

DATE: 5/18/2016

Page: 5

BID NO.: 50-00116617

BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO X _____

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____ %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF _____.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

20-24 Weeks

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable)

N/A

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: Fluid Process & Pumps, LLC

ADDRESS: PO Box 10608

CITY, STATE: New Orleans, LA

ZIP: 70181

TELEPHONE: (504) 733-1330

FAX: (504) 736-9348

EMAIL ADDRESS: bb@fluidprocess.net

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____

NUMBER: _____

NUMBER: _____

NUMBER: _____

REJECTED
ALL BID REQUIREMENTS NOT MET

TOTAL PRICE OF ALL BID ITEMS: \$ 60,594.00

AUTHORIZED

SIGNATURE: _____

Carl A. Deroche Jr.

Printed Name

TITLE: President

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

DATE: 5/18/2016

Page 6

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00116617

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	EA	A ONE-TIME PURCHASE OF RAPID MIXERS FOR THE JEFFERSON PARISH WATER DEPARTMENT, EAST BANK WATER PLANT		
			0010 - HAYWARD GORDON MBX-611 MIXER RAPID MIXER, EACH MIXER ASSEMBLY	29,300.00	58,600.00
2	2.00	ST	SHALL CONSIST OF A HEAVY-DUTY GEARBOX, ELECTRIC MOTOR CONNECTED BY A FLEXIBLE COUPLING, BASEPLATE, MIXING SHAFT AND MIXING IMPELLER		
			PER THE ATTACHED SPECIFICATIONS		
			0020 - SPARE PARTS SET SPARE PARTS SET TO INCLUDE: *(1) ONE SET OF BEARING *OIL SEALS *GASKETS	997.00	1,994.00
			ONE (1) SPARE PARTS SET TO BE PROVIDED PER MIXER		

REJECTED
ALL BID REQUIREMENTS NOT MET

Non-Public Works Bid

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF Jefferson

BEFORE ME, the undersigned authority, personally came and appeared: Carl A. Deroche Jr.
_____, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized Officer of Fluid Process & Pumps, LLC (Entity),
the party who submitted a bid in response to Bid Number 50-00116617, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A X Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B _____ there are NO campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.


Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.




Signature of Affiant

Carl A. Deroche Jr.

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 20th DAY OF May, 2016.



Notary Public

Alan Emerman

Printed Name of Notary

ID # 36648

Notary/Bar Roll Number

My commission expires For Life.

ATTACHMENT:

Campaign Contribution Disclosures:

Payee: Elton Lagasse - Campaign Fund
Check #: 11656
Date: 4/28/15
Amount: \$1,000.00

Payee: Elton Lagasse - Campaign Fund
Check #: 12194
Date: 7/7/15
Amount: \$1,500.00

Payee: Paul Johnston - Campaign Fund
Check #: 12355
Date: 8/3/15
Amount: \$1,000.00

Payee: Michael S. Yenni - Campaign Fund
Check #: 12393
Date: 8/7/15
Amount: \$2,500.00

Payee: Michael S. Yenni - Campaign Fund
Check #: 13804
Date: 4/19/16
Amount: \$1,500.00

[Print](#)

Notary Search - Detail

Name: MR. ALAN R. EMERMAN
Address: 1812 CLEARVIEW PKWY.
METAIRIE, LA 70001
Phone: (504) 455-1643
Notary ID Number: 36648
Parish: JEFFERSON with STATEWIDE JURISDICTION
Agency: N/A
Notary Type: Attorney
Bar Roll #: 5344
Status: Active
Commission Date: 11/14/1983
Oath Date: 11/10/1983
Surety Expiration Date: Not Required
Annual Report Current: Not Applicable

[Back to Search Results](#)[New Search](#)

FLUID PROCESS & PUMPS, L.L.C.

MEMBERSHIP MEETING

May 17, 2010

Present: Carl A. Deroche, Jr.

The meeting commenced Monday, May 17, 2010 at 8:00 a. m. at the offices of Fluid Process & Pumps, L.L.C., 405 Commerce Point, Harahan, LA 70123.

It was resolved and passed that Carl A. Deroche, Jr. as sole member and manager of Fluid Process & Pumps, L.L.C. shall have the right and responsibility to sign all bids, contracts, change orders, and performance bonds for Fluid Process & Pumps, L.L.C.

The foregoing was agreed upon and verified by signature affixed at the bottom of these minutes.

FLUID PROCESS & PUMPS, L.L.C.

A handwritten signature in black ink, appearing to read 'Carl A. Deroche, Jr.', is written over a horizontal line.

CARL A. DEROCHE, JR.,

MEMBER



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
5/24/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aparicio Walker and Seeling, Inc. P.O. Box 95 Metairie LA 70004		CONTACT NAME: PHONE (A/C, No, Ext): 504-883-4111 FAX (A/C, No): 504-883-4100 E-MAIL ADDRESS: awsreceptionist@awsinc.com	
INSURED Fluid Process & Pumps, LLC Debbie Diliberto 405 Commerce Point Harahan LA 70123		INSURER(S) AFFORDING COVERAGE INSURER A: *American Casualty Company INSURER B: *Bridgefield Casualty Ins. Co. INSURER C: INSURER D: INSURER E: INSURER F:	
FLUID-1		NAIC # 20427 10355	

COVERAGES

CERTIFICATE NUMBER: 1464645119

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	Y	Y	4027197619	6/1/2015	6/1/2016	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$100,000 MED EXP (Any one person) \$5,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$10,000	Y	Y	4027197605	6/1/2015	6/1/2016	EACH OCCURRENCE \$4,000,000 AGGREGATE \$ \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y	N/A	0196-31579	6/1/2015	6/1/2016	<input checked="" type="checkbox"/> WC STATUTORY LIMITS E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
A	Property			4027197619	6/1/2015	6/1/2016	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

The following coverage's are provided per written contract prior to any loss:
General Liability provides Additional Insured per G17957H 01-13.
Workers Compensation coverage provides Blanket Waiver of Subrogation per WC 00 03 13.

Full Name of Certificate Holder:
See Attached...

CERTIFICATE HOLDER**CANCELLATION**

The Parish of Jefferson
(See Below for Full Certificate Holder Name)
3600 Jefferson HWY, Bldg D
Jefferson LA 70121

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Frank E. Seeling III

AGENCY CUSTOMER ID: FLUID-1

LOC #: _____



ADDITIONAL REMARKS SCHEDULE

Page 1 of 1

AGENCY Aparicio Walker and Seeling, Inc.		NAMED INSURED Fluid Process & Pumps, LLC	
POLICY NUMBER		Debbie Diliberto 405 Commerce Point Harahan LA 70123	
CARRIER	NAIC CODE	EFFECTIVE DATE:	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE

The Parish of Jefferson, It's Districts, Departments & Agencies Under the Direction of the Parish President and the Parish Council EB Water Treatment Plant

BID #50-00116617



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
05/25/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER **CHUCK MIRAMON**
4402 HWY 22
MANDEVILLE LA 70471



CONTACT NAME: Barbara Miramon
PHONE (A/C, No, Ext): 985-626-0200 FAX (A/C, No): 985-626-1003
E-MAIL ADDRESS: CHUCK.MIRAMON.HXKE@STATEFARM.COM

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: State Farm Mutual Automobile Insurance Company	25178
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	
INSURER F:	

