

## HIGH TEMPERATURE AUTO PUMP<sup>®</sup>



### RELIABLE, HIGH PERFORMANCE PUMP WITHSTANDS HEAT – UP TO 250°F WITH IN-SERVICE TIMES FAR EXCEEDING ANY NORMAL PUMP!

The AutoPump<sup>®</sup> AP4 Ultra High-Temperature is field proven to withstand fluid temperatures as high as 250 °F (121 °C) while delivering superior pumping performance in landfill leachate and condensate risers and groundwater remediation wells. The highly reliable, low maintenance AP4 Ultra design is enhanced with specialized materials of construction to exceed normal temperature limits. Proprietary non-stick finishes, electropolished surfaces and internal clearances 3 times greater than traditional pumps reduce solids buildup, increasing the interval between required service events. If you need to clean pumps more than three times a year you'll save money with Ultra pumps. Parts made of 316 grade Stainless Steel and engineered polymers resist attack by harsh leachates, free-phase and dissolved fuels, BTEX, and MTBE. Pump cleaning is much faster and easier, often needing only a water spray and a light wipe. Longer run times cut maintenance costs, increase safety of service personnel, and boost project productivity. The online Pump Maintenance Cost Comparison Calculator makes it easy to estimate savings and predict the payback period for switching from conventional pumps to a new AP4 Ultra system.

#### ADVANTAGES

- **Longer Runtimes, Easier Service**  
Non-stick finishes resist solids buildup, reduce the frequency of service events, and cut pump cleaning time by half.
- **Built to Take the Heat**  
Design for high-temperature use extends pump life and eliminates the need for frequent replacement.
- **Complete High Temp System**  
QED has the largest selection of pump tubing and accessories rated for high-temperature applications.

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# AP4 ULTRA HIGH-TEMP

## High-Temperature AutoPump® AP4 Ultra

	4" Pump (Short AP)	4" Pump (Long AP)	4" Pump (Short AP)	4" Pump (Long AP)
Model Number	303276P	303277P	303280P	303281P
Fluid Inlet	Bottom	Bottom	Top	Top
Diameter	3.6 in. (9.1 cm) OD	3.6 in. (9.1 cm) OD	3.6 in. (9.1 cm) OD	3.6 in. (9.1 cm) OD
Length	39.3 in. (100 cm)	51.4 in. (131 cm)	45 in. (110 cm)	61.75 in. (157 cm)
Maximum Flow	13 gpm (49 Lpm)	14 gpm (53 Lpm)	9 gpm (34 Lpm)	10 gpm (38 Lpm)
Maximum Depth	250 ft. (76 m)	250 ft. (76 m)	250 ft. (76 m)	250 ft. (76 m)
Actuation Level	26.7 in. (68 cm)	38.4 in. (98 cm)	41.6 in. (106 cm)	60.3 in. (153 cm)
Pump Volume / Cycle	0.22- 0.36 gal (.83- 1.36L)	0.58- .78 gal (2.2- 3L)	0.22- 0.36 gal (.83- 1.36L)	0.58- .78 gal (2.2- 3L)
Air Pressure Range	5- 120 psi (0.4- 8.4 kg/cm2)	5- 120 psi (0.4- 8.4 kg/cm2)	5- 120 psi (0.4- 8.4 kg/cm2)	5- 120 psi (0.4- 8.4 kg/cm2)
Air Usage	0.4- 1.1 scf/gal. (3.0- 8.5 liter of air/fluid liter)	0.4- 1.1 scf/gal. (3.0- 8.5 liter of air/fluid liter)	0.35- 1.1 scf/gal. (3.0- 8.4 liter of air/fluid liter)	0.35- 1.1 scf/gal. (3.0- 8.4 liter of air/fluid liter)
Min. Liquid Density	0.7 SpG (0.7 g/cm3)	0.7 SpG (0.7 g/cm3)	0.7 SpG (0.7 g/cm3)	0.7 SpG (0.7 g/cm3)

## Standard Construction Materials

Pump Body	316 Stainless Steel
Pump Ends	316 Stainless Steel
Internal Components	316 Stainless Steel, PVDF, Teflon, Proprietary High Temp. Material
Tube Fittings	316 Stainless Steel
Fitting Type	Barbs, Quick Connects or Easy Fittings

## Tube Options

Tube Material	Red-Line High Temp. Polymer
Sizes - Liquid Discharge	1 in. (25 mm) or 1-1/4 in. (32 mm) OD
Pump Air Supply	1/2 in. (13 mm) OD
Air Exhaust	5/8 in. (16 mm) OD
Tube Material	Nitrile
Sizes - Liquid Discharge	3/4in.(19mm)or1in.(25mm)ID
Pump Air Supply	3/8 in. (9.5 mm) ID
Air Exhaust	1/2 in. (13 mm) ID

With a maximum working temperature of 250° F (121° C) at 100 PSI, Red-Line Tubing will be a problem-solver at your most challenging job sites. High-temperature tubing sets have the same UV protection as high-flow and standard tubing, along with proven chemical resistance to most compounds, so there is no swelling, cracking or breakdown if exposed to sunlight or harsh, corrosive fluids



Red-Line High Temperature Jacketed Tubing  
Model Number 41140



- **24/7 Live Support**
- **14 Local Support Offices**
- **East and West Coast Tech Centers**
- **Over 1,000 years of combined experience**
- **On-site installation assistance**
- **OSHA-certified service**
- **Largest inventory of quality pumps, parts and accessories in the industry; ready for prompt shipment.**

All models are designed for severe conditions.

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Data Sheet Reference : TDS-2395 (Issue 02)

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