

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
Electronic Peristaltic Pump	1	10	low	high	yes	low	yes	yes	yes
Standard Peristaltic Pump	1	10	low	high	yes	low	yes	yes	yes
Foot Valve Pump	1	20	very low	high	yes	high	yes	yes	no
Bladder pump 22mm	1	45	very low	medium	yes	low	yes	yes	yes
Stainless Steel Geosub	2	45	high	high	yes	both	yes	no	yes
Fultz	2	50	high	no	yes	both	no	no	yes
Total Fluids Pump	2	60	high	very high	no	high	yes	yes	no
Autoreclaimer 42mm	2	60	high	very high	no	high	yes	yes	no
Bladder Pump 42 mm	2	45	low	medium	yes	low	yes	yes	yes
Gigant/Booster	2	24	medium	no	yes	high	no	no	no
Deep well bladder pump 42mm	2	150	medium	medium	yes	both	yes	yes	yes
Grundfos MP1	2	90	very high	no	yes	both	no	no	yes
Autoreclaimer 89mm	4	150	very high	very high	no	high	yes	yes	no



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
Electronic Peristaltic Pump	1	10	low	high	yes	low	yes	yes	yes
Standard Peristaltic Pump	1	10	low	high	yes	low	yes	yes	yes
Foot Valve Pump	1	20	very low	high	yes	high	yes	yes	no
Gigant/Booster	2	24	medium	no	yes	high	no	no	no
Bladder pump 22mm	1	45	very low	medium	yes	low	yes	yes	yes
Stainless Steel Geosub	2	45	high	high	yes	both	yes	no	yes
Bladder Pump 42 mm	2	45	low	medium	yes	low	yes	yes	yes
Fultz	2	50	high	no	yes	both	no	no	yes
Total Fluids Pump	2	60	high	very high	no	high	yes	yes	no
Autoreclaimer 42mm	2	60	high	very high	no	high	yes	yes	no
Grundfos MP1	2	90	very high	no	yes	both	no	no	yes
Autoreclaimer 89mm	3	150	very high	very high	no	high	yes	yes	no
Deep well bladder pump 42mm	2	150	medium	medium	yes	both	yes	yes	yes