INSURED **FLUID PROCESS & PUMPS LLC**
PO BOX 10608
NEW ORLEANS LA 70181

COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY					
	COMMERCIAL GENERAL LIABILITY					EACH OCCURRENCE \$
	CLAIMS-MADE <input type="checkbox"/> OCCUR <input type="checkbox"/>					DAMAGE TO RENTED PREMISES (Ea occurrence) \$
						MED EXP (Any one person) \$
						PERSONAL & ADV INJURY \$
	GEN'L AGGREGATE LIMIT APPLIES PER:					GENERAL AGGREGATE \$
	POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC <input type="checkbox"/>					PRODUCTS - COMP/OP AGG \$
A	AUTOMOBILE LIABILITY	Y Y	031-4664,068-3193,076-5600 102-4519,106-7203,129-2175, 031-4652,031-4634,145-6073 031-4355	03/19/2016	09/19/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000
	ANY AUTO <input type="checkbox"/>					BODILY INJURY (Per person) \$
	<input checked="" type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS					BODILY INJURY (Per accident) \$
	<input type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS					PROPERTY DAMAGE (Per accident) \$
						\$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/>					EACH OCCURRENCE \$
	EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/>					AGGREGATE \$
	DED <input type="checkbox"/> RETENTION \$ <input type="checkbox"/>					\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY					WC STATUTORY LIMITS <input type="checkbox"/> OTHER <input type="checkbox"/>
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICE/MEMBER EXCLUDED? <input type="checkbox"/> (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/> N/A <input type="checkbox"/>				E.L. EACH ACCIDENT \$
						E.L. DISEASE - EA EMPLOYEE \$
						E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Additional Insured: The Parish of Jefferson, It's Districts, Departments & Agencies Under the Direction of the Parish President and the Parish Council
EB Water Treatment Plant
3600 Jefferson Hwy. Bldg D
Jefferson, LA 70121
Bid# 50-00116617

CERTIFICATE HOLDER**CANCELLATION**

The Parish of Jefferson, It's Districts, Departments & Agencies Under the direction of the Parish President and the Parish Council EB Treatment Plant 3600 Jefferson Hwy Bldg D Jefferson, LA 70121

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

SL

**Request for Taxpayer
Identification Number and Certification**

Give Form to the
requester. Do not
send to the IRS.

Print or type
See Specific instructions on page 2.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. FLUID PROCESS & PUMPS, LLC	
2 Business name/disregarded entity name, if different from above	
3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ C Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>
5 Address (number, street, and apt. or suite no.) P. O. BOX 10608	Requester's name and address (optional)
6 City, state, and ZIP code NEW ORLEANS, LA 70181	
7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number								
			-			-		
or								
Employer identification number								
2	7	-	2	3	1	2	5	6 1

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
 - I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
 - I am a U.S. citizen or other U.S. person (defined below); and
 - The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.
- Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign
Here

Signature of
U.S. person ▶

Date ▶ **7/24/15**

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.
Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

• Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)

• Form 1099-C (canceled debt)

• Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding? on page 2.

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.



Bid Number 50 - 00116617

**A PURCHASE OF RAPID MIXERS FOR THE JEFFERSON PARISH WATER
DEPARTMENT, EAST BANK WATER PLANT**

BID DUE: June 2, 2016 / 2:00 PM

ATTENTION VENDORS!!!

**Please review all pages and respond accordingly, complying with all provisions
in the technical specifications and Jefferson Parish Instructions for Bidders and
General Terms and Conditions. All bids must be received in the Purchasing
Department by the bid due date and time.**

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053
Buyer: Melissa Ovalle
Buyer Email: movalle@jeffparish.net
Buyer Phone #: 504-364-2687**

Specifications

Rapid Mixers East Bank Jefferson Parish Water Plant

1. A total quantity of 2 Rapid Mixers are required. Each basin is 141" wide, by 348" long with a side water depth of 162". Each mixer assembly shall consist of a heavy-duty gearbox, electric motor connected by a flexible coupling, baseplate, mixing shaft and mixing impeller. Hayward Gordon Model MBX (or equivalent) mixers.
2. The mixing impeller shall be of the pitch blade turbine flow design with a minimum impeller diameter of 78 inches and a maximum operating speed of 45 RPM. The impeller shall be constructed of 316 SS material with the blades bolted to the hub and with the hub fixed to the shaft with hook key and set screws for maximum security. An extended keyway shall be provided which will allow vertical adjustment of the impeller +/- 12" in 3" increments.

The maximum combined stress in any impeller component shall not exceed 11,000 psi under maximum operating loads. The shaft/impeller design shall be such that its operating speed shall not exceed 70% of its first lateral critical speed. Upon request, stress and critical speed calculations supporting shaft and impeller design are to be supplied with the submittal package.

3. The mixer gear reducer must be built in accordance with current AGMA standards. The reducer shall be a right angle design with horizontal input shaft and vertical output shaft. Speed reduction to be accomplished by use of a double reduction gearbox with high speed helical gearing and low speed spiral bevel gearing. The maximum ratio for any one gear set will be 6.2:1. Efficiency shall be no less than 98.5% efficiency per gear mesh. The housing shall be fabricated steel. The housing shall have an enlarged low speed bore to allow for assembly and adjustment of the low speed bevels without disturbing the high-speed gearing. Output of the mixers is to be 45 RPM

The housing shall have a removable high-speed end for easy ratio change and assembly/disassembly of the high-speed end without disturbing the low speed gearing. Each unit will be provided with an integral or separate baseplate suitable for mounting as shown on the drawings.

All gearing shall be lubricated by means of oil splash or immersion into the oil bath. The drive shall be equipped with a dipstick and/or an oil level sight glass to check the oil level. The drives must incorporate a drywell feature in the output area to eliminate the possibility of oil leakage down the shaft. Selected bearings may be grease lubricated provided they include a high quality seal to retain the grease.

The drive's minimum AGMA service factor, based on motor nameplate horsepower, will be 1.5. Upon request, documentation supporting gear ratings are to be supplied with the submittal package. Thermal ratings shall be calculated for continuous operation per AGMA standards based on a maximum sump temperature of 200°F and an ambient temperature of 100°F.

All drive bearings shall be of the antifriction type, ball or roller bearings. All bearings within the drive, including the output shaft bearings, shall have a minimum L-10 bearing life of 100,000 Hrs. when operating at full motor nameplate horsepower at the designed speed. Upon request, documentation supporting bearing life will be supplied with the submittal package.

Specifications

4. The mixing shaft shall be coupled to the gearbox output shaft by means of a rigid flanged coupling. Mating coupling faces shall have a male/female piloted connection for accurate concentricity and shall not require match marking for alignment.

The mixing shaft and coupling half shall be constructed of 316SS material. The shaft shall be designed such that the maximum combined stress does not exceed 9,000 psi under maximum operating loads. It shall be of overhung design – the use of underwater steady bearings is not permitted. Shaft straightness and rigid coupling squareness must be such that the maximum total indicated runout at the lower end of the shaft does not exceed 0.125" for every 10' of shafting, as measured when turning over by hand.

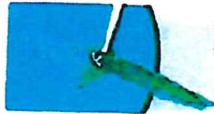
5. The electric motor shall be rated for continuous duty in a humid corrosive environment. Insulation shall be class F with a Class B temperature rise at 40o C ambient at 1.0 service factor. Service factor will be 1.15.

The motor shall be squirrel cage induction type for operation on 40 H.P.; 3 PH, 60 HZ, 460 V. Synchronous speeds shall be 1800 RPM TEFC. All motors shall be designed with applicable IEEE, NEMA, and ANSI standards.

Motors shall be connected to the reducer's input shaft with an easily accessible torsionally resilient flexible coupling protected by an OSHA coupling guard.

6. Upon installation, each unit shall be run to demonstrate its ability to operate without overloading, jamming or excessive vibration during normal operation.
7. The spare parts to be supplied are one set of bearings, oil seals and gaskets per mixer.

