

Hazardous Location Approval	None
Maximum Flow Rate (L/min)	303
Fluid Section Material	Aluminum
Manifold Configuration	End Port
Connection Type	BSPT
Seat Material	Santoprene
Ball Material	Santoprene
Diaphragm Material	Santoprene



QUANTM i80, 1.5"BSPT,
Aluminum Electric Diaphragm
Pump, 200-240 V, AL Center,
SP Seat, SP Ball, SP
Diaphragm

Part Number: TE80-0069

Features

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 1/2 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 Santoprene seat, Santoprene ball, Santoprene diaphragm and PTFE manifold o-ring

Specifications & Documents

Technical Specifications

Maximum Ambient Temperature (°F)	104
Maximum Fluid Operating Temperature (°C)	82
Diaphragm Material	Santoprene
Overall Height (in)	19.6
Minimum Fluid Operating Temperature (°C)	-40
Maximum Fluid Operating Temperature (°F)	180
Fluid Inlet Size (in)	1.5
Weight (lb)	71
Application	Chemical Processing Paints and Coatings Waste Water General Fluid Transfer
Minimum Fluid Operating Temperature (°F)	-40
Fluid Inlet Thread Gender	Female
Construction	Aluminum Santoprene PTFE
Fluid Inlet Thread Type	BSPT
Center Section Material	Aluminum
Fluid Outlet Size (in)	1.5
Ball Material	Santoprene
Manifold Configuration	End Port
Manifold O-Ring Material	PTFE

Product Manuals

- [3A7637](#)
- [3A8572](#)
- [3A8946](#)

Type	Electric Diaphragm Pump
Fluid Outlet Thread Gender	Female
Connection Type	BSPT
Fluid Outlet Thread Type	BSPT
Seat Material	Santoprene
Series	i80
Fluid Section	Aluminum, End Port, BSPT
Hazardous Location Approval	None
Maximum Fluid Pressure (psi)	100
Cord Length (ft)	15
Model	QUANTM
Voltage (V ac)	240 VAC 1Ph
Fluid Section Material	Aluminum
Motor Type	Electric Drive
Maximum Solid Size (in)	0.19
Maximum Amperage (A)	15
Maximum Flow Rate (GPM)	80

APPLICATION FAST SET

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