



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



QUANTM i80, 1.5" Flange,
Polypropylene Electric
Diaphragm Pump, FluxCore
Drive, 200-240 V, AL Center,
PP Seat, PT Ball, PS
Diaphragm

Part Number: TE80-0060

Features

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

Technical Specifications

Maximum Ambient Temperature (°F)	104
Maximum Fluid Operating Temperature (°C)	66
Diaphragm Material	PTFE/Santoprene 2-Piece
Overall Height (in)	22
Minimum Fluid Operating Temperature (°C)	0
Maximum Fluid Operating Temperature (°F)	150
Fluid Inlet Size (in)	1.5
Weight (lb)	75
Application	Chemical Processing Paints and Coatings Waste Water General Fluid Transfer
Minimum Fluid Operating Temperature (°F)	32
Fluid Inlet Thread Gender	Flange
Wetted Material	Polypropylene PTFE PTFE/Santoprene 2-Piece
Fluid Inlet Thread Type	Flange
Center Section Material	Aluminum
Fluid Outlet Size (in)	1.5
Ball Material	PTFE
Manifold Configuration	End Flange
Manifold O-Ring Material	PTFE

Product Manuals

[3A7637](#)

[3A8572](#)

[3A8946](#)

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