Specifications



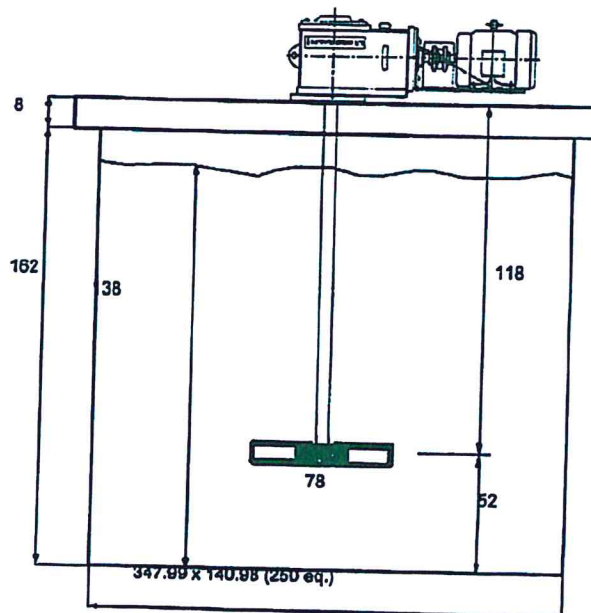
MIXING ASSIST
Hayward Gordon

TANK DIMENSIONS

UNDEFINED1	347.99
UNDEFINED1	140.98
Liquid Height (in)	138
Tank Straight Side (in)	162
Mounting Height (in)	8
Tank Top / Bottom	Flat / Flat
Live Straight Side Vol (USGal)	29308
Total Vol (USGal)	29308

BLENDING PARAMETERS

Mixing Intensity	Strong
RPM	45
Mixture Sg	1
Viscosity (cps)	1.01
Eq. Volume (USGal)	29308
Required Torque (in-lb)	8089



IMPELLER PERFORMANCE DATA

Style	4PBT45
Diameter (in)	78
D/T	0.312
Position (in)	118
Projected Height (in)	Std
Torque (in-lb)	41912
BHP (HP)	29.93
Tq/Veq (in-lb/gal)	1.43
Tip Speed (FPM)	918.9
Primary Pumping (GPM)	80025
Superficial Velocity (FPM)	31.4
Velocity Gradient (1/s)	446.4
Impeller NRe	2900442
Viscosity Factor	1
Proximity Factor	1.069
Width Factor	1

Version 3.00

DATE: 5/18/2016

INVITATION TO BID
THIS IS NOT AN ORDER

BID NO.: 50-00116617

JEFFERSON PARISH
PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

Page: 1

BUYER: MOVALLE@jeffparish.net

BIDS WILL BE RECEIVED IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 6/02/2016 AND PUBLICLY OPENED THEREAFTER.

LATE BIDS WILL NOT BE ACCEPTED

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS
THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

All vendors submitting bids must register as a Jefferson Parish vendor if not already yet registered. Bidders may be required to furnish current W-9 Forms and respective Tax Identification Numbers within 10 days after bid opening if such information is not on file or not up to date. Registration forms may be downloaded from www.purchasing.jeffparish.net and clicking on Vendor Information.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing and fax them to the Purchasing Department at (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests. Questions may also be emailed to the buyer for this bid at the email address listed above. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

DATE: 5/18/2016

BID NO.: 50-00116617

Page: 2

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

If the bid exceeds \$30,000.00 and the company is duly authorized to do business in the state of Louisiana, a corporate resolution must be submitted with the bid or the person signing the bid documents must be listed on the Louisiana Secretary of State's website as an officer of the corporation, unless bidder has otherwise complied with LSA-R.S. 38:2212(B)(5). If the bid is in excess of \$30,000 and bidder is registered out of the state of Louisiana, a corporate resolution must be submitted with the bid, unless bidder has otherwise complied with LSA-R.S. 38:2212(B)(5). Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. Bids submitted by Owner or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. Sole proprietors submitting bids for public works projects shall within 10 days after bid opening submit sole proprietorship certification.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. IN THE EVENT OF SPLIT AWARD, THE PURCHASING DEPARTMENT MAY CONTACT VENDORS TO REQUEST REQUIRED AFFIDAVITS. THOSE VENDORS WILL HAVE 10 DAYS FROM THE DATE OF NOTICE TO SUBMIT COMPLETE, SIGNED AND NOTARIZED AFFIDAVITS IN ORIGINAL FORMATS.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA-R.S.38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free serve; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit the Purchasing Department webpage at <http://purchasing.jeffparish.net> to register and review Jefferson Parish solicitations.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE
CORRESPONDING INSTRUCTIONS BELOW.

13, 15

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

7. **PUBLIC WORKS BIDS:** All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. **NON-PUBLIC WORKS BIDS:** A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. **NON-PUBLIC WORKS BIDS:** A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicated on the attached sheet. The current certificate of insurance must be submitted by low bidder within 10 days after bid opening to the Purchasing Department. Failure to comply will cause bid to be rejected. JEFFERSON PARISH reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies) If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. **PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required;** Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit and E-Verify Affidavit must be completed, signed, notarized and submitted by low bidder within 10 days after bid opening to the Purchasing Department on all solicitations for construction, alteration or demolition of public building or project, including but not limited to requirements found in LSA-RS 38:2212.9; LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1. Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.
15. **NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required;** Non-Collusion Affidavit, and Campaign Contribution Affidavit must be completed, signed, notarized and submitted by low bidder within 10 days after bid opening to the Purchasing Department. See LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1 Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding reimbursement.. As such, the referenced attachment will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted within 10 days of bid opening. Failure to submit applicable certifications within 10 days of bid opening will result in bid rejection.
17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owned on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session – Louisiana Revised Statute 47:301(8)(c). Owner will furnish contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

DATE: 5/18/2016

Page: 5

BID NO.: 50-00116617

BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO ✓

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF 9/1/2016

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

4-6 WEEKS

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

REJECTED
ALL BID REQUIREMENTS NOT MET

FIRM NAME: THOMAS PUMP & MACHINERY, INC.

ADDRESS: 120 INDUSTRIAL DRIVE

CITY, STATE: SLIDELL, LA ZIP: 70460

TELEPHONE: (985) 649-3000 FAX: (985) 649-4300

EMAIL ADDRESS: steves@thomaspump.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____

NUMBER: _____

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 140,000.00

AUTHORIZED SIGNATURE: Steve Smith

STEVE SMITH

Printed Name

TITLE: SALES / APPLICATIONS

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

Non-Public Works Bid

AFFIDAVIT

STATE OF LOUISIANA

PARISH/COUNTY OF ST. TAMMANY

BEFORE ME, the undersigned authority, personally came and appeared: JAMES (J.) W. THOMAS, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized PRESIDENT of THOMAS PUMP & MACHINERY, INC. the party who submitted a bid in response to Bid Number 50-00116617, to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X there are NO campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

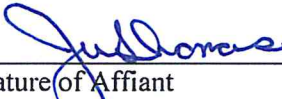
Choice B X _____ There are NO debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

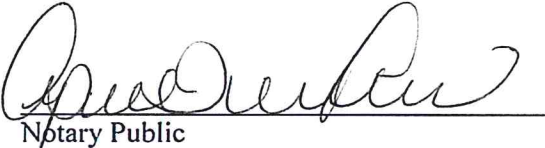
[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.


Signature of Affiant

J.W. Thomas - President Thomas Pimp
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 31st DAY OF May, 2014.


Notary Public

April Duneheew
Printed Name of Notary

131966
Notary/Bar Roll Number

My commission expires with my life



April Duneheew
NOTARY PUBLIC NO. 131966
STATE OF LOUISIANA
PARISH OF ST. TAMMANY
My Commission is for Life



[Print](#)

Notary Search - Detail

Name: MS. APRIL DUNEHEW
Address: 434 TANGLEWOOD DRIVE
SLIDELL, LA 70458
Phone: (985) 641-9884
Phone 2: (985) 445-8102
Notary ID Number: 131966
Parish: ST. TAMMANY with STATEWIDE JURISDICTION
Agency: N/A
Notary Type: Non Attorney
Status: Active
Commission Date: 03/22/2013
Oath Date: 03/07/2013
Surety Expiration Date: 03/08/2018
Annual Report Current: Yes

Notary Events

Name Change	Previous Name: APRIL WILLIAMS	Previous Commission Date: Unknown
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Deceased, Inactivated, Leave of Absence, Pre-Assessment Registration, Pre-Assessment Taken, Resigned, Retirement, and Revoked events are not available prior to February 11, 2012.

[Back to Search Results](#)[New Search](#)

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
THOMAS PUMP & MACHINERY
INCORPORATED.

AT THE MEETING OF DIRECTORS OF THOMAS PUMP & MACHINERY
INCORPORATED, DULY NOTICED AND HELD ON MAY 31, 2016,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT J.W. THOMAS, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.



SECRETARY-TREASURER

5/31/16

DATE

(<http://www.sos.la.gov/Pages/default.aspx>)

(<http://www.sos.la.gov/Pages/default.aspx>)



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TOM SCHEDLER

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Name	Type	City	Status
THOMAS PUMP & MACHINERY, INC.	Business Corporation	SLIDELL	Active

GET HELP**Previous Names**

Business: THOMAS PUMP & MACHINERY, INC.

