



MagneDrive® Application Data Sheet

DATE:

To allow us to select a MagneDrive® that best fits your application, please provide as much of the following information as possible. The information that **MUST** be supplied is marked with an asterisk(*). This information can also be submitted electronically through our website. **PLEASE INCLUDE UNITS WHERE APPLICABLE.**

Name*: Phone*:
 Company Name*: Fax:
 Address:
 City: State: Zip Code:
 Country or Province*: Email*:

Please check the items you require a quote on*: MagneDrive®¹ Shaft Impeller Motor
¹ (Does not include shaft, impeller or motor.)

APPLICATION:

MODEL (if known):

MAX. WORKING PRESSURE*: MAX. WORKING TEMPERATURE*:

MATERIAL OF CONSTRUCTION*: 316 SS Hastelloy C276 Other

(Note - On some non-Stainless Steel MagneDrives®, material of construction of some components such as retaining rings and screws may not be available in the requested material. See bulletins for list of standard materials.)

BEARING MATERIAL: Standard Other:
 O-RING SEAL MATERIAL: Standard Other:
 IN-TANK COUPLING: Yes No SHAFT DIAMETER
 MOTOR TO DRIVE CONNECTION*: In-line Belt-driven

MIXING REQUIREMENTS

MAXIMUM FLUID DENSITY*: MAXIMUM VISCOSITY*:
 ARE SOLIDS PRESENT? No Yes SIZE: % SOLIDS:
 REACTOR INSIDE DIAMETER*: REACTOR INSIDE LENGTH*:
 SHAFT LENGTH FROM TOP OF COVER*: LIQUID HEIGHT ABOVE LOWEST IMPELLER: (required for dispersion)*

IMPELLER*:

Dispersimax™ (gas dispersion)	Diameter:	Qty:		Fixed
Straight 6-blade turbine	Diameter:	Qty:	Adjustable	Fixed
45 deg pitched 4-blade (up)	Diameter:	Qty:	Adjustable	Fixed
45 deg pitched 4-blade (down)	Diameter:	Qty:	Adjustable	Fixed
Marine Impeller (Propeller)	Diameter:	Qty:	Adjustable	Fixed
Helix	Diameter:	Number of outer flights:	Number of inner flights:	Height:
Anchor	Diameter:	Height:	(Please include sketch of desired geometry)	
Other:				

LOCATION OF IMPELLERS ON SHAFT (measured from shaft end)*:

MAXIMUM REQUIRED SPEED (RPM)*:

MINIMUM REQUIRED SPEED (RPM):

NORMAL OPERATING SPEED (RPM):

IS DISPERSION REQUIRED? Yes No

ARE MIXING BAFFLES PRESENT: Yes No

IS A FOOT BEARING AVAILABLE OR ACCEPTABLE: Yes No

DRIVE MOTOR REQUIREMENTS

DC motor AC motor

ELECTRIC MOTOR VOLTAGE REQUIREMENTS:

General Purpose

Explosion-Proof

ELECTRICAL CLASSIFICATION: CLASS DIV GROUP(S)
OTHER

Air motor

AIR SUPPLY PRESSURE AND FLOW RATE AVAILABLE:

MOTOR MOUNTING REQUIRED (Foot mount, Face mount, etc.):

MOTOR / MAGNEDRIVE® CENTER TO CENTER DISTANCE:

MISCELLANEOUS REQUIREMENTS:

Please provide any additional information on a separate sheet.

WARNING

FAILURE, IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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06-0049FE June2015



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Caution! Do not mix or interchange component parts or tubing with those of other manufacturers. Doing so is unsafe and will void warranty.

Caution! Parker Autoclave Engineers Valves, Fittings, and Tools are not designed to interface with common commercial instrument tubing and are designed to only connect with tubing manufactured to Parker Autoclave Engineers AES specifications. Failure to do so is unsafe and will void warranty.

ENGINEERING YOUR SUCCESS.