optional drawdown control with link to the MP30 Drawdown Meter.
- Lightweight, silent drive power: 3.5 hours of purging capacity at 75 foot pump depth! A high quality CO<sub>2</sub> regulator is included, along with a cylinder change wrench: field ready!
- The MP15 includes a quick-connect bypass fitting so other compressed gas sources can also be used, for maximum versatility.



P.O. Box 3726  
 FAX 734-995-1170  
 1-800-624-2026

**First in Control & Power for Low-Flow Sampling**

Ann Arbor, MI 48106-3726 USA  
 e-mail info@qedenv.com  
 www.micropurge.com

## MICROPURGE® basics™ MP15 CONTROL & POWER PACK

### Portable power to sample any well

Remote wells and inaccessible sites are no problem with the unique, new MP15 Control & Power Pack. The convenient carrying case combines a compact compressed gas cylinder with the advanced control of MicroPurge basics Controllers.

With this combination, a complete sampling setup can be carried by a single person, to reach wells where trucks or even compressor carts can't go.

The 5 lb. CO<sub>2</sub> cylinder provides hours of sampling power, and is easily refilled. But the MP15 isn't just for remote wells. Its built-in bypass fitting allows it to be used with larger cylinders or other gas sources, extending your range even more.

### Simple, stable, repeatable flow rate setting

The MicroPurge basics Controller's six-button keypad is your gateway to the control and power of the most advanced low-flow sampling system ever made. With remarkable ease, you will achieve precise, stable control of low pumping rates, quickly and repeatably, from one sampling event to the next.

QED's third-generation engineering takes advantage of the opportunity for downsized equipment, which is lighter and more portable, reduces equipment cost and increases sampling crew productivity. Simplified, sealed electronics are put together in a design that delivers famous QED durability and value.

MicroPurge basics controllers can be connected to the MP30 Drawdown Meter for optional Automatic Drawdown Control, an industry first.

### Multi-mode digital control

The MicroPurge basics Controller gives you three easy-to-use operating modes, to cover every sampling protocol and situation.

- **MicroPurge Mode** easily adjusts low-flow rates with "faster/slower" arrow keys to reach desired rates. You don't have to worry about calculating pump cycles or refill and discharge times.
- **ID Mode** instantly recalls optimized settings previously established for each well, providing precise, consistent performance from event to event.
- **User Set (MN) Mode** provides manual control of pump operation for extreme depths and other special cases.



*Backpack portability makes the MP15 a powerful tool for faster, more efficient sampling at remote sites. With alternate air supply fitting, it also works great at closer wells.*

**Can be used with any bladder pump system, with the use of simple adapters**

## MICROPURGE CONTROL AND POWER PACK SPECIFICATIONS

### System Specifications:

Model No.:	MP15
Dimensions:	25-1/2"x12-1/2"x10" (65x32x25 cm)
Weight:	27 lb. (12 kg)
Case Material:	Polyethylene
Carry Bag:	Standard
Back Pack Straps:	Optional
Keypad:	6 Keys
Display:	2 Line, 16 Character / LCD Display
Power:	3 "AA" batteries
Battery Life:	50,000 Cycles @ 70°F (21°C)
Max. Pressure:	120 PSI (8,275 kPa)
Max. Pump Depth:	250 Feet (76 m)
Operating Temperature:	-20 - 150°F (-29 - 66°C)
Cylinder:	5 lb. (2.3 kg) CO <sub>2</sub>
Cylinder Life:	Over 3 hours at 75 foot pump depth
Connection to MP30 Drawdown Meter	Heavy-duty cable (supplied with MP30)

## MP15 PURGE CAPACITY\*

Pump Depth (ft)	Purge Time (min)
50	400
100	120
150	90
200	50

\*Purge times based on 200 ml/min flow rate, full 5 LB. CO<sub>2</sub> cylinder; consult QED for more detail.