Charter Number: 34194285D

Registration Date: 12/30/1985

Domicile Address

120 INDUSTRIAL DRIVE

SLIDELL, LA 70460

Mailing Address

C/O JAMES W. THOMAS

120 INDUSTRIAL DRIVE

SLIDELL, LA 70460

Principal Office Address

120 INDUSTRIAL DRIVE

SLIDELL, LA 70460

Status

Status: Active

Annual Report Status: In Good Standing

File Date: 12/30/1985

Last Report Filed: 12/12/2015

Type: Business Corporation

Registered Agent(s)

Agent:	JAMES W. THOMAS
Address 1:	120 INDUSTRIAL DRIVE
City, State, Zip:	SLIDELL, LA 70460
Appointment Date:	3/29/1993

Officer(s)

Additional Officers: No

Officer:	JIM THOMAS
Title:	President
Address 1:	120 INDUSTRIAL DRIVE
City, State, Zip:	SLIDELL, LA 70460
Officer:	REBECCA RHOTO
Title:	Secretary/Treasurer
Address 1:	120 INDUSTRIAL DRIVE
City, State, Zip:	SLIDELL, LA 70460
Officer:	JOE GALEY
Title:	Vice-President
Address 1:	120 INDUSTRIAL DRIVE
City, State, Zip:	SLIDELL, LA 70460
Officer:	DAVID BENTON
Title:	Vice-President
Address 1:	120 INDUSTRIAL DRIVE
City, State, Zip:	SLIDELL, LA 70460

GET HELP

Mergers (1)

Filed Date	Effective Date:	Type	Charter#	Charter Name	Role
9/30/2003	9/30/2003	MERGE	34194285D	THOMAS PUMP & MACHINERY, INC.	SURVIVOR
			34302485D	THOMAS CABLEWAY PRODUCTS, INC.	NON-SURVIVOR

Amendments on File (33)

Description	Date
Domicile, Agent Change or Resign of Agent	3/29/1993
Appointing, Change, or Resign of Officer	7/1/2002
Merger	9/30/2003
Annual Report	7/28/1986
Annual Report	5/8/1987
Annual Report	5/17/1988
Annual Report	5/17/1990
Annual Report	5/17/1990
Annual Report	4/4/1991
Annual Report	5/22/1992
1 2 3 4	

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Form **W-9**

(Rev. December 2011)
Department of the Treasury
Internal Revenue Service

**Request for Taxpayer
Identification Number and Certification**

Give Form to the
requester. Do not
send to the IRS.

Print or type
See Specific instructions on page 2.

Name (as shown on your income tax return)

Thomas Pump & Machinery, Inc.

Business name/disregarded entity name, if different from above

Check appropriate box for federal tax classification:

☐ Individual/sole proprietor ☒ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶

☐ Exempt payee

☐ Other (see instructions) ▶

Address (number, street, and apt. or suite no.)

P.O. Box 2530

City, state, and ZIP code

Slidell, LA 70459

List account number(s) here (optional)

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I Instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number

 - -

Employer identification number

7 2 - 1 0 5 7 3 2 3

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign
Here

Signature of
U.S. person ▶

Date ▶

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.



Thomas Pump & Machinery

June 2, 2016

Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053

Attention: Melissa Ovalle, Buyer

REFERENCE: Bid Number 50 - 00116617

Dear Melissa,

We are pleased to offer two Mixers per specifications. The Fusion mixers being offered are equivalent and exceed design specifications of the Hayward Gordon Model MBX. There are no exceptions taken. *Please note that if we did not quote the Dry Well w/ Heavy Duty Drop Bearings, as specified, the cost would be significantly reduced.* Documents attached give detailed specifications of our offering. Spare parts as required are included.

Fusion Model FR3-8M-4 ----- Net Each: \$ 70,000.00
Total Cost X 2: \$140,000.00

Lead Time: Approval Drawings 1.5 weeks after receipt of PO
Shipment 4 weeks after drawing approval
FOB: Destination
Terms: 25% with order, 25% progress payment and 50% net 30 days (with approved credit)

If you have any questions or need additional information, please let us know.

Sincerely,
Thomas Pump & Machinery



Johnny Cothorn, Sales



Steve Smith, Applications

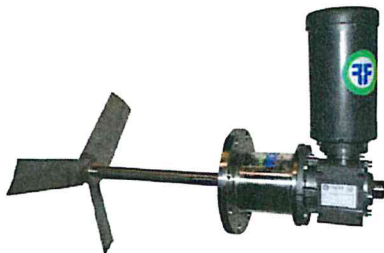
<u>Description</u>		
Model Number: FR3-8M-4 (Net Each)		\$ 70,000.00
Total Project Cost 2X Model Number: FR3-8M-4 Units		\$ 140,000.00
Motor Drive Specifications (Continuous Operation)		
Motor Brand	TECO-Westing House TEFC Pre Eff	
Motor Power (HP)	40	
Nominal Input Speed (RPM)	1800	
Motor Frequency (Hz)	60	
Motor Voltage (V)	480	
Motor Duty	IEEE Marine Duty 841	
Enclosure	TEFC (IP55)	
High Speed Coupling	Flex-Coupling	
Service Factor (min)	1.15	
Machine / Mounting		
Gear Drive - Helical-Bevel	2-Stage with Dry Well w/ Heavy Duty Drop Bearings	
Mixer Shaft Coupling	Ridgid-Ridgid	
Operating Speed RPM / Ratio	43 RPM / 41.54:1	
Mounting	Plate Mount	
Service Factor	AGMA Service Class II 1.5 Minimum	
Below 70% 1st Critical Speed	Yes	
Shaft Specifications		
Shaft Diameter (in)	4.5	
Shaft Length (in)	118	
Wetted Parts Material	316SS (Material Certs Available once Ordered)	
Impeller Specifications		
Impeller Type	4 Blade Pitch Blade Turbine (Bolted Blades)	
Impeller Diameter (in.)	78	
Impeller Attachment	Keyed to Shaft (Hook Keys Included with set screws	
Impeller Adjustment	+/- 12" Adjustment 3" Increments	
Wetted Parts Material	316SS (Material Certs Available once Ordered)	

Fusion Flow Series – Right Angle Drive

Flexible Large Scale Mixers



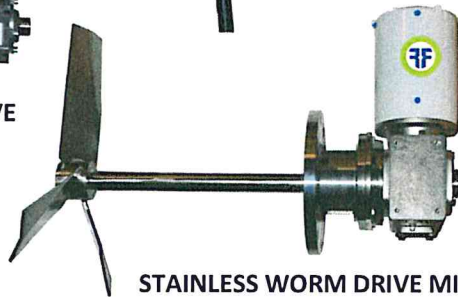
**STAINLESS MOTOR
AND WORM DRIVE**



**STANDARD WORM DRIVE
WITH STUFFING BOX**



**HELICAL-BEVEL
DRIVE MIXER**



**STAINLESS WORM DRIVE MIXER
WITH SANITARY MOTOR**

FEATURES AND BENEFITS:

- ✱ Mixer-duty electric motors are available in a variety of sizes, phases, and voltages chosen based on your need. Other options include washdown duty, inverter duty, DC electric, and explosion proof motors. Air motors are also available.
- ✱ Many right angle gearbox options are available that require less space in restricted areas:
 - Helical-bevel gearboxes with double or triple reduction gear arrangements provide quiet operation and extended life. Hundreds of gear ratios are available.
 - Worm drive gearboxes offering single or double reduction worm gear arrangements allow high shock loading and economical design. Choose from 13 gear ratios to match process requirements.
 - Minimum of 1.5 mechanical service factor on all gearing and bearings.
- ✱ Virtual drywells and heavy-duty output bearings are typically used on large units for reduced vibration and to allow for longer shaft lengths (available with Helical-Bevel gearboxes). Rigid in-tank couplings used as required.
- ✱ Closed Tank configurations are available with vapor seals, stuffing box glands (up to 150 PSI) and single or double mechanical seals (300+ psi). In-tank shutoff mechanism allows seal changes on side entry mixers without emptying the tank.
- ✱ Stainless Steel components, Steel-It™ USDA-compliant paint, polished shafts and various shaft coatings are available for sanitary applications and chemical resistance.
- ✱ Various impeller styles and mounting options such as ANSI flange mount, TriClamp mount, beam mount are available for your process.

