



None

Hazardous Location Approval

Maximum Flow Rate (L/min)

Fluid Section Material End Port

Manifold Configuration BSPT

Connection Type Geolast

Seat Material Geolast

Ball Material Geolast

Diaphragm Material

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QUANTM i120, 2"BSPT,  
Aluminum Electric Diaphragm  
Pump, FluxCore Drive, 200-240  
V, AL Center, GE Seat, GE Ball,  
GE Diaphragm

**Part Number:** TE120-0065

## Features

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The all-aluminum fluid section is specifically designed to be abrasion-resistant while also providing mild corrosion resistance. With up to 8x more continuous torque at low speeds than conventional motors, this general-purpose electric pump is an energy-saving workhorse that is ideal for sump evacuation applications as well as applications involving the evacuation of petroleum products (new and waste oils) and evacuation of solvents. This powerful new pump delivers a higher level of reliability to minimize downtime while the plug-and-play design makes it easy to drop into any production line without additional investment or infrastructure rework. Not for use with halogenated hydrocarbons.

- Revolutionary Design
  - Replace existing air operated pumps with electric pump technology that stalls under pressure and includes AutoPrime feature
  - Patented FluxCore drive removes the gearbox providing a comparable footprint to a pneumatic diaphragm pump
  - Up to 80% reduction in energy consumption compared to pneumatic pumps, reducing operating costs and providing a quick investment payback
  - Quiet operation reduces plant noise and improves employee safety and health
  - Smart pump control provides more accurate flow set points and built-in I/O

- FluxCore Motor
  - Powder-coated aluminum FluxCore drive
  - 240 VAC 1ϕ motor with 15 ft cord and IEC 60320-C20 plug
  - Non-hazardous
- Materials of Construction
  - Aluminum fluid section with BSPT end port
  - Internal components include Geolast® seat, Geolast® ball, Geolast® diaphragm and PTFE manifold o-ring

## Specifications & Documents

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### Technical Specifications

Maximum Ambient Temperature (°F)	<b>104</b>
Maximum Fluid Operating Temperature (°C)	<b>82</b>
Diaphragm Material	<b>Geolast</b>
Overall Height (in)	<b>23.6</b>
Minimum Fluid Operating Temperature (°C)	<b>-40</b>
Maximum Fluid Operating Temperature (°F)	<b>180</b>
Fluid Inlet Size (in)	<b>2</b>
Weight (lb)	<b>99</b>
Application	<b>Chemical Processing Paints and Coatings Waste Water General Fluid Transfer</b>
Minimum Fluid Operating Temperature (°F)	<b>-40</b>
Fluid Inlet Thread Gender	<b>Female</b>
Wetted Material	<b>Aluminum Geolast PTFE</b>
Fluid Inlet Thread Type	<b>BSPT</b>
Center Section Material	<b>Aluminum</b>
Fluid Outlet Size (in)	<b>2</b>
Ball Material	<b>Geolast</b>
Manifold Configuration	<b>End Port</b>
Manifold O-Ring Material	<b>PTFE</b>

### Product Manuals

[3A7637](#)

[3A8572](#)

[3A8946](#)

Type	<b>Electric Diaphragm Pump</b>
Fluid Outlet Thread Gender	<b>Female</b>
Connection Type	<b>BSPT</b>
Fluid Outlet Thread Type	<b>BSPT</b>
Seat Material	<b>Geolast</b>
Series	<b>i120</b>
Fluid Section	<b>Aluminum, End Port, BSPT</b>
Hazardous Location Approval	<b>None</b>
Maximum Fluid Pressure (psi)	<b>60</b>
Cord Length (ft)	<b>15</b>
Model	<b>QUANTM</b>
Voltage (V ac)	<b>240 VAC 1ϕ</b>
Fluid Section Material	<b>Aluminum</b>
Motor Type	<b>FluxCore Drive</b>
Maximum Solid Size (in)	<b>0.25</b>
Maximum Amperage (A)	<b>15</b>
Maximum Flow Rate (GPM)	<b>120</b>