

QED Well Wizard Dedicated MicroPurge Pump

Well Wizard pumps for MicroPurge sampling systems come in an unsurpassed range of sizes, materials and capabilities, including models for deep sampling wells, narrow or obstructed casings and small-volume pumps for low-yield monitoring wells. Together with MicroPurge controllers, flow cells, and accessories, they create the most reliable, cost-effective low-flow groundwater sampling system available.

Field proven pump designs and exclusive, high performance PTFE bladder formulation offer the reliability critical to long-term monitoring.

Well Wizard pumps are built for reliability, with refinements perfected for more than 20 years of continuous engineering and improvement – extra value you won't find in any other bladder pump. One example: stainless steel in Well Wizard pumps is electropolished to passivate the surface, delivering years more corrosion resistance than competitors' models.

Pneumatic bladder pumps operate with a unique, gentle action ideal for low-flow sampling. Timed on/off cycles of compressed air alternately squeeze the flexible bladder to displace water out of the pump, and release it to allow the pump to refill by submergence, without creating any disturbance that could affect sample chemistry.

Bladder pumps run easily at low rates for extended times, without the problems of other devices.

- No overheating of high-speed electric pump motors, which can alter samples and ruin the pumps.
- No churning action, like that of bailers or inertial-lift samplers that increase turbidity.
- No suction to cause degassing of dissolved volatile contaminants.

The bladder prevents contact between the pump drive air and the sample, and the downwell equipment is permanently dedicated to each well, so both samples and the well are protected from disturbance or the danger of cross-well contamination.

Need to pump from great depths?

Use a "drop tube" from the bottom of the pump down to the inlet depth. As long as the pump is just a few metres under the static water level, you can sample from 100's of metres below!



Specifications

Flow Rate

Cycles per minute up to 6 (MP10 or MP15 Controller)

Volume per Cycle See volume in table bottom left

Ordering Information

CONTACT THERMO FISHER SCIENTIFIC FOR ORDERING INFORMATION AND OPTIONS.

FITS 50mm WELL

Model	Materials	Length (mm)	OD (mm)	Fitting Material	Tubing Size	Volume	Max. Lift
T1100M	PTFE	1000mm	42mm	PTFE	1/4in. (6mm) & 3/8in. (9mm)	395mL	75m
P1101M	PVC	1040mm	42mm	PP	1/4in. (6mm) & 3/8in. (9mm)	395mL	90m
P1101HM	PVC	1000mm	42mm	SS	1/4in. (6mm) & 3/8in. (9mm)	395mL	180m
ST1102M	SS & PTFE	1040mm	42mm	SS	1/4in. (6mm) & 3/8in. (9mm)	395mL	305m
T1200M	316 SS & PTFE	1040mm	38mm	SS	1/4in. (6mm) & 3/8in. (9mm)	495mL	90m
T1250	316 SS & PTFE	380mm	38mm	SS	1/4" (6mm) & 1/4" (6mm)	100mL	90m
P1150	PVC & PTFE	500mm	42mm	PP	1/4" (6mm) & 1/4" (6mm)	130mL	90m
T1300	316 SS & PTFE	1160mm	25mm	SS	1/4" (6mm) & 3/8" (9mm)	220mL	60m

SS = Stainless Steel
PP = Polypropylene
PTFE = Polytetrafluoroethylene (Teflon)

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QED Micropurge Basics - What do I need?

