

## Pump Comparison Table

### CRITERIA FOR PUMP CHOICE

1. Determine your well diameter
2. Determine the head of water
3. Determine whether there are suspended sediments
4. Determine whether during pumping there is a risk of running dry

### PUMP SELECTOR SORTED BY WELL DIAMETER

Type of Pump	well diameter inches, size greater than	head of water metres	flow rate	tolerance to suspended sediment	suitable for sampling	type of high or low flow purging	tolerant to dry run	ability to move product	suitable for flow-through cell
<b>Electronic Peristaltic Pump</b>	1	10	low	high	yes	low	yes	yes	yes
<b>Standard Peristaltic Pump</b>	1	10	low	high	yes	low	yes	yes	yes
<b>Foot Valve Pump</b>	1	20	very low	high	yes	high	yes	yes	no
<b>Bladder pump 22mm</b>	1	45	very low	medium	yes	low	yes	yes	yes
<b>Stainless Steel Geosub</b>	2	45	high	no	yes	both	yes	no	yes
<b>Bladder Pump 42 mm</b>	2	45	low	medium	yes	low	yes	yes	yes
<b>Gigant/Booster</b>	2	24	medium	no	yes	high	no	no	no
<b>Deep well bladder pump 42mm</b>	2	150	medium	medium	yes	both	yes	yes	yes
<b>Grundfos MP1</b>	2	90	very high	no	yes	both	no	no	yes

## Pump Comparison Table

### PUMP SELECTOR SORTED BY HEAD OF WATER

Type of Pump	well diameter inches, size greater than	head of water metres	flow rate	tolerance to suspended sediment	suitable for sampling	type of high or low flow purging	tolerant to dry run	ability to move product	suitable for flow-through cell
<b>Electronic Peristaltic Pump</b>	1	10	low	high	yes	low	yes	yes	yes
<b>Standard Peristaltic Pump</b>	1	10	low	high	yes	low	yes	yes	yes
<b>Foot Valve Pump</b>	1	20	very low	high	yes	high	yes	yes	no
<b>Gigant/Booster</b>	2	24	medium	no	yes	high	no	no	no
<b>Bladder pump 22mm</b>	1	45	very low	medium	yes	low	yes	yes	yes
<b>Stainless Steel Geosub</b>	2	45	high	no	yes	both	yes	no	yes
<b>Bladder Pump 42 mm</b>	2	45	low	medium	yes	low	yes	yes	yes
<b>Grundfos MP1</b>	2	90	very high	no	yes	both	no	no	yes
<b>Deep well bladder pump 42mm</b>	2	150	medium	medium	yes	both	yes	yes	yes