

# Sampling Pumps

## Marschalk Aquarius II Bladder Pumps

The Marschalk Aquarius II Bladder Pumps have a long track record for reliability and versatility in the field. The Aquarius II is an excellent choice for Low-Flow purging and sampling.

### FEATURES

- Constructed of #316 stainless steel
- Unique bladder support structure maximizes efficiency and bladder life
- Field serviceable bladder
- Drop tube and stand-off intake options available
- Dedicated or portable turnkey systems
- Optional screened intake extends bladder life
- Compatible with both Marschalk and Geotech controllers



Stand-off Assembly and Drop Tube Intake accessories

### SPECIFICATIONS

| Available Lengths                   | 24"/61cm                                    | 42"/107cm                                   | 60"/152cm                                   |
|-------------------------------------|---|---|---|
| Bladder Material                    | Virgin PTFE                                 | Virgin PTFE                                 | Virgin PTFE                                 |
| Outside Diameter                    | 1.75" (4.45cm)                              | 1.75" (4.45cm)                              | 1.75" (4.45cm)                              |
| Actual Overall Length               | 24" (61cm)                                  | 42" (102cm)                                 | 60" (163cm)                                 |
| Overall Length with optional screen | 29" (74cm)                                  | 45" (114cm)                                 | 69" (175cm)                                 |
| Weight                              | 5.44 lbs. (2.47kg)                          | 7.33 lbs. (3.32kg)                          | 9.63 lbs. (4.37kg)                          |
| Volume/Cycle                        | 9.8 oz. (290ml)<br>3' static head           | 19.2 oz. (568ml)<br>3' static head          | 30.5 oz. (902ml)<br>3' static head          |
| Minimum Well Inside Diameter        | 2" (51mm)                                   | 2" (51mm)                                   | 2" (51mm)                                   |
| Maximum Operating Pressure          | 125 psi (9 bar)                             | 125 psi (9 bar)                             | 125 psi (9 bar)                             |
| Minimum Operating Pressure          | 1 psi (.07 bar)<br>static head              | 1 psi (.07 bar)<br>static head              | 1 psi (.07 bar)<br>static head              |
| Minimum Operating Range             | 5 psi (.34 bar)<br>above static head        | 5 psi (.34 bar)<br>above static head        | 5 psi (.34 bar)<br>above static head        |
| Maximum Depth*                      | 289' (88m)                                  | 289' (88m)                                  | 289' (88m)                                  |
| Tubing Size                         |   |   |   |
| Air                                 | .17" ID x .25" OD<br>(4.3mm ID x 6.4mm OD)  | .17" ID x .25" OD<br>(4.3mm ID x 6.4mm OD)  | .17" ID x .25" OD<br>(4.3mm ID x 6.4mm OD)  |
| Discharge                           | .25" ID x .375" OD<br>(6.4mm ID x 9.5mm OD) | .25" ID x .375" OD<br>(6.4mm ID x 9.5mm OD) | .25" ID x .375" OD<br>(6.4mm ID x 9.5mm OD) |

\* With use of a drop tube, maximum depth is increased.

Aquarius II Bladder Pump with optional screen intake

**CALL GEOTECH TODAY (800) 833-7958**

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