MOUNTING OPTIONS:



**ANSI
Flange**



**TriClamp
Flange**



Beam

DESIGN INTENT

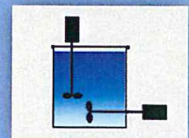
Heavy-duty and flexible, the Flow Series Right Angle mixers are designed to meet the needs of your large scale mixing applications.

EXAMPLE APPLICATIONS

- Industrial Mixing & Blending
- Large Scale Sanitary and BioPharm
- Reaction Tanks
- Low or High Viscosity Blending
- Large Scale Waste Treatment & Much More!

SPECS

- Gear Drive: ¼ - 100HP
3-450 RPM
- Batch: 50 to 1,000,000 Gallons
- Shaft Length:
Up to 360" FMB



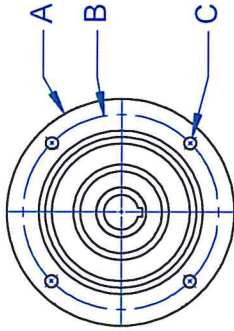
Top or Side Entry



www.fusionfluid.com

MOST COMMON AVAILABLE OPTIONS:

- SINGLE PHASE TEFC MOTOR
- 50Hz INVERTER DUTY MOTOR
- SANITARY MOTOR
- EXPLOSION PROOF MOTOR
- ALTERNATE IMPELLER SIZES AND TYPES
- SANITARY FINISHES



MOUNTING DETAIL

# BEARING HOUSING OPTIONS				
0	STANDARD DUTY/STANDARD SPAN			
-1	HEAVY DUTY/STANDARD SPAN			
-2	SEVERE DUTY WIDE SPAN/VIRTUAL DRYWELL			
-4	SEVERE DUTY WIDE SPAN/TRUE DRYWELL			

DOUBLE REDUCTION					
DIM	FR2-1M	FR2-2M	FR2-3M	FR2-4M	FR2-5M
FLANGE (A)	5.51"	6.30"	7.87"	7.78"	9.84"
B.H.C. DIAMETER (B)	4.53"	5.12"	6.50"	6.50"	8.46"
BOLT HOLE DIA (C)	0.35"	0.35"	0.43"	0.43"	0.53"
DIM H	6.50"	7.00"	8.75"	9.50"	11.50"
DIM L	19.50"	20.00"	26.00"	29.00"	31.50"
TRIPLE REDUCTION					
DIM	FR3-1M	FR3-2M	FR3-3M	FR3-4M	FR3-5M
FLANGE (A)	7.87"	9.84"	11.81"	13.78"	15.75"
B.H.C. DIAMETER (B)	6.50"	8.46"	10.43"	11.81"	13.78"
BOLT HOLE DIA (C)	0.43"	0.55"	0.71"	0.71"	0.71"
DIM H	11.00"	12.50"	13.50"	17.50"	22.00"
DIM L	15.50"	22.50"	29.00"	35.00"	37.50"

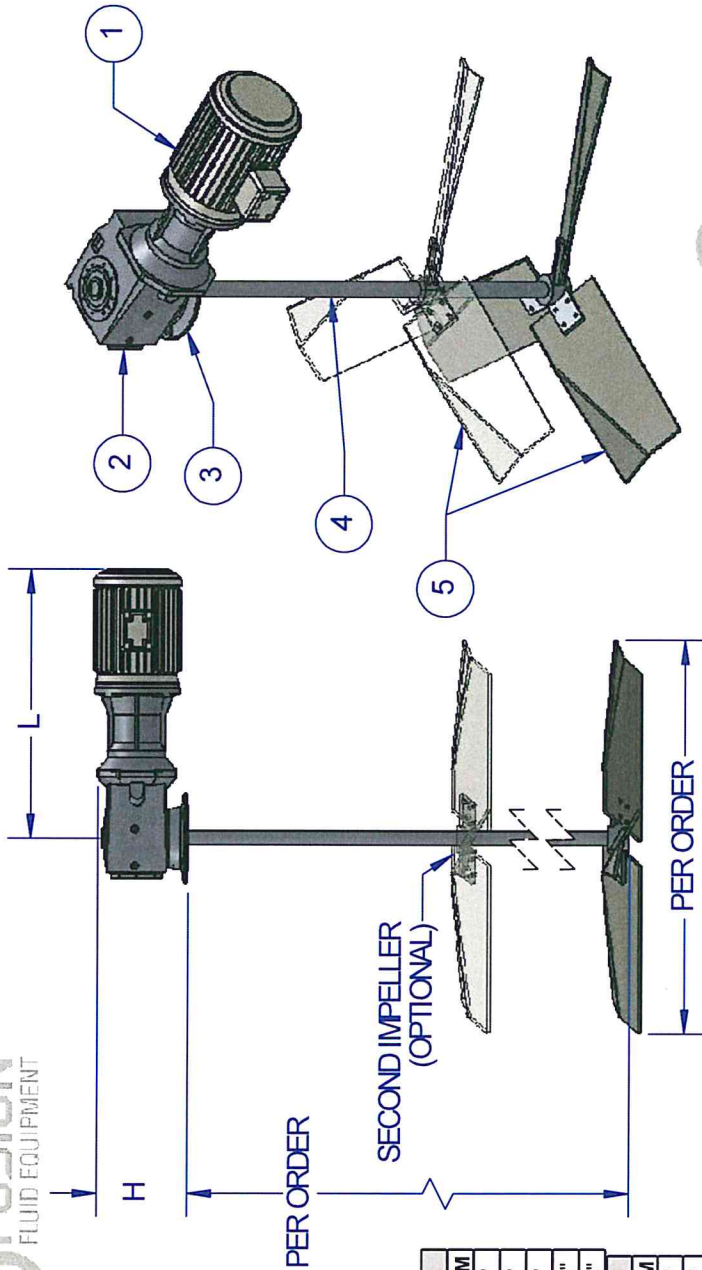
TYPICAL IMPELLER OPTIONS

BOLTED PF3 HYDROFOIL	BOLTED PBT (PITCH BLADE TURNBINE)	RADIAL	RUSHTON	PV3 PROP

DESCRIPTION

1	MOTOR-230/460/60, THREE PHASE, TEFC STANDARD, INVERTER DUTY (10:1), PAINTED FINISH
2	GEARBOX-HELICAL/BEVEL OUTPUT SPEED PER ORDER, PAINTED FINISH
3	MOUNT - OPEN TANK MOUNT- SEE TABLE FOR DETAILS
4	SHAFT-MATERIAL AND SIZE PER ORDER
5	IMPELLER-STAINLESS STEEL, SIZE, STYLE, & QTY PER ORDER

DIMENSIONS NOTED ARE APPROXIMATE AND ARE BASED ON STANDARD MIXER SELECTION.
PLEASE CONTACT FUSION FOR EXACT DIMENSIONS.



