



**Bid Number 50-00138891**

**Labor, Materials and Equipment Necessary to Provide and Install New  
Pumps for the Department of General Services**

**BID DUE: July 11, 2022 AT 11:00 AM**

**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 on the Purchasing Department's eProcurement site, [www.jeffparishbids.net](http://www.jeffparishbids.net), by the bid due date and time. Late bids will not be accepted.**

**Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 4400  
Gretna, LA 70053  
Buyer Name: Mark Buttery  
Buyer Email: [MButtery@jeffparish.net](mailto:MButtery@jeffparish.net)  
Buyer Phone: 504-364-2810**

DATE: 6/23/2022

INVITATION TO BID  
THIS IS NOT AN ORDER

Page: 5

BID NO.: 50-00138891

**JEFFERSON PARISH**

PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETN, LA. 70054-0009  
504-364-2678

VENDOR:

BUYER: MBUTTERY

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order 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 at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work to be done in workman-like manner, according to standard practices. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

30 DAYS

INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK

40 DAYS

INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK

60 DAYS

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 by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) 08499

|  |                                |
|--|--------------------------------|
| <b>*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***</b> |                                |
| FIRM NAME: <u>PRECISION P.S.I. LLC</u>                 |                                |
| SIGNATURE:<br>(Must be signed here)                    | TITLE: <u>MANAGING PARTNER</u> |
| PRINT OR TYPE NAME: <u>PATRICK SANDERS JR.</u>         |                                |
| ADDRESS: <u>2318 KINGSTON STREET</u>                   |                                |
| CITY, STATE: <u>Kenner, LA</u>                         | ZIP: <u>70062</u>              |
| TELEPHONE: <u>(504) 469-8481</u>                       | FAX: <u>(504) 469-8482</u>     |
| EMAIL ADDRESS: <u>ACCOUNTING@PRECISION-PSI.COM</u>     |                                |

TOTAL PRICE OF ALL BID ITEMS: \$ 14,796.75

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00138891

SEALED BID

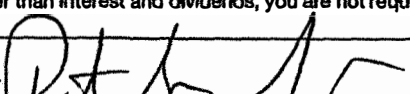
| ITEM<br>NUMBER | QUANTITY | U/M | DESCRIPTION OF ARTICLES  | UNIT PRICE<br>QUOTED | TOTALS     |
|----------------|----------|-----|--|----------------------|------------|
| 1              | 1.00     | JOB | Labor, Materials and Equipment Necessary<br>to Provide and Install New Pumps for the<br>Department of General Services   | #14,796.75           | #14,796.75 |
|                |          |     | <p>0010 - PROVIDE ALL LABOR, MATERIALS, AND<br/>EQUIPMENT NECESSARY TO FURNISH &amp; INSTALL<br/>TWO (2) NEW 2HP SUBMERSIBLE GRINDER<br/>PUMPS, INSTALL PUMPS ON EXISTING GUIDE<br/>RAIL BRACKETS. FURNISH AND INSTALL ONE<br/>(1) DUPLEX CONTROL PANEL WITH FLOATS AND<br/>FLOAT BRACKET. TEST RUN THE SYSTEM FOR<br/>NORMAL OPERATION.</p> <p>NEEDED TO FURNISH AND INSTALL NEW LIFT<br/>STATION PUMPS AND CONTROLLER AT<br/>128 WRIGHT AVENUE<br/>GRETN, LA 70053</p> <p>REF NO. 2977 22<br/>ORDERED BY/FOR: PEART/KENNEDY</p> <p>SITE VISIT CONTACT:<br/>KRAIG KENNEDY<br/>(504)364-2692<br/>KKENNEDY@JEFFPARISH.NET</p> |                      | #14,796.75 |

## Request for Taxpayer Identification Number and Certification

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

|   |  |   |
|---|--|---|
| Print or type<br>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.<br><b>Precision PSI LLC</b>  |   |
|   | 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:<br><input type="checkbox"/> Individual/sole proprietor or single-member LLC<br><input checked="" type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ <b>S</b><br>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.<br><input type="checkbox"/> Other (see instructions) ▶ |   |
|   | 4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):<br>Exempt payee code (if any) _____<br>Exemption from FATCA reporting code (if any) _____<br>(Applies to accounts maintained outside the U.S.)   |   |
|   | 5 Address (number, street, and apt. or suite no.)<br><b>P O Box 640297</b>   | Requester's name and address (optional) |
|   | 6 City, state, and ZIP code<br><b>Kenner, Louisiana 70064</b>  |   |
|   | 7 List account number(s) here (optional)   |   |

|   |   |                        |  |   |   |   |   |   |   |   |   |  |  |  |  |   |  |  |  |   |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |   |   |   |   |   |   |   |   |
|---|---|------------------------|--|---|---|---|---|---|---|---|---|--|--|--|--|---|--|--|--|---|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|---|---|--|--|---|---|---|---|---|---|---|---|
| <b>Part I Taxpayer Identification Number (TIN)</b>  |   |                        |  |   |   |   |   |   |   |   |   |  |  |  |  |   |  |  |  |   |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |   |   |   |   |   |   |   |   |
| 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 <i>How to get a TIN</i> 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.   |   |                        |  |   |   |   |   |   |   |   |   |  |  |  |  |   |  |  |  |   |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |   |   |   |   |   |   |   |   |
| <table border="1"><tr><td colspan="10">Social security number</td></tr><tr><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td></tr><tr><td colspan="12">or</td></tr><tr><td colspan="12">Employer identification number</td></tr><tr><td>8</td><td>3</td><td></td><td></td><td>-</td><td>1</td><td>5</td><td>7</td><td>0</td><td>5</td><td>2</td><td>9</td></tr></table>                   |   | Social security number |  |   |   |   |   |   |   |   |   |  |  |  |  | - |  |  |  | - |  |  |  | or |  |  |  |  |  |  |  |  |  |  |  | Employer identification number |  |  |  |  |  |  |  |  |  |  |  | 8 | 3 |  |  | - | 1 | 5 | 7 | 0 | 5 | 2 | 9 |
| Social security number  |   |                        |  |   |   |   |   |   |   |   |   |  |  |  |  |   |  |  |  |   |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |   |   |   |   |   |   |   |   |
|   |   |                        |  | - |   |   |   | - |   |   |   |  |  |  |  |   |  |  |  |   |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |   |   |   |   |   |   |   |   |
| or  |   |                        |  |   |   |   |   |   |   |   |   |  |  |  |  |   |  |  |  |   |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |   |   |   |   |   |   |   |   |
| Employer identification number  |   |                        |  |   |   |   |   |   |   |   |   |  |  |  |  |   |  |  |  |   |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |   |   |   |   |   |   |   |   |
| 8   | 3 |                        |  | - | 1 | 5 | 7 | 0 | 5 | 2 | 9 |  |  |  |  |   |  |  |  |   |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |   |   |   |   |   |   |   |   |

|   |  |
|---|--|
| <b>Part II Certification</b>  |  |
| 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); and  |  |
| 4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.   |  |
| <b>Certification instructions.</b> 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 ▶ <b>01.03.2022</b>   |

### 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/irw9](http://www.irs.gov/irw9).

### 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), 1099-T (tuition)
- Form 1089-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:

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, and
4. 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.





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

07/11/2022

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 have ADDITIONAL INSURED provisions or 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).

| <b>PRODUCER</b><br>Eagan Insurance Agency, LLC<br>2629 N. Causeway Blvd.<br>P. O. Box 8590<br>Metairie LA 70002 | <b>CONTACT NAME:</b> Liz Asher, CIC<br><b>PHONE (A/C, No. Ext):</b> (504) 836-9600<br><b>FAX (A/C, No.):</b> (504) 836-9621<br><b>E-MAIL ADDRESS:</b> asherl@eaganins.com  |                               |  |        |            |                            |       |            |                       |       |            |                                   |       |            |  |  |            |  |  |            |  |  |
|---|--|-------------------------------|--|--------|------------|----------------------------|-------|------------|-----------------------|-------|------------|-----------------------------------|-------|------------|--|--|------------|--|--|------------|--|--|
| <b>INSURED</b><br>Precision PSI, LLC<br>2318 Kingston Street<br>Kenner LA 70062                                 | <table><tr><th colspan="2">INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr><tr><td>INSURER A:</td><td>United Fire Indemnity Comp</td><td>19496</td></tr><tr><td>INSURER B:</td><td>AIG Specialty Ins.Co.</td><td>26883</td></tr><tr><td>INSURER C:</td><td>Bridgefield Employers Ins Company</td><td>10701</td></tr><tr><td>INSURER D:</td><td></td><td></td></tr><tr><td>INSURER E:</td><td></td><td></td></tr><tr><td>INSURER F:</td><td></td><td></td></tr></table> | INSURER(S) AFFORDING COVERAGE |  | NAIC # | INSURER A: | United Fire Indemnity Comp | 19496 | INSURER B: | AIG Specialty Ins.Co. | 26883 | INSURER C: | Bridgefield Employers Ins Company | 10701 | INSURER D: |  |  | INSURER E: |  |  | INSURER F: |  |  |
| INSURER(S) AFFORDING COVERAGE   |  | NAIC #                        |  |        |            |                            |       |            |                       |       |            |                                   |       |            |  |  |            |  |  |            |  |  |
| INSURER A:  | United Fire Indemnity Comp   | 19496                         |  |        |            |                            |       |            |                       |       |            |                                   |       |            |  |  |            |  |  |            |  |  |
| INSURER B:  | AIG Specialty Ins.Co.  | 26883                         |  |        |            |                            |       |            |                       |       |            |                                   |       |            |  |  |            |  |  |            |  |  |
| INSURER C:  | Bridgefield Employers Ins Company  | 10701                         |  |        |            |                            |       |            |                       |       |            |                                   |       |            |  |  |            |  |  |            |  |  |
| INSURER D:  |  |                               |  |        |            |                            |       |            |                       |       |            |                                   |       |            |  |  |            |  |  |            |  |  |
| INSURER E:  |  |                               |  |        |            |                            |       |            |                       |       |            |                                   |       |            |  |  |            |  |  |            |  |  |
| INSURER F:  |  |                               |  |        |            |                            |       |            |                       |       |            |                                   |       |            |  |  |            |  |  |            |  |  |

**COVERAGES****CERTIFICATE NUMBER:** CL2231062226**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  | ADUL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS  |
|----------|--|-----------|----------|---------------|-------------------------|-------------------------|---|
| A        | <input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b><br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br><br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC<br>OTHER: |           |          | 85326698      | 03/12/2022              | 03/12/2023              | EACH OCCURRENCE \$ 1,000,000<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000<br>MED EXP (Any one person) \$ 10,000<br>PERSONAL & ADV INJURY \$ 1,000,000<br>GENERAL AGGREGATE \$ 2,000,000<br>PRODUCTS - COMP/OP AGG \$ 2,000,000 |
| A        | <b>AUTOMOBILE LIABILITY</b><br><input checked="" type="checkbox"/> ANY AUTO<br><input type="checkbox"/> OWNED AUTOS ONLY<br><input type="checkbox"/> HIRED AUTOS ONLY<br><input type="checkbox"/> SCHEDULED AUTOS<br><input type="checkbox"/> NON-OWNED AUTOS ONLY   |           |          | 85326698      | 03/12/2022              | 03/12/2023              | COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000<br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE (Per accident) \$   |
| B        | <input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b><br><input type="checkbox"/> EXCESS LIAB<br>DED   RETENTION \$   |           |          | BE067342030   | 03/12/2022              | 03/12/2023              | EACH OCCURRENCE \$ 5,000,000<br>AGGREGATE \$ 5,000,000  |
| C        | <b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b><br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory In NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below  | Y/N<br>Y  | N/A      | 0830-57096    | 03/12/2022              | 03/12/2023              | <input checked="" type="checkbox"/> PER STATUTE   OTH-ER<br>E.L. EACH ACCIDENT \$ 1,000,000<br>E.L. DISEASE - EA EMPLOYEE \$ 1,000,000<br>E.L. DISEASE - POLICY LIMIT \$ 1,000,000  |

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES** (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Certificate holder: Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council

Blanket additional insured applies with respect to General Liability and Auto Liability when required by written contract with the named insured. Blanket waiver of subrogation applies with respect to General Liability, Auto Liability and Workers Comp when required by written contract with the named insured.

**CERTIFICATE HOLDER****CANCELLATION**Jefferson Parish, its Districts, Depts & Agencies  
1221 Elmwood Pkwy Blvd

Jefferson

LA 70123

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

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FOR PUBLIC DISPLAY - NOT TRANSFERABLE

# Sales Tax Exemption Registration Certificate

Certificate # 2635604

PRECISION PSI LLC  
PO BOX 640297  
KENNER, LA 70064

Account # 11020673



## Location Address

2318 KINGSTON ST  
KENNER, LA

Business Activity Classification 811219  
Other Electronic and Precision Equipment Repair and Maintenance  
Other Services (except Public Administration)

## CERTIFICATE VALID DURING PERIOD

From 01-MAY-2021  
Thru 30-APR-2022

*Joseph P. Lopinto, III*

JOSEPH P. LOPINTO, III  
SHERIFF & TAX COLLECTOR

*Gregory A. Ruppert*

Gregory A. Ruppert, Director  
Bureau of Revenue and Taxation

## LOCATION AND BUSINESS ACTIVITY

VOID IF ALTERED

This certificate is valid only when the location address and business activity classification shown above are correct. If not correct, this certificate must be returned and a new certificate issued.

## CONDITIONS FOR USE

Under provisions of the Jefferson Parish Code of Ordinances, more particularly Chapter 35, Article II, Section 35-16, the dealer referenced hereinabove is registered with the Jefferson Parish Sheriff's Office, Bureau of Revenue and Taxation, for the collection and remittance of sales/use taxes levied by the Parish of Jefferson.

The person presenting this certificate acknowledges that he is an authorized representative of the dealer named herein and hereby certifies that the items purchased under the authority of this certificate are for resale in the regular course of business, as described in the business activity classification stated above and without intervening use, or for use as a recognizable, identifiable, and beneficial component part of a new article of tangible personal property produced for sale. The person presenting this certificate further understands that the dealer named herein, or he personally, may be held liable for taxes due and/or be subject to criminal prosecution resulting from the erroneous or fraudulent use of this certificate.

Dealers accepting this certificate, in good faith, on purchases it would reasonably assume qualify for the above referenced exemption, shall not be responsible for the collection of Jefferson Parish sales tax on the transactions for which this certificate has been submitted. Dealers should retain a copy of this certificate whenever making sales for which the exemption herein is claimed.

Please renew this certificate within 30 days of expiration via the online renewal process available through E-Services at [www.jpso.com](http://www.jpso.com).

*[Signature]*  
Signature of Authorized Agent

*4.22.2021*  
Date

ISSUED BY  
SHERIFF AND EX-OFFICIO TAX COLLECTOR-JEFFERSON PARISH, LOUISIANA



## State Licensing Board for Contractors

This is to Certify that:

PRECISION P.S.I., L.L.C.  
2318 Kingston Street  
Kenner, LA 70062

is duly licensed and entitled to practice the following classifications

SPECIALTY: INSTALLATION OF EQUIPMENT, MACHINERY AND ENGINES



Expiration Date: May 23, 2023

License No: 68499

Witness our hand and seal of the Board dated,  
Baton Rouge, LA 24th day of May 2020

Director

Chairman

Treasurer

This License Is Not Transferrable



**R. Kyle Ardoin**  
SECRETARY OF STATE

*As Secretary of State of the State of Louisiana I do hereby Certify that*

**PRECISION P.S.I., L.L.C.**

A limited liability company domiciled in METAIRIE, LOUISIANA,

Filed charter and qualified to do business in this State on July 31, 2018,

I further certify that the records of this Office indicate the company has paid all fees due the Secretary of State, and so far as the Office of the Secretary of State is concerned, is in good standing and is authorized to do business in this State.

I further certify that this certificate is not intended to reflect the financial condition of this company since this information is not available from the records of this Office.

In testimony whereof, I have hereunto set my hand and caused the Seal of my Office to be affixed at the City of Baton Rouge on,

April 8, 2019



*R. Kyle Ardoin*

*Secretary of State*

Web 43150735K

Certificate ID: 11064128#DF062

To validate this certificate, visit the following web site, go to Business Services, Search for Louisiana Business Filings, Validate a Certificate, then follow the instructions displayed.  
[www.sos.la.gov](http://www.sos.la.gov)



**City of Kenner**

1801 Williams Blvd  
Kenner, LA 70062

PRECISION P.S.I.  
2318 KINGSTON STREET  
KENNER, LA 70062

**\*\* NOTICE \*\***

This license becomes null & void if ownership, business name or address is changed. Licensee must apply within 10 days of such change for transfer. Fee will apply. All applicable building & zoning regulations pertaining to business location must be followed.

PRECISION P.S.I., LLC  
2318 KINGSTON STREET  
KENNER, LA 70062

**2022**

**Business License ID**

27220

**Type**

LIMITED LIABILITY COMPANY  
INDUSTRIAL EQUIP SVC & SALES

**Business  
License**

**Number**

18016

**Issued**

03/08/2022

**Valid thru**

12/31/2022

**\*\*\* POST THIS LICENSE IN A CONSPICUOUS PLACE \*\*\***



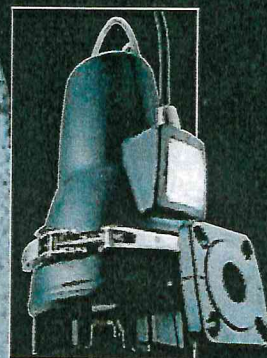
GRUNDFOS **SEG RANGE**

Grinder pumps 2-5.5 Hp

## **THE SEG RANGE:**

BUILT TOUGH AND VERSATILE FOR YOUR NEEDS

Grinder pumps for municipal and commercial sewage transfer



be  
think  
innovate

**GRUNDFOS**



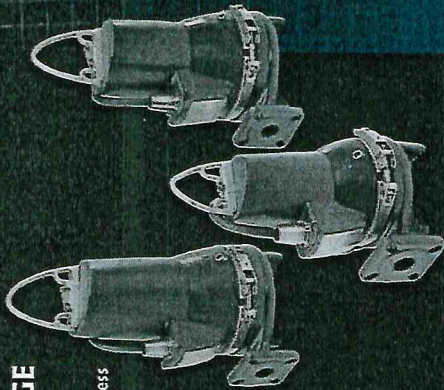
## THE PERFECT PUMP FOR SEWAGE AND EFFLUENT TRANSFER

Designed for dependability, efficiency and cost-effectiveness

The SEG range of grinder pumps from Grundfos is specifically designed for pumping effluent and untreated sewage in small communities or sparsely populated areas with no sewer systems or where gravitation systems are unsuitable.

Pressurized systems are the perfect choice for transfer of effluent and domestic sewage, and the SEG range combines cost-effectiveness with maximum protection for the environment by facilitating the use of smaller pressure pipes for minimal investment costs.

The SEG range is designed to reduce energy consumption and to keep downtime costs to a minimum, while maintaining peak performance throughout the lifetime of the system.



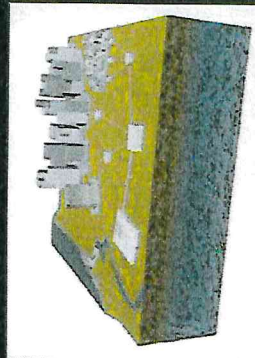
## PRESSURIZED SYSTEMS FOR SEWAGE TRANSFER

Ideal for sparsely populated areas where gravity sewage systems are not available

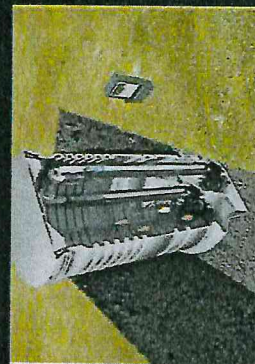
- The SEG range can be installed on two different types of auto-coupling systems. Alternatively, the SEG range is available as freestanding pumps.
- Small towns
- Farm areas and areas of difficult topography, such as rocky terrain
- Commercial Building Services
- Municipalities
- Areas with high groundwater
- Industry

The SEG pumps are designed for use in:

- Small towns
- Farm areas and areas of difficult topography, such as rocky terrain



SEG pumps can be used for alternating or continuous operation throughout the water cycle. See examples online.



Installation options include submerged installation on auto-coupling with gulleralls.

## SEG PUMP FEATURES

— and what they do for you



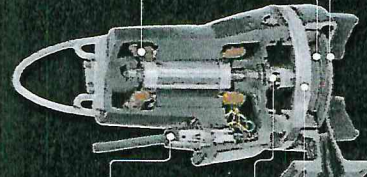
**Watertight cable plug**  
The patented cable strain-relief cable connection is hermetically sealed, ensuring that liquid cannot seep into the motor.



**Double mechanical shaft seal**  
Efficient single-unit cartridge shaft seal system ensures longer operation time with less downtime and is easy to replace in the field, without the need for special tools.



**Stainless steel clamp**  
Unique clamp assembly system with safety lock for quick and easy disassembly of pump from motor unit, where no tools are required.



**Motor protection**  
Built-in thermal switches in the motor windings provide protection against overheating, and this ensures a long life time.

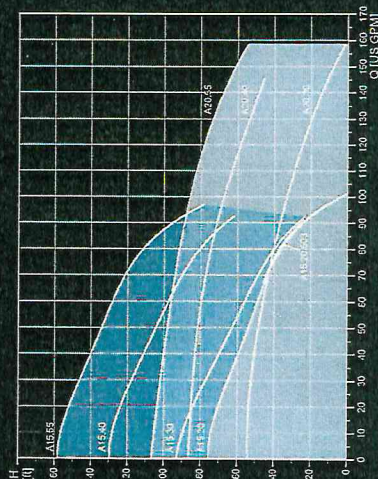


**Efficient grinding system**  
Patented grinder system ensures extremely high efficiency and reliable operation with quick and easy dismantling for replacement of wear parts. No special tools are required.



**Smart trimmer for adjustment**  
Patented smart trim system enables quick and easy impeller clearance adjustment in order to maintain peak performance and this can be done without dismantling the pump. No special tools are required.

## Performance overview





## Grundfos Water Utility — optimized water solutions

Grundfos Water Utility is a full-range supplier of intelligent pumps and systems for all water supply and wastewater applications. We optimize pumping solutions to provide maximum reliability and resource efficiency for our customers. Our solutions are made with tried and tested technology and our expertise is part of any delivery.

We offer solutions and expertise within the following applications:

- Raw Water Intake
- Drinking Water Treatment
- Water Distribution
- Wastewater Transport and Flood Control
- Wastewater Treatment

Our products are the result of decades of engineering expertise. Supported by a worldwide service network. Visit [www.grundfos.com/water-utility](http://www.grundfos.com/water-utility) for more.

LWU-SL-00710-13 (US)

**GRUNDFOS Chicago**  
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Aurora, IL 60504  
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2941 Brighton Road  
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Boulevard TLC No. 15  
Parque Industrial Stiva Aeropuerto  
C.P. 66600 Apodaca, N.L. Mexico  
Phone: 011-52-81-8144 4000  
Fax: 011-52-81-8144 4010

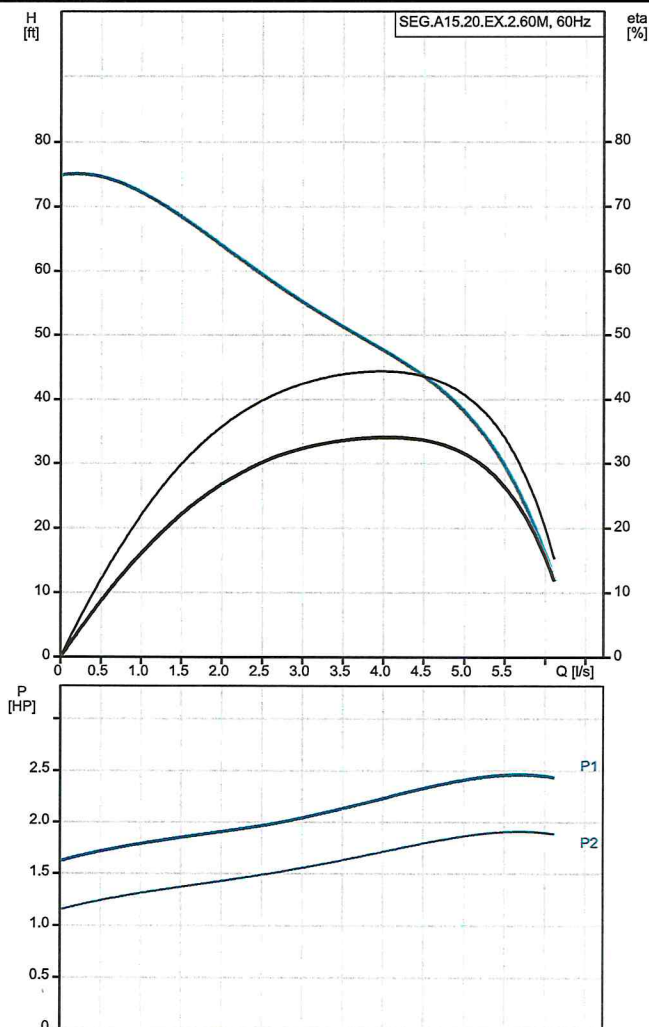
[www.grundfos.us](http://www.grundfos.us)

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**GRUNDFOS** 



| Description                    | Value                 |
|--------------------------------|-----------------------|
| <b>General information:</b>    |                       |
| Product name:                  | SEG.A15.20.EX.2.60M   |
| Product No.:                   | 98280852              |
| EAN:                           | 5711492381236         |
| <b>Technical:</b>              |                       |
| Max flow:                      | 6.11 l/s              |
| Max flow:                      | 6.11 l/s              |
| Head max:                      | 74.81 ft              |
| Type of impeller:              | Grinder System        |
| Primary shaft seal:            | SIC/SIC               |
| Approvals on nameplate:        | CSA, FM               |
| Curve tolerance:               | ANSI/HI11.6:2017 3B2  |
| <b>Materials:</b>              |                       |
| Pump housing:                  | Cast iron             |
| Pump housing:                  | EN1561 EN-GJL-200     |
| Pump housing:                  | ASTM ASTM A48 30B     |
| Impeller:                      | Cast iron             |
| Impeller:                      | EN1561 EN-GJL-200     |
| Impeller:                      | ASTM ASTM A48 30B     |
| <b>Installation:</b>           |                       |
| t max amb:                     | 104 °F                |
| Maximum operating pressure:    | 87.02 psi             |
| Flange standard:               | ANSI                  |
| Pipework connection:           | 1 1/2" /2"            |
| Size of outlet port:           | 1 1/2 inch            |
| Pressure stage:                | PN 10                 |
| Maximum installation depth:    | 32.8 ft               |
| Inst dry/wet:                  | SUBMERGED             |
| Auto-coupling:                 | 98245788              |
| <b>Liquid:</b>                 |                       |
| Liquid temperature range:      | 32 .. 104 °F          |
| Density:                       | 62.29 lb/ft³          |
| <b>Electrical data:</b>        |                       |
| Power input - P1:              | 1.9 kW                |
| Rated power - P2:              | 2 HP                  |
| Main frequency:                | 60 Hz                 |
| Rated voltage:                 | 3 x 200-230 V         |
| Voltage tolerance:             | +6/-10 %              |
| Max starts per. hour:          | 30                    |
| Rated current:                 | 8-7 A                 |
| Starting current:              | 40 A                  |
| Rated current at no load:      | 4.1 A                 |
| Cos phi - power factor:        | 0.793                 |
| Cos phi - p.f. at 3/4 load:    | 0.692                 |
| Cos phi - p.f. at 1/2 load:    | 0.553                 |
| Rated speed:                   | 3422 rpm              |
| Moment of inertia:             | 0.047 lb ft²          |
| Motor efficiency at full load: | 78 %                  |
| Motor efficiency at 3/4 load:  | 76 %                  |
| Motor efficiency at 1/2 load:  | 69 %                  |
| Number of poles:               | 2                     |
| Start. method:                 | direct-on-line        |
| Enclosure class (IEC 34-5):    | IP68                  |
| Insulation class (IEC 85):     | F                     |
| Explosion proof:               | yes                   |
| Built-in motor protection:     | THERMAL SWITCH        |
| Thermal protec:                | external              |
| Length of cable:               | 33 ft                 |
| Cable type:                    | SEOOW 600V            |
| Type of cable plug:            | No plug               |
| <b>Controls:</b>               |                       |
| Control box:                   | not included          |
| Additional I/O:                | External              |
| Moisture sensor:               | with moisture sensors |
| AUTOADAPT:                     | NO                    |





Company name:

Created by:

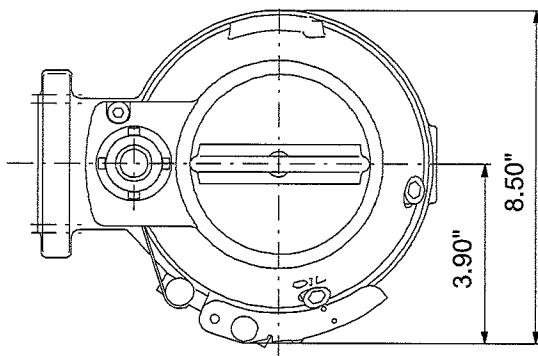
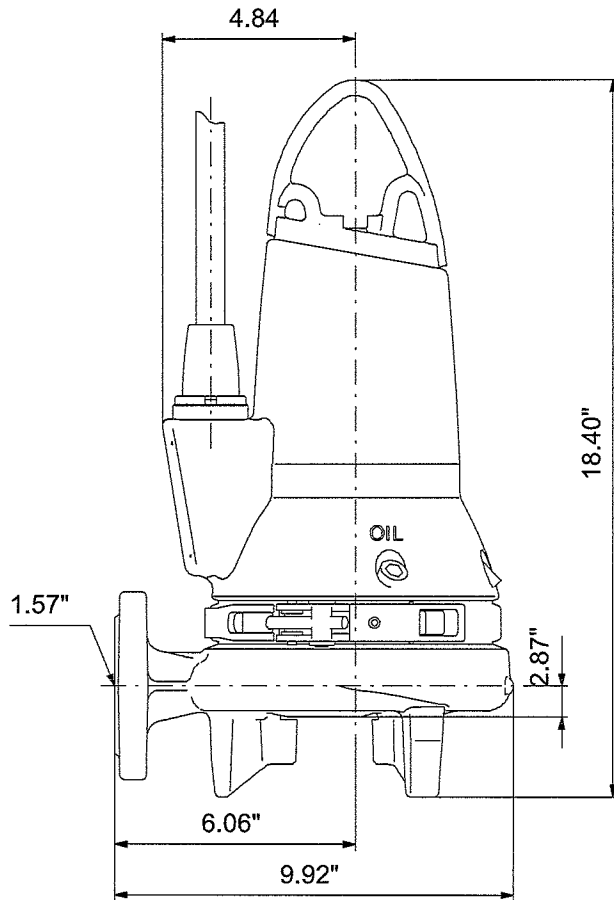
Phone:

Date:

5/6/2022

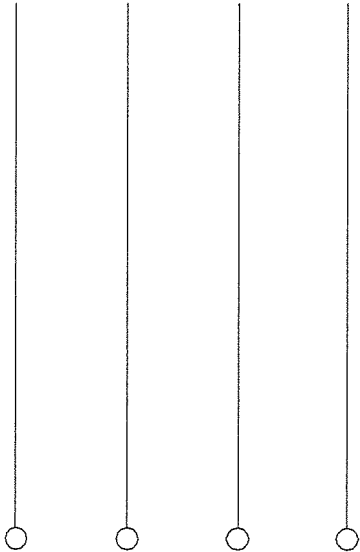
| Description        | Value        |
|--------------------|--------------|
| Others:            |              |
| Net weight:        | 101 lb       |
| Sales region:      | Namreg       |
| Country of origin: | HU           |
| Custom tariff no.: | 8413.70.2004 |

98280852 SEG.A15.20.EX.2.60M 60 Hz

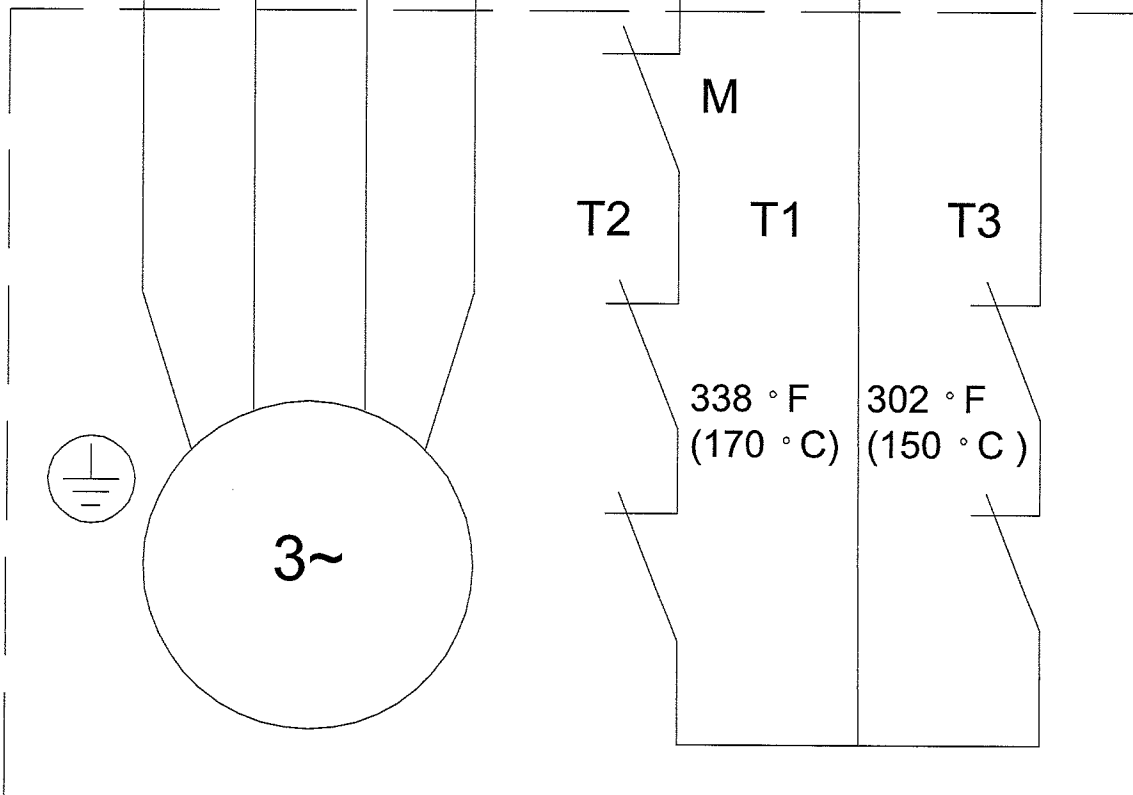


**98280852 SEG.A15.20.EX.2.60M 60 Hz**

PE L1 L2 L3



PE 1 2 3 4 5 6





# CONTROLLING YOUR PUMPS HAS NEVER BEEN EASIER

SIMPLEX AND DUPLEX CONTROL PANELS FOR  
EMPTYING AND FILLING APPLICATIONS





## SET UP AND CONFIGURE WITH EASE

Designed for one-or two-pump control, the Grundfos LC panel line is ideal for a wide range of emptying and filling applications including: wastewater lift stations, stormwater stations, commercial building and industrial sumps, drainage and tank fill applications.

The controller is equipped with predefined settings for an easier and quicker start-up, and supports up to five control levels for analog level transmission or float switch operation.

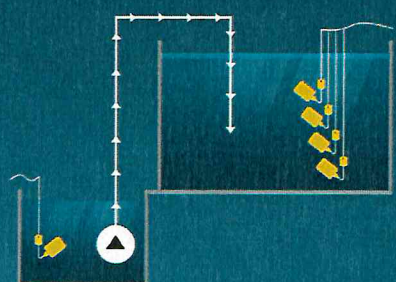
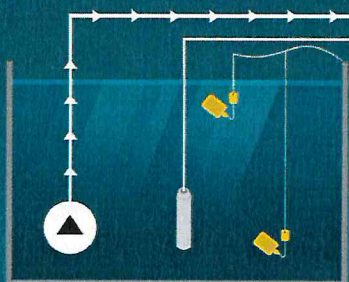
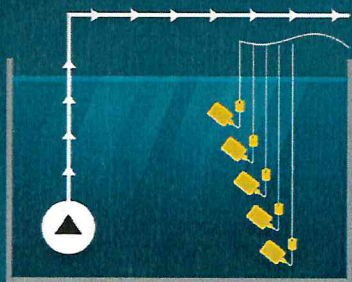
Start and stop signals are used for normal operation, and the optional dry run signal will protect the pumps from dry running. The controller has two modes: EMPTYING or FILLING.

Grundfos LC panels are available in two variants:

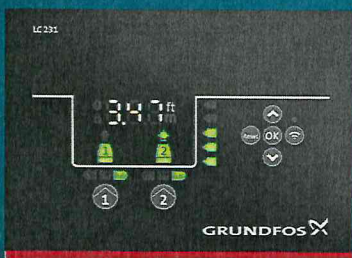
**LC 231** – a compact solution with certified motor protection

**LC 241** – a modular panel with a dead front offering options for customization

## MANY FLOAT AND SUBMERSIBLE TRANSDUCER CONFIGURATIONS AVAILABLE



## FLEXIBLE AND USER-FRIENDLY INTERFACE



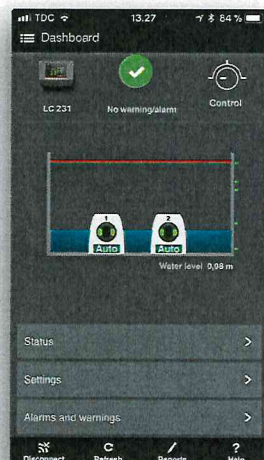
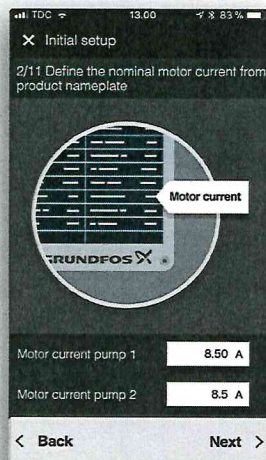
Save valuable time with the intuitive and easy-to-use interface. The LC control system is equipped with configurable input/output terminals, offering flexibility for all applications. Daily control, supervision and commissioning is simple and straightforward.

Additionally, the controller is able to integrate into Supervisory Control and Data Acquisition (SCADA) systems.



**DOWNLOAD  
GRUNDFOS  
GO REMOTE**  
AVAILABLE ON APPLE  
IOS AND GOOGLE PLAY

**THE ONLY  
CONTROLLER  
FOR LIFE  
ON THE GO**



Set up and configure your LC controller through the Grundfos GO mobile app. Using Bluetooth technology, Grundfos controllers offer easy and seamless integration so you don't have to be on site to connect, monitor or manage your pump station.

The simple and intuitive dashboard displays your installation status where you can monitor the pit and pumps at a glance. View priority areas faster with shortcuts to alarms and warnings, manual pump control and a detailed pump status.

You can also generate a complete report that shows the settings and status of the installation.

Optional features such as anti-seizing or power-on delay can be adjusted. Grundfos GO can also be used to store the complete settings for your pumping station or copy the settings for future installations, further minimizing workload.

## CONFIGURATION OVERVIEW

Grundfos LC level controllers are available in two variants.



**LC 231**

A compact solution with certified motor protection



**LC 241**

A cabinet solution offering modularity and customization

|   |          |          |
|---|----------|----------|
| One-and two-pump operation  | •        | •        |
| 1-phase 110-240 VAC (50/60 Hz)  | •        | •        |
| Start and run capacitors for 1-phase systems                                  |          | •        |
| 3-phase 200-460 VAC (50/60 Hz)  | •        | •        |
| Direct-on-line start method up to 9.6 A (Simplex), or 7.6A (Duplex)           | •        |          |
| Direct-on-line start method up to 32 A  |          | •        |
| Customizable for other starting methods and higher current (greater than 32A) |          | •        |
| Motor protection  | Built-in | •        |
| Overheat protection   | •        | •        |
| Input/Output: IO 4xDI, 1xAI/DI  |          | •        |
| Additional Input/Output Capability  |          | Optional |
| Inputs/Outputs: 2xDI, 2xDI/DO, 2xCIO  | •        |          |
| Supports Grundfos Communication Interface Module (CIM)*                       | •        | •        |
| Thermoplastic enclosure   | •        | •        |
| Environmental rating  | NEMA 3R  | TYPE 4X  |
| Current measurement   | Built-in | •        |
| Built-in buzzer   | •        | •        |
| Grundfos GO support via Bluetooth smart device                                | •        | •        |
| Options available for customization   |          | •        |



## LC CONTROLLER BENEFITS

Raising the bar for what you expect from a pump station controller, the Grundfos LC 231 and LC 241 level controllers offer a comprehensive range of features for complete pump station set up, monitoring and control.

### INTUITIVE USER INTERFACE

The controller has a simple user interface that can be used for daily status monitoring and includes pit level, pump status and manual control of the pumps. In simple applications, the interface provides setup assistance for installation and commissioning. In the event of an alarm, the alarm code will be shown on the interface.

### PUMP AND SYSTEM PROTECTION

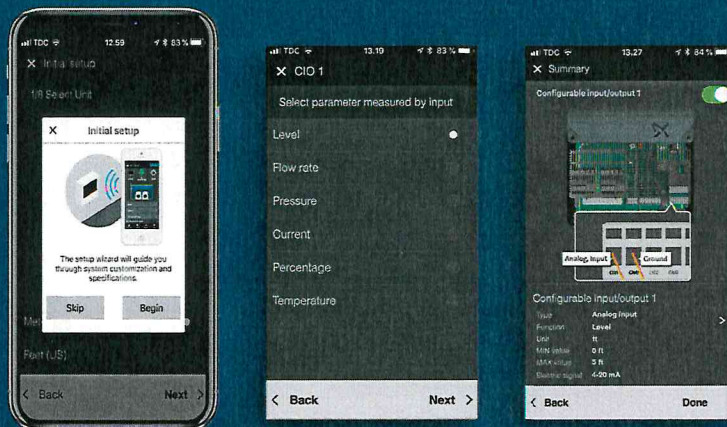
The controller gives an alarm in the event of current overload, pump overheating, dry running, high water level, incorrect phase sequences or missing phase, sensor inconsistency or failure, intrusion detected, water on floor, too many restarts, or moisture in pump.

### EASY SCADA INTEGRATION

The controller uses open protocols for connection to any SCADA system. This allows you to access your pumping stations or filling station remotely, to control the pumps, change settings and view alarms and operations data.

### ALARM AND WARNING LOG

The controller maintains a detailed alarm and warning log with the last 20 alerts. The alarm log can be accessed remotely via SCADA or Grundfos GO for easy troubleshooting.



### CONFIGURABLE INPUTS AND OUTPUTS (CIO)

The controller has a number of free inputs and outputs for extra sensors, such as outlet pressure from the pit. The Grundfos CIO ports (Configurable Input/Output) can be configured to fit almost any type of signal, including digital input/output, analog input and Pt 100/1000 inputs. The two relay outputs can be configured using Grundfos GO to show a variety of status information on a supervisory system or PLC.

### ADDITIONAL LC 231 AND 241 FEATURES:

- Anti-seizing
- Max numbers of restarts
- Pump statistics and maintenance indicators
- PIN code security and protection
- Historical functional data log





GRUNDFOS  
 Poul Due Jensens Vej 7  
 DK-8850 Bjerringbro, Denmark

# Wiring Diagram

Application: Pump Control  
 Product: LC 241 2x8-32A DOL 3x208/230/460 PO  
 Product number: 99612818

Rated voltage: 208/230/460 V  
 Rated operational voltage: 208/230/460 V  
 Rated current: 64 A  
 Rated current of auxiliary circuit: 0.5 A  
 Rated frequency: 60 Hz

Pollution degree:  
 Earthing scheme:  
 Type of installation: Stationary assembly for indoor/outdoor installation  
 Degree of protection: 4X  
 Electromagnetic compatibility:  
 Ambient Temperature: -4F (-20C) : 104F (40C)

Number of pumps: 2  
 Rated current, main pump: 32 A  
 Starting method, main pump: DOL  
 Rated conditional short-circuit current: 10 kA  
 Dimensions (WxHxD): 16.26x20.1x8.38 Inch

Caution: Line Terminals of variable-speed-controlled motors may have dangerous voltages even though the motor is stopped.

|             |      |      |   |          |           |                |  |                                     |  |                 |  |
|-------------|------|------|---|----------|-----------|----------------|--|-------------------------------------|--|-----------------|--|
| Change Note | Date | Name | NOTE:<br>This drawing and its content is the property of GRUNDFOS. It may not be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without prior written permission from GRUNDFOS. Changes are only to be made by GRUNDFOS. | Date     | 12/4/2018 | GRUNDFOS       |  | LC 241 2x8-32A DOL 3x208/230/460 PO |  | Cover Sheet     |  |
|             |      |      |   | Drafter  | JS        |                |  |                                     |  |                 |  |
|             |      |      |   | Approved | BK        |                |  |                                     |  | Page Number     |  |
|             |      |      |   | Revision | 004       |                |  |                                     |  | Number of Pages |  |
|             |      |      |   |          |           | Replacement of |  | Replaced By                         |  |                 |  |

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# Feeder Circuit Protection:

Largest Motor FLA and  
Panel Maximum FLA:

Feeder Circuit Protection to be Provided by Installer.  
Type and Size to be based upon Local, State, and  
National Electrical Codes.

SCCR Rating: 10 kA

|                  |        |
|------------------|--------|
| Motor Horsepower |        |
| Motor FLA        | 32 A   |
| Panel Max FLA    | 64.5 A |

## Field Installed Options Wiring Requirements

|                                |                                   |
|--------------------------------|-----------------------------------|
| Digital Inputs                 | 20 to 14AWG 600V Copper Wire      |
| Analog Inputs                  | 20 to 14AWG 2 wire Shielded Cable |
| Digital Outputs (Dry Contacts) | 20 to 14AWG 600V Copper Wire      |

## Wiring Sizes & Wiring Technical Characteristics

All Wire is 600V MTW Copper Wire  
Main Disconnect Switch to Power Distribution Block: 2/0AWG ... 10AWG based on Panel FLA  
Motor Supply Wire from Q1 .. Q4: 8AWG .. 14AWG based on FLA of Motor  
A-Y-B Cable for GENIbus connection: 3 x 18AWG 600V Shielded Cable

| Wire Color                         |              |
|------------------------------------|--------------|
| BLU +12/24VDC Power                | BLUE         |
| BLU/WHI -12/24VDC Power            | Blue/White   |
| BLK 115VAC Primary Power           | Black        |
| WHT 115VAC Neutral                 | White        |
| GRN/YEL Ground/PE                  | Green/Yellow |
| ORG Analog Inputs                  | Orange       |
| ORG Analog Outputs                 | Orange       |
| PUR Digital Inputs                 | Purple       |
| PUR/WHI Grounded for Digital Input | Purple/White |
| YEL Digital Output                 | Yellow       |
| BRN All Other Wiring               | Brown        |

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Date

12/4/2018

Drafter

JS

Approved

BK

Revision

004

Change Note

Date

Name

LC 241 2x8-32A DOL 3x208/230/460 PO

99612818

Replacement of

Replaced By

General Information

Page Number

3

Number of Pages

12









|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|

## Summarized Parts List

| Device Tag    | Quantity | Length (In) | Part Description                            | ERP #                 | Manufacturer | Part Number        |
|---------------|----------|-------------|---|-----------------------|--------------|--------------------|
| -             | 5        | 29 In       | Wire, 18 AWG, MTW, STR, White 600V          | IEWC                  |              | 1015/18B16-9       |
| -             | 2        |             | Wire, 18 AWG, MTW, STR, White/Black 600V    | IEWC                  |              | 1015/160326-9      |
| -             | 6        | 31 In       | Wire, 18 AWG, MTW, STR, Yellow 600V         | IEWC                  |              | 1015/18B16-4       |
| -             | 5        | 71 In       | Wire, 18 AWG, MTW, STR, Red 600V            | IEWC                  |              | 1015/18B16-1       |
| -             | 2        | 31 In       | Wire, 18 AWG, MTW, STR, Blue 600V           | IEWC                  |              | 1015/18B16-3       |
| -             | 2        | 19 In       | Wire, 18 AWG, MTW, STR, White/Blue 600V     | IEWC                  |              | 1015/18B16-9       |
| -             | 6        |             | Wire, 8 AWG, MTW, STR, Black 600V           | IEWC                  |              | HYPO8T84-0         |
| -             | 8        | 97 In       | Wire, 18 AWG, MTW, STR, Black 600V          | IEWC                  |              | 1015/18B16-0       |
| -             | 4        |             | Wire, 18 AWG, MTW, STR, Orange 600V         | IEWC                  |              | 1015/18B16-5       |
| -             | 2        | 28 In       | Wire, 14 AWG, MTW, STR, Black 600V          | IEWC                  |              | 1015/14B19-0       |
| -2            | 1        |             | Pilot, Pushbutton Operator                  | Schneider Electric    |              | ZB4BA2             |
| -3            | 1        |             | Collar, Pilot                               | Schneider Electric    |              | ZB4B2009           |
| -4            | 1        |             | Label, Grundfos Panel, 250mm                | SMT Graphics          |              | 1002608            |
| -7/-8         | 2        |             | Phase Separator Lub                         | Schneider Electric    |              | LU9SP0             |
| -10...-12,-17 | 6        |             | Din Rail, End Stop                          | IDEC                  |              | BNL-5              |
| -114          | 1        |             | Block, End Barrier, 85A, SE                 | Schneider Electric    |              | NSYTRAC162         |
| -117          | 1        |             | Bracket, Standoff, DaYu, 3P, LUB            | Alderon               |              | 1002607            |
| -AUX2         | 1        |             | Relay, S.E., Int, MF, 120V, SPDT            | Schneider Electric    |              | RXG11F7            |
| -AUX2         | 1        |             | Relay SE, 1 Pole Socket                     | Schneider Electric    |              | RGZE1S35M          |
| -AUX2         | 1        |             | Relay, S.E., Int, Label Plate               | Schneider Electric    |              | RSZL300            |
| -B1           | 1        |             | Motor protector, Buzzer, 120V, Warble, 95DB | Ingram                |              | PB-120A            |
| -BP2          | 1        |             | Door Inner, DaYu, 16x14 Duplex              | Alderon               |              | 1002601            |
| -BP6          | 1        |             | Backplate, Grundfos, DaYu, 16x14            | Alderon Industries    |              | 1003899            |
| -CNV1,-CNV2   | 2        |             | Transformer Current, SIRIO, 152035          | SIRIO                 |              | DT152035-2303      |
| -DIN1,-DIN2   | 2        | 12.521      | Rail Din, Steel, Low                        | Wago                  |              | 210-112            |
| -ENCL1        | 1        |             | Enclosure, Integra, Premium, 16x14x7        | Integra Enclosures    |              | H161407HLL         |
| -FU1,-FU2     | 2        |             | Terminal box Fuse, SE                       | Schneider Electric    |              | NSYTRV42SF5        |
| -FU1,-FU2     | 4        |             | Fuse, 5mm X 20mm, 1A                        | Littlefuse            |              | F2677-ND           |
| -FU4,-FU5     | 2        |             | Fuse, Primary, FNQR, 0.5A                   | Bussmann              |              | FNQR-1/2           |
| -GND1,-GND2   | 2        |             | Lug, Ground                                 | Burndy                |              | KA6U               |
| -HMI1         | 1        |             | CU241-2 (LCD)                               | Grundfos              |              | CU241-2            |
| -LT1          | 1        |             | Beacon, 15W, One Hole, Red                  | AC/DC                 |              | R15-MB             |
| -PARTS        | 1        |             | Enclosure, Inner Door Hinge Kit             | Integra Enclosures    |              | USOPK-G            |
| -PARTS        | 1        |             | Connect Cable, Grundfos Genie               | Grundfos              |              | 1003520            |
| -PARTS        | 1        |             | Label, Grundfos, DaYu, 3P, 2Pump            | SMT Graphics          |              | 1002907            |
| -PARTS        | 1        |             | Label, Grundfos, DaYu, TB, D32A, 460V       | SMT Graphics          |              | 1002912            |
| -PARTS        | 1        |             | Kit, Label, Grundfos, DaYu, Alm, P1, P2     | SMT Graphics          |              | 1002905            |
| -PARTS        | 2        |             | Label, Laminated Schematics                 | Alderon               |              | 1001997            |
| -PARTS        | 1        |             | Label Conduit                               | AWT Labels &          |              | 1000122            |
| -PARTS        | 1        |             | I and O instructions, Print Package         |                       |              | 1003594            |
| -PARTS        | 12       |             | Screw Phillips, 6x1/2, Self Drill           | B & F Fastener Supply |              | PTEKF2 006 0050 PH |
| -PARTS        | 8        |             | Screw Phillips, 6x3/4, Self Drill           | B & F Fastener Supply |              | DE-075PSDZ         |
| -PARTS        | 8        |             | Screw Hex, 8x1/2, Self Drill                | B & F Fastener Supply |              | HTTEKF2 008 0050   |

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| Change Note | Date | Name | NOTE:<br>This drawing and its contents are the property of Grundfos. It is not to be copied for third parties or competitors. Changes are only to be made by GRUNDFOS. | Date | 12/4/2018 | Drafter | JS | Approved | BK | Revision | 004 | LC 241 2x8-32A DOL 3x208/230/460 PO | 99612818 | Replacement of | Replaced By | Summarized Parts List | Page Number | 6 | Number of Pages | 12 |
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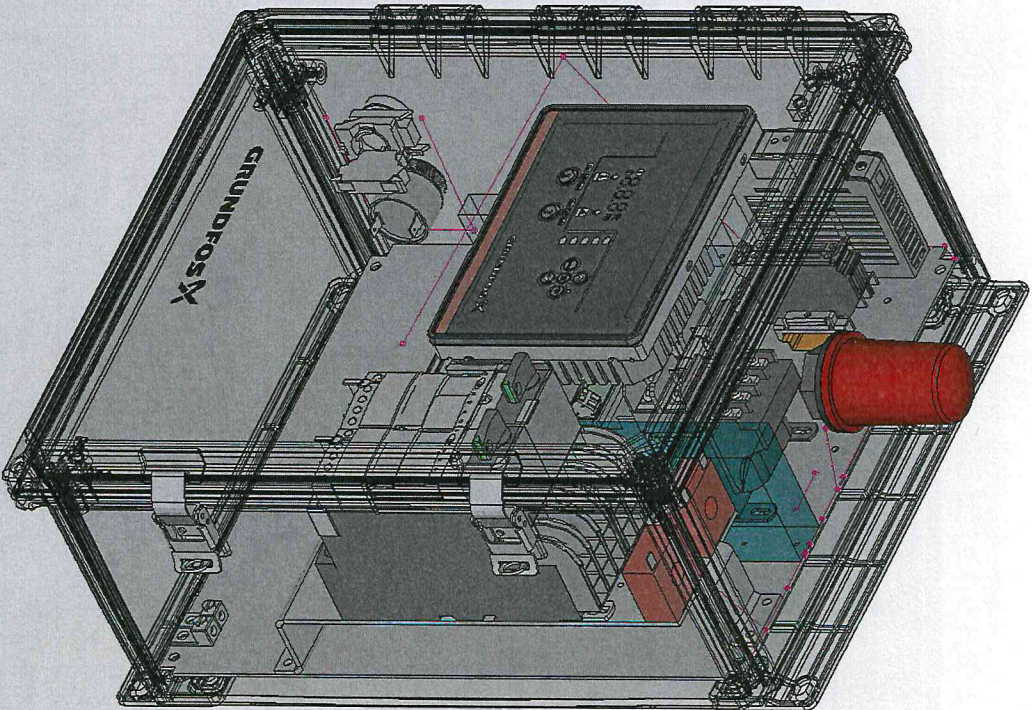
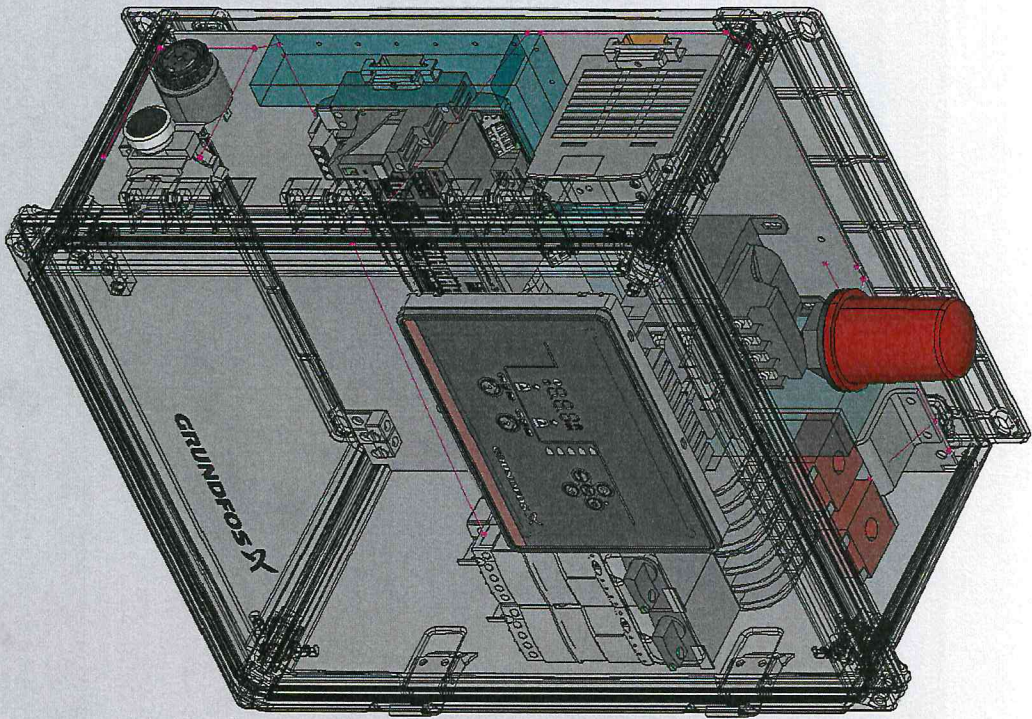




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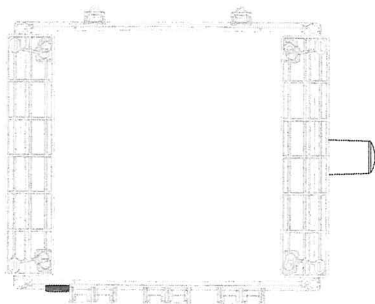
