

# ISS MBP 1320-E (Enhanced)

## All Plastic Mini-Bladder Pump for Low Flow Ground Water Sampling



### Features:

Designed for use in 2-in and larger monitoring wells. Additional clearance between pump and casing may ease deployment without the possibility of hang-up.

Short 16-in length facilitates even flow for purging and sampling.

All plastic construction extends applications to include sampling contaminants known to react with stainless steel pumps.

New super flexible bladder and advanced porting allows use in low recovery wells. This pump is capable of collecting water samples with virtually no submergence. It will collect water samples down to the point when the inlet ports are just uncovered. This feature will allow sampling from very slow recovery wells.

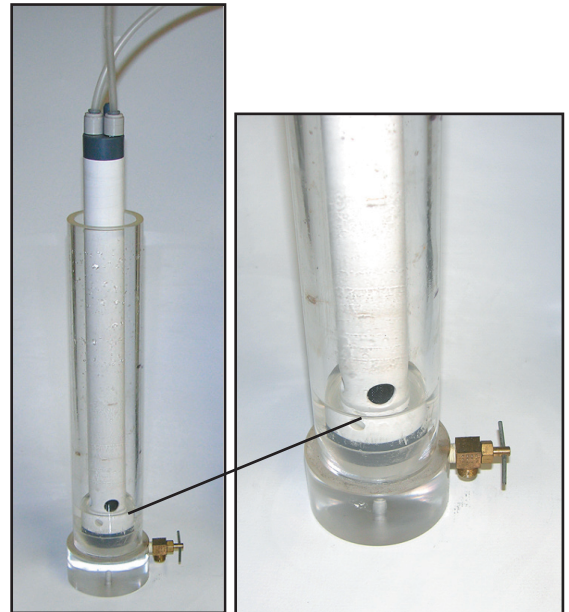
Integral sealed weight ensures maintenance of a stable position for the pump when in use.

Flow rates from virtually zero to 1.5 liters/minute are possible with an ISS Precision Dual Range Controller.

Take-apart design for cleaning. They are made from PVC with a PEX eductor tube and super flexible fluoropolymer bladder.

### Specifications:

Total length-	16-in (Incl. fittings and integral weight)
Diameter/Weight-	1.32-in / 14 ozs.
Inlet Ports-	4, centered 2.5-in from pump bottom
Stroke Volume-	75 ml.
Pump Rate-	1.5 l/min (2-ft submergence)
Bladder-	Super flexible fluoropolymer
Maximum Depth-	200-ft.
Connections-	For 1/4-in OD tubing Push-fit and 1/8-in OD suspension cord



Pumping capability demonstration- water removed down to lower end of inlet ports.

# ISS Plastic Mini Bladder Pumps

## For Low Flow & conventional Ground Water Sampling



ISS pioneered the development of small diameter all plastic bladder pumps. This was done in response to customer needs for an economic alternative to all stainless steel pumps which, in certain aggressive groundwater environments can corrode or even disintegrate metal.

The ISS all plastic pumps are made from high quality PVC, PEX and use a super flexible thin wall fluoropolymer bladder. All models demonstrate superior performance when used in wells with short water columns where it is not possible to provide the pump submergence required by conventional bladder pumps.

<b>Specifications:</b>	<b>MBP-1320E</b>	<b>MBP-1660E</b>	<b>MBP-1660</b>
Total length-	16-in (Incl. fittings and integral weight)	18-in (Incl. fittings and integral weight)	28-in (Incl. fittings and integral weight)
Diameter/Weight-	1.32-in / 14 ozs.	1.66-in / 23 ozs.	1.66-in / 36 ozs.
Inlet Ports-	4, centered 2.5-in bottom	4, centered 2.5-in bottom	4, centered 3.25-in bottom
Stroke Volume-	75 ml.	125 ml	375 ml
Pump Rate-	1.5 l/min (2-ft sub.)	2.2 l/min (2-ft sub.)	3.7 l/min (2-ft sub.)
Maximum Depth-	200-ft.	200-ft.	200-ft.
Connections-	1/4-in OD tubing Push-fit and 1/8-in suspension cord	1/4-in OD tubing Push-fit and 1/8-in suspension cord	1/4 & 3/8-in OD Push-fit and 1/8-in suspension cord
Bladder-	Super flexible	Super flexible	Super flexible

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**Innovative Sampling Systems**  
 7353 Cedar Crest Drive,  
 Sauk City,  
 Wisconsin 53583, USA

Australia & New Zealand representative:



**F4 / 13-15 Kevlar Close**  
**Braeside VIC 3195**  
**Phone: +61 3 9555 3800**

[www.erraus.com.au](http://www.erraus.com.au)