DRAWN	JDF	10/04/12	NAME	DATE
CHECKED	PIC	10/04/12		
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FUSION FLUID EQUIPMENT. IT IS TO BE USED IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FUSION FLUID EQUIPMENT LLC. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT CUSTOMER NOTIFICATION OR CONSENT.				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. NO TOLERANCE IS IMPLIED. DO NOT SCALE DRAWING.				
TITLE: FUSION FLOWFRM TOP ENTRY CIRCULAR MOUNT MIXER HELICAL/BEVEL DRIVE OPEN TANK				
SIZE DWG. NO. A			REV. A	
SALES-FR # - # M - #			SHEET 1 OF 1	
SCALE: 1:24			WEIGHT:	

SHAFT DESIGN

V 104-(2-16-06)

5:04 PM

Material Stainless Steel

Diameter
Length
Shaft Speed
Temperature
Pressure4.5
144
45.0 RPM
200.0 °F
0.0 psig

Mixer Orientation: Top Entering

Critical Speeds
233.9 RPM (19.2 %)
2258.1 RPM (1.9 %)

Span	Shaft Length (inches)	Shaft O. D. (inches)	Shaft I. D. (inches)	Support Stiffness (lb/in)	Lumped Mass (lb)	Impeller Force (lb)	Impeller Power (HP)	Impeller Thrust (lb)	Shaft Deflection (inches)	Bending Moment (in-lbs)	Tensile Stress (psi)	Shear Stress (psi)
1	0.01	4.50	0.00	1.00E+07	0.00	0.00	0.00	0.00	0.00	0.00	2,661.41	2,661.41
2	20.00	4.50	0.00	1.00E+07	0.00	0.00	0.00	0.00	0.00	65,181.59	8,154.58	4,511.59
3	0.01	4.50	0.00	1.00E+07	0.00	0.00	0.00	0.00	0.00	65,185.51	8,155.98	4,512.22
4	0.01	4.50	0.00	0.00E+00	0.00	0.00	0.00	0.00	0.000	65,189.99	8,155.43	4,511.97
5	0.01	4.50	0.00	0.00E+00	0.00	0.00	0.00	0.00	0.000	65,184.47	8,154.87	4,511.72
6	0.01	4.50	0.00	0.00E+00	0.00	0.00	0.00	0.00	0.000	65,178.95	8,154.31	4,511.47
7	0.01	4.50	0.00	0.00E+00	0.00	0.00	0.00	0.00	0.000	65,173.43	8,153.75	4,511.22
8	0.01	4.50	0.00	0.00E+00	0.00	0.00	0.00	0.00	0.000	65,167.90	8,153.19	4,510.97
9	0.01	4.50	0.00	0.00E+00	0.00	0.00	0.00	0.00	0.000	65,162.38	8,152.64	4,510.72
10	0.01	4.50	0.00	0.00E+00	0.00	0.00	0.00	0.00	0.000	65,156.86	8,152.08	4,510.47
11	0.01	4.50	0.00	0.00E+00	0.00	0.00	0.00	0.00	0.000	65,151.34	8,151.52	4,510.23
12	118.00	4.50	0.00	0.00E+00	444.00	552.19	34.00	0.00	-0.613	0.00	2,661.41	2,661.41

Preliminary Est. Design Loads

Estimated Weight (lbs) 125% Est. 4,281.42

Estimated Design Torque (in*lbs) 140,055.56

Estimated Design Bending (in*lbs) 195,586.53

Preliminary Est. Design Weight

Shaft 648.13

Gear Drive 1,455.00

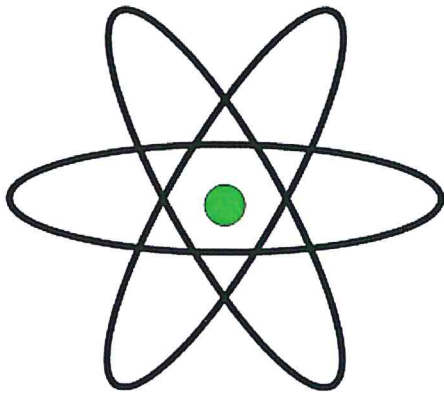
Impeller 444.00

Motor 778.00

Mount 100.00

Total 3,425.13

lst. HP	serv fact	imp hp	shaft rpm	imp dia"	imp force
40	3	34	78	45	552,1368



***Fusion Fluid
Equipment_{LLC}***



O&M

**Operation and Maintenance Manual for Fusion
“Flow” series TOP ENTRY open tank mixers
Models FG-M, FR-M, & FW-M**

Contents

Safety..... 1

Inspection.....2

Storage.....2

Installation.....2-6

Maintenance.....6-7

Warranty.....8

Contact Info.....8

Section 1 – Safety

Safety should be one's main priority when working with industrial mixing equipment. There are many potential hazards associated with rotating equipment. The precautions mentioned in this manual are not intended to cover all hazards in a plant or on this equipment. Using safety mechanisms requires the constant attention of anyone in the vicinity of this or any other equipment. Please use common sense and caution. DO NOT attempt to operate this or any equipment if it does not appear safe. In addition, please use all necessary personal safety devices as well as mechanical safety devices when operating and or maintaining this or any equipment.



PLEASE READ BEFORE INSTALLATION / OPERATION



- Read this manual completely before operating the mixer. In addition to this manual, please read manuals for all components. A manual for you motor and gearbox will be available on-line from the manufacture of each component. Nameplates are intentionally left on the units so you can find this information. If you have difficulty locating this information, contact Fusion Fluid Equipment and we will find it for you.
- Installation, operation, and maintenance should only be performed by qualified personnel.
- Check all safety devices prior to starting the equipment. Do not operate the mixer if those devices are not present. Do not operate the mixer if the devices are not functional.
- BEFORE doing any maintenance on the mixer, disconnect all power. Be sure to follow correct lock out – tag out procedure before proceeding.
- DO NOT touch any rotating parts under any circumstances. Keep all guards and safety devices installed.
- Maintain the equipment on a regular basis. Unmaintained equipment can become unsafe.
- Develop a safety checklist to ensure that proper caution is used during operation and maintenance
- Do not modify your equipment without consulting the factory. Modification of the equipment may cause the equipment to become unstable. In addition, it may decrease the performance or mechanical stability.



Caution: There are several pinch points on these mixers



Section 2 - Inspection

Inspection should be done upon receipt of the mixer as well as before installation and during maintenance.

1. Check to make sure that all components were received. Fusion Side Entry mixers may be shipped in multiple packages. Typically your shipment should contain:
 - Mixer drive
 - Gearbox
 - Shaft
 - Impeller hub and blades
2. Check to see if the equipment is damaged. Check the shaft to see if it appears bent. Check the impellers to see if the blades appear abnormally bent. All of the blades should be symmetrical. The equipment should not appear damaged in any way.
3. Inspect the bore in the gearbox if shaft is shipped loose. It should be free of galling or burs. Inspect couplings and hubs to make sure they are free of dings and dents on mating faces. Check the mixer shaft to assure that it is straight and free from galling on mating surfaces. If you proceed to install the mixer shaft with these defects, the shaft may bind or vibrate and cause further damage, which may not be covered under warranty. It may also be unsafe to operate.

Section 3 – Storage

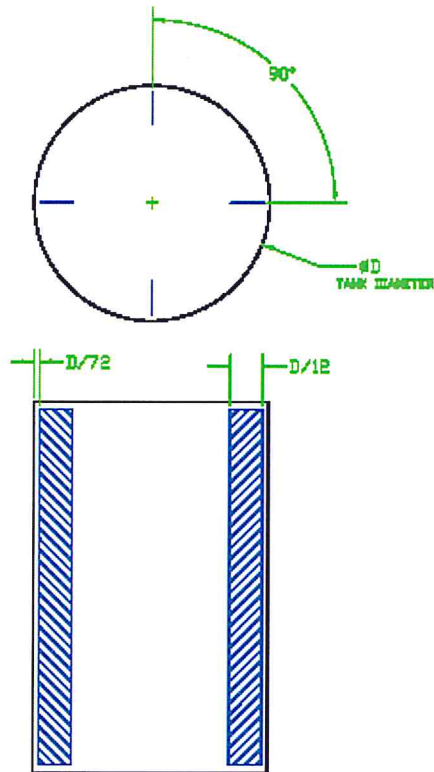
Mixer should be stored into a cool, dry environment. Humid conditions can damage the motor windings, output bearings, and lubrication. All of these factors may deteriorate your mixer. Do not store the mixer near vibrating machinery. For long storage periods, rotate the mixer shaft once a month and change gearbox lubricant before installation.

Section 4 – Installation

Before any actual installation, come up with a plan for mounting location. Mounting the mixer on an angle according to the figure below will result in the best mixing performance. Also, be sure that your tank is strong enough to handle the weight and dynamic loads from the mixer. Please reference the approval drawing for these loads. If you do not have them, contact your Fusion rep to obtain them. Fusion is not responsible for damage done to the tank or injury to persons due to inadequate tank

design. Be sure that the anchor supports for the tie rods are sturdy enough to hold the weight of the mixer. **The flange alone is not enough to support this mixer!** If the mixer is supplied with a support leg, be sure that there is an adequate structural pad underneath that will not settle.

