

QUANTM™ VS. AIR-OPERATED



YOUR KEY TO SUSTAINABILITY

KEY FOCUS AREAS FOR SELLING QUANTM AGAINST AN AIR-OPERATED DIAPHRAGM PUMP

AODD pumps are...

- Prone to freezing
- Not energy efficient
- Loud



FEATURE	QUANTM	AODD
Stalls under pressure without external sensors	Yes	Yes
Self priming	Yes	Yes
Ability to run dry	Yes	Yes
Seals	Seal-less, no mechanical seals	Seal-less, no mechanical seals
Controls	Integrated	Not required
Flow range	0.1 to 120 gpm	Up to 300 gpm
Price point	2x AODD pump	NA
Max pressure	100 psi	Up to 120 psi
Energy efficiency	85%	<20%
Maintenance	Easy	Easy
Material range	All media, viscosity limitations	All media, viscosity limitations

QUANTM™ VS. CENTRIFUGAL



THE DIFFERENCE IS CLEAR

KEY FOCUS AREAS FOR SELLING QUANTM AGAINST A CENTRIFUGAL PUMP

Centrifugal pumps...

- Do not stall under pressure without external controls
- Use mechanical seals
- Do not self prime



FEATURE	QUANTM	CENTRIFUGAL
Stalls under pressure without external sensors	Yes	No
Self priming	Yes	No
Ability to run dry	Yes	No
Seals	Seal-less, no mechanical seals	Mechanical Seals
Controls	Integrated	Requires a VFD
Flow range	0.1 to 120 gpm	0.1 to 2000 gpm
Price point	2x AODD pump	2–5x AODD pump
Max pressure	100 psi	150 psi
Energy efficiency	85%	65%
Maintenance	Easy	Difficult
Material range	All media, viscosity limitations	Cannot handle abrasive or corrosive materials, viscosity limitations
Sheer material	No	Yes



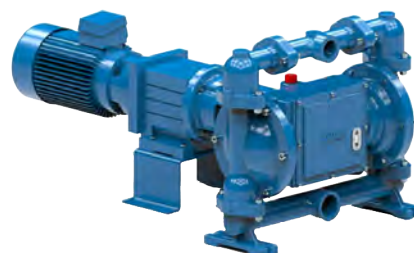
QUANTM™ VS. TRADITIONAL EODD

THE CHOICE IS CLEAR

KEY FOCUS AREAS FOR SELLING QUANTM AGAINST AN ELECTRIC DIAPHRAGM PUMP

Competitive electric pumps...

- Are expensive
- Require a VFD
- Have flow and pressure limitations
- Are not as efficient as QUANTM
- Have a large footprint



FEATURE	QUANTM	COMPETITIVE EODD
Stalls under pressure without external sensors	Yes	Yes
Self priming	Yes	Yes
Ability to run dry	Yes	Yes
Seals	Seal-less, no mechanical seals	Seal-less, no mechanical seals
Controls	Integrated	Requires a VFD
Flow range	0.1 to 120 gpm	Wide range
Price point	2x AODD pump	5x AODD pump
Max pressure	100 psi	+100 psi
Energy efficiency	85%	65%
Maintenance	Easy	Easy
Material range	All media, viscosity limitations	All media, viscosity limitations

QUANTM™ VS. GEAR PUMP



REDEFINING PUMPING SOLUTIONS

KEY FOCUS AREAS FOR SELLING QUANTM AGAINST A GEAR PUMP

Gear pumps...

- Do not stall under pressure without external controls
- Are expensive
- Use mechanical seals
- Do not self prime
- Require a VFD



FEATURE	QUANTM	GEAR PUMP
Stalls under pressure without external sensors	Yes	No
Self priming	Yes	No
Ability to run dry	Yes	No
Seals	Seal-less, no mechanical seals	Mechanical Seals
Controls	Integrated	Requires a VFD
Flow range	0.1 to 120 gpm	0.1 to 200 gpm
Price point	2x AODD pump	5x AODD pump
Max pressure	100 psi	400 psi
Energy efficiency	85%	65%
Maintenance	Easy	Difficult
Material range	All media, viscosity limitations	Cannot handle abrasive or corrosive materials

QUANTM™ VS. PERISTALTIC



OUTPERFORMING THE COMPETITION

KEY FOCUS AREAS FOR SELLING QUANTM AGAINST A PERISTALTIC PUMP

Peristaltic pumps...

- Do not stall under pressure without external controls
- Do not have integrated controls.
- Require a VFD.
- Have flow limitations.



FEATURE	QUANTM	PERISTALTIC
Stalls under pressure without external sensors	Yes	No
Self priming	Yes	Yes
Ability to run dry	Yes	Yes
Seals	Seal-less, no mechanical seals	Seal-less, no mechanical seals
Controls	Integrated	Requires a VFD
Flow range	0.1 to 120 gpm	Up to 60 gpm
Price point	2x AODD pump	5x AODD pump
Max pressure	100 psi	Up to 150 psi
Energy efficiency	85%	65%
Maintenance	Easy	Easy
Material range	All media, viscosity limitations	All media, viscosity limitations



QUANTM™ VS. PROGRESSIVE CAVITY

THE CHOICE EVERY TIME

KEY FOCUS AREAS FOR SELLING QUANTM AGAINST A PROGRESSIVE CAVITY PUMP

Progressive cavity pumps...

- Do not stall under pressure without external controls
- Do not self prime
- Use mechanical seals
- Require a VFD



FEATURE	QUANTM	PROGRESSIVE CAVITY
Stalls under pressure without external sensors	Yes	No
Self priming	Yes	No
Ability to run dry	Yes	No
Seals	Seal-less, no mechanical seals	Mechanical Seals
Controls	Integrated	Requires a VFD
Flow range	0.1 to 120 gpm	0.1 to 200 gpm
Price point	2x AODD pump	5x AODD pump
Max pressure	100 psi	400 psi
Energy efficiency	85%	65%
Maintenance	Easy	Difficult
Material range	All media, viscosity limitations	Cannot handle abrasive or corrosive materials

QUANTM™ VS. ROTARY LOBE



THE CHOICE AGAINST COMPETITION

KEY FOCUS AREAS FOR SELLING QUANTM AGAINST A ROTARY LOBE PUMP

Rotary lobe pumps...

- Do not stall under pressure without external controls
- Are expensive
- Use mechanical seals
- Do not self prime
- Require a VFD



FEATURE	QUANTM	ROTARY LOBE
Stalls under pressure without external sensors	Yes	No
Self priming	Yes	No
Ability to run dry	Yes	No
Seals	Seal-less, no mechanical seals	Mechanical Seals
Controls	Integrated	Requires a VFD
Flow range	0.1 to 120 gpm	0.1 to 200 gpm
Price point	2x AODD pump	6x AODD pump
Max pressure	100 psi	400 psi
Energy efficiency	85%	65%
Maintenance	Easy	Moderate
Material range	All media, viscosity limitations	Cannot handle abrasive or corrosive materials
Shear Material	No	Yes