



None

Hazardous Location Approval

Maximum Flow Rate (L/min) Polypropylene

Fluid Section Material End Flange

Manifold Configuration Flange

Connection Type Polypropylene

Seat Material PTFE

Ball Material PTFE/Santoprene 2-Piece

Diaphragm Material

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QUANTM i120, 2"Flange,  
Polypropylene Electric  
Diaphragm Pump, FluxCore  
Drive, 200-240 V, AL Center,  
PP Seat, PT Ball, PS  
Diaphragm

Part Number: TE120-0067

## Features

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Designed with a chemical-resistant polypropylene fluid section that provides high corrosion resistance, this groundbreaking electric pump is built to efficiently handle fluid transfer applications involving most chemicals and detergents, sump evacuation applications, as well as applications involving high and low pH materials. With up to 8x more continuous torque at low speeds than conventional motors, 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.

- 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
  - Polypropylene fluid section with end flange
  - Internal components include polypropylene seat, PTFE ball, PTFE/Santoprene 2-piece 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>66</b>
Diaphragm Material	<b>PTFE/Santoprene 2-Piece</b>
Overall Height (in)	<b>25.7</b>
Minimum Fluid Operating Temperature (°C)	<b>0</b>
Maximum Fluid Operating Temperature (°F)	<b>150</b>
Fluid Inlet Size (in)	<b>2</b>
Weight (lb)	<b>100</b>
Application	<b>Chemical Processing Paints and Coatings Waste Water General Fluid Transfer</b>
Minimum Fluid Operating Temperature (°F)	<b>32</b>
Fluid Inlet Thread Gender	<b>Flange</b>
Wetted Material	<b>Polypropylene PTFE PTFE/Santoprene 2-Piece</b>
Fluid Inlet Thread Type	<b>Flange</b>
Center Section Material	<b>Aluminum</b>
Fluid Outlet Size (in)	<b>2</b>
Ball Material	<b>PTFE</b>
Manifold Configuration	<b>End Flange</b>
Manifold O-Ring Material	<b>PTFE</b>

### Product Manuals

[3A7637](#)

[3A8572](#)

[3A8946](#)

Type	<b>Electric Diaphragm Pump</b>
Fluid Outlet Thread Gender	<b>Flange</b>
Connection Type	<b>Flange</b>
Fluid Outlet Thread Type	<b>Flange</b>
Seat Material	<b>Polypropylene</b>
Series	<b>i120</b>
Fluid Section	<b>Polypropylene, End Flange</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>Polypropylene</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>