Mounting Guideline For TOP Entry Mixers **On Center with Baffles – THE BEST WAY!**



MIXER BAFFLE GUIDELINES

1. MOUNT MIXER VERTICAL – ON CENTER
2. BAFFLE WIDTH 1/12 TANK DIAMETER
3. QTY 3 BAFFLES AT 120° OR QTY 4 BAFFLES AT 90° APART
4. FOR OPTIMAL PERFORMANCE, BAFFLES SHOULD BE 1/72 TANK DIAMETER OFF THE SIDE WALL. THIS PROMOTES MINIMAL DEAD ZONES. NOT REQUIRED.

–IT IS UP TO THE TANK MFG TO DECIDE BAFFLE THICKNESS AND ANCHORING OF BAFFLES.

–IF BAFFLES ARE NOT AN OPTION, PLEASE ANGLE MOUNT OR VERTICAL OFFSET MOUNT

Other Mounting Options:

PLEASE BE SURE THAT YOUR MIXER IS DESIGNED FOR THIS CONDITION!

1. Off center – vertical: Mixers can be mounted in a vertical position 1/3 to 1/2 X tank radius off center. Be sure that your custom drawing notes this. Mixers must be specifically designed for this mounting condition. If your mixer was designed to only run on-center with baffles, then mixer failure may occur. Please obtain verification from Fusion that this mounting position is acceptable. In addition, make sure that the impellers have AT LEAST 4" of clearance from the tank side wall during rotation.

2. Angle Offset: Angle offsetting the mixer is another acceptable mounting position to promote proper performance. There are a few steps that MUST be taken to ensure proper performance. As with "vertical offset" mounting, the mixer must be designed to handle the condition. In addition, there are only a few ways to orient the gearbox so that gear lubrication is not compromised. Please call Fusion to get a 3D layout of your application done in order to properly angle mount your mixer.



Caution: There are several pinch points on the mixers



2. Mount the mixer to the desired location. Be careful, as there are several pinch points in the mounting hardware, couplings, hubs, etc. Once the desired position and mounting angles are achieved, tighten all of the hardware to the torque specifications in the table below. THERE IS ONE EXCEPTION. The socket head cap screw that holds the mixer shaft in the gearbox should not exceed half of the full rated torque. Otherwise, please adhere to the specifications below:

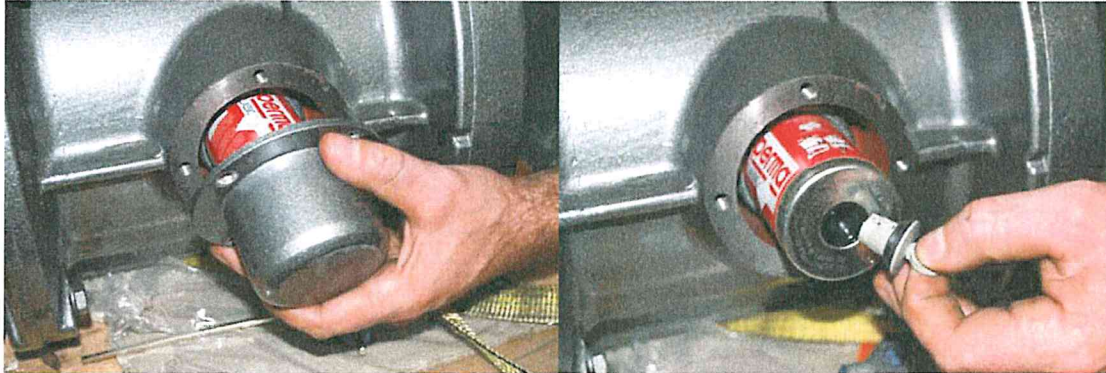
Hardware Size	Grade 2 and 300 series stainless hardware	High strength grades 5 & 8
1/4"	5 ft*lbs	7 ft*lbs
5/16"	9 ft*lbs	14 ft*lbs
3/8"	15 ft*lbs	25 ft*lbs
1/2"	37 ft*lbs	60 ft*lbs
9/16"	53 ft*lbs	88 ft*lbs
5/8"	74 ft*lbs	120 ft*lbs
3/4"	120 ft*lbs	200 ft*lbs
7/8"	190 ft*lbs	302 ft*lbs
1"	282 ft*lbs	466 ft*lbs

3. Mixer shaft installation: To avoid binding in the future and ease of installation, apply process compatible grease or anti-seize compound on the end portion of the mixer shaft, as well as the keyway. Be sure to slide the shaft into the bore slowly and gently. The tolerances are very tight to keep concentricity and limit vibration. If the shaft is forced, it will gall and the mixer will be damaged. Light tapping from a plastic mallet may be required for large diameter shafts to slide the shaft into the hollow bore.

Slide shaft into bore until it stops against the snap ring. The snap ring is there to locate the position of the shaft. Once the shaft is in place, install the cap plate and tighten the supplied socket head cap screw to ~half of the full torque value. See the figure below for more detail:



4. Pre-Lubrication: Make sure that all grease fittings are lubricated on the motor, gearbox, and pedestal. On larger units, the input bearing on the gearbox comes with an automatic lubricator, which needs to be activated before use. See the figures below for more detail:



A. Remove protective cap



B. Activate lubricator per instructions inside

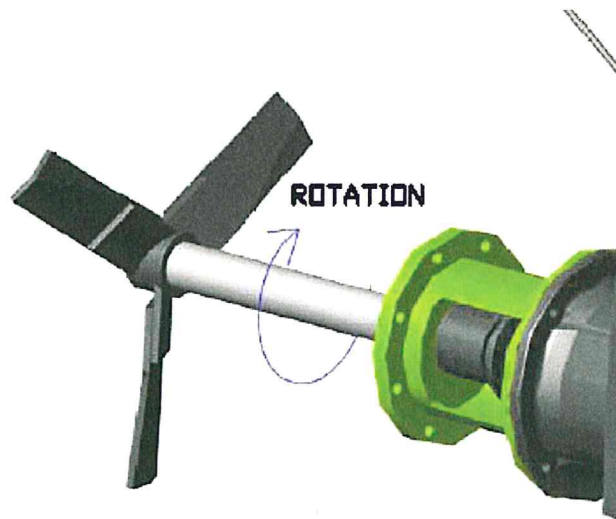
5. Impeller installation: Install the impeller hub on the shaft. If the hub “ears” have a taper on them, the widest part of the ear should face away from the gearbox. Tighten the set screw on the hub to the proper torque value. Install the blades on the hub. The blades should be bolted on the face of the “ears” furthest away from the gearbox. Tighten the hardware to the specified torque values. Please see the picture below for orientation:



6. Electric Components: All wiring of motors, VFD's, panels, and controls should be done according to local code. If any wiring was provided by Fusion, please have your electrical inspector inspect all connections, conductors, etc. to verify that the installation is acceptable. Unless specifically requested, pre wiring of components may not be UL approved. Call your local inspector!

Electric motors: Motors provided are specific to each application. You will be able to locate the motor model number and MFG on the tag. You can find performance data and operating limitations online. Otherwise, contact Fusion, and we will provide this information to you.

 **NOTE: Wire so impeller rotates clockwise when viewed from behind the gearbox** 



Section 5 – Maintenance





 **Warning: Turn off power to the mixer before any maintenance** 

1. Lubrication is the most important key to prolonging the life of your mixer. Be sure to regularly grease all fittings on the mixer. Gearboxes units come pre-lubricated with ISO VG220 mineral based oil, which is good for temps from 20 deg F to 140 deg F or Mobile SHC630 (-30F to 176F). Periodically remove the vent plug to check for water contamination in the oil. Change the oil if there is water contamination. Below is a list of recommended oils for this unit:

STANDARD OIL – ISO VG220

Ambient Temperature	Formulation
20 to 104°F (-5 to 40°C)	Mineral

TYPICAL OILS

Viscosity ISO NLGI	Formulation	Service Temperature Range						
VG 460	Conventional Mineral	20°C to +50°C 68°F to +122°F	Mobilgear 634	Omala 460	7EP	Klüberoil GEM 1-460	Energol GR-XP 460	Tribol 1100/460
	Synthetic PAO	-30°C to +80°C -22°F to +176°F	Mobil SHC 634	Omala 460 HD	Isolube EP 460	Klübersynth EG 4-460	N/A	Tribol 1510/460
VG 320	Conventional Mineral	0°C to +30°C 32°F to +86°F	Mobilgear 632	Omala 320	6EP	Klüberoil GEM 1-320	Energol GR-XP 320	Tribol 1100/320
	Synthetic PAO	-35°C to +80°C -31°F to +176°F	Mobil SHC 632	Omala 320 HD	Isolube EP 460	Klübersynth EG 4-320	N/A	Tribol 1510/320
VG 220	Conventional Mineral	-5°C to +40°C +20°F to +104°F	Mobilgear 630	Omala 220	5EP	Klüberoil GEM 1-220	Energol GR-XP 220	Tribol 1100/220
	Synthetic PAO	-34°C to +80°C -30°F to +176°F	Mobil SHC 630	Omala 220 HD	Isolube EP 220	Klübersynth EG 4-220	N/A	Tribol 1510/220
VG 150 & VG 100	Conventional Mineral	-15°C to +25°C 5°F to +77°F	Mobilgear 629	Omala 100	4EP	Klüberoil GEM 1-150	Energol GR-XP 100	Tribol 1100/100
	Synthetic PAO	-37°C to +10°C -35°F to +50°F	Mobil SHC 629	Omala 150 HD	Isolube EP 150	Klübersynth EG 4-150	N/A	N/A
VG 68	Conventional Mineral	-15°C to +25°C 5°F to +77°F	Mobilgear 626	Omala 68	2EP	Klüberoil GEM 1-68	Energol GR-XP 68	Tribol 1100/68
	Synthetic PAO	-40°C to +10°C -40°F to +50°F	Mobil SHC 626	N/A	Isolube EP 68	N/A	N/A	N/A
VG 32	Synthetic PAO	-40°C to +10°C -40°F to +50°F	Mobil SHC 624	N/A	N/A	Klüber-Summit HySyn FG-32	N/A	N/A

PAO = Poly Alpha Olefin

SPECIAL PURPOSE LUBRICANTS

Ambient Temperature	Formulation	Manufacturer	Oil Brand Name
20 to 104°F (-5 to 40°C)	Food Grade Oil - Synthetic	Chevron	FM ISO 220
20 to 104°F (-5 to 40°C)	Food Grade Oil - Synthetic	OilJAX	Magnaplate 85W140-FG
5 to 125°F (-20 to 50°C)	Fluid Grease	Mobil	Mobilux EP023
-30 to 140°F (-35 to 60°C)	Fluid Grease - Synthetic	Mobil	Mobilith SHC 007
-30 to 140°F (-35 to 60°C)	Fluid Grease - Synthetic	Shell	Albida LC

STANDARD BEARING GREASE – NLGI 2EP Lithium

Ambient Temperature	Formulation
-20 to 140°F (-30 to 60°C)	Mineral

OPTIONAL BEARING GREASES

Ambient Temperature	Formulation	Manufacturer	Grease Brand Name
-40 to 230°F (-40 to 110°C)	Synthetic	Shell	Aeroshell 6
-40 to 230°F (-40 to 110°C)	Food Grade - Synthetic	Lubriplate	SFL1

- For harsh, washdown, or wet environments, special attention is required. These units are provided with additional o-rings and lip seals to prevent contamination from entering or leaving the drive. High pressure washing can allow water to enter through the seals. Check for water contamination as described in step 1 and also regularly remove motor drain plugs to remove any water. Water contamination will greatly reduce the life of your mixer.

Section 6 – Warranty and Contact

Warranty:

All equipment or parts covered by this manual are guaranteed free from defective material and workmanship for a period of twelve (12) months from date of shipment, under normal use and service. This warranty does not cover failure of normal wear parts unless the failure of such part has resulted from defective material and workmanship. Fusion Fluid Equipment LLC will repair or replace, at its option, any equipment which has been found to be defective and is within the warranty period, provided that the equipment is shipped, with previous factory authorization, freight prepaid, to Fusion's plant in Whitehall, Michigan, USA. All return shipments are made FOB Fusion's factory. Fusion Fluid Equipment LLC is not responsible for removal, installation, or any other incidental expenses incurred in shipping the equipment to or from Fusion Fluid Equipment LLC. In the case of components purchased by Fusion Fluid Equipment LLC, and incorporated in the equipment, the component manufacturer's guarantee shall apply. NOTE: Any modifications or corrective work done to the equipment which were not specifically authorized in writing by Fusion Fluid Equipment LLC shall void this limited warranty, and Fusion Fluid Equipment LLC shall accept no liability for any of the corrective work or expenditures which were conducted without their prior, written authorization. Fusion Fluid Equipment LLC shall not be held liable for any further cost, expense, or labor to replace equipment or replaceable parts, or indirect or consequential damages.

With the exceptions of the limited warranty set out above, there are no other understandings, agreements, representatives, or warranties implied (including any regarding the merchant-ability or fitness for a particular purpose), not specified herein, respecting this agreement or equipment, hereunder. This contract states the entire obligation of Fusion Fluid Equipment LLC in connection with this transaction.

Contact:

For questions, concerns, or comments, we strongly recommend contacting the sales representative that supplied your equipment. Otherwise you may email us or visit our website. We typically respond same day.

Website:

www.fusionfluid.com

Email:

info@fusionfluid.com

Thank you for choosing Fusion. We look forward to a long standing relationship with you, providing high quality custom equipment!



Thomas Pump & Machinery

Product Line Sheet

We manufacture, sell, package and service:

1. **"GTO" high pressure pitot-tube pump** www.gtorhino.com
Chemical and Petro-Chemical boiler feed, Carbon black feed stock, Power generation, Paper mills (trim squirt & showers), Steel mills – de-scaling, Reverse Osmosis in plants and offshore, Poultry & Food Processing plants (central cleaning systems), Environmental waste disposal, Sanitation cleaning, Truck cleaning facilities, Salt water injection.
2. **"Gator Prime" self-priming centrifugal** www.gatorprime.com
Waste water, Pulp and paper, Food and beverage, Contractor de-watering, Self priming trash pump.
3. **"Thom-Vac" vacuum pump**

We sell, package and service the following:

Centrifugal Pumps

1. Ampco - food processing 3A/CIP
2. Barnes - submersible, sewage, grinder
3. Berkeley - end suction
4. Blackmer - System ONE (heavy duty ANSI)
5. Burks - close coupled, regenerative turbine, sump
6. Cornell - non-clog, redi-prime
7. Crane Deming - end suction, horizontal split case, vertical inline, submersible, etc.
8. D-Line - ANSI (copy of Durco)
9. Griswold - ANSI
10. Grundfos - vertical multistage
11. Hidrostal - fish pump
12. March - mag-drive
13. M-Pumps - mag-drive
14. Mody - submersible
15. MTH - regenerative turbine
16. Oberdorfer - marine, beverage
17. Price – close coupled
18. Starite - close coupled
19. Thom-Jet - horizontal multistage
20. Warson - vertical turbine
21. Weinman - horizontal split case, back pull-out



Thomas Pump & Machinery

Positive Displacement Pumps

1. Allflo / Pumpac - double diaphragm
2. Ampco - rotary lobe (copy of Waukesha Cherry Burrell)
3. Blackmer - sliding vane
4. Cascade - Axial & Mixed Flow
5. Continental - progressing cavity
6. Hydra-Cell - seal-less, high pressure
7. Kerr - triplex plunger
8. Liberty Process - progressing cavity
9. Sentinel - gear pump (like Viking)
10. Warren Rupp – double diaphragm (Marathon, same as Sandpiper)
11. Wright – rotary lobe

Reciprocating Gas Compressors

1. Blackmer

Drum Pumps

1. Flux
2. Lutz

Electric Motors

1. Baldor
2. WEG
3. TechTop
4. US - NIDEC
5. Worldwide

Gear Reducers

1. Blackmer
2. Nord
3. SEW Eurodrive
4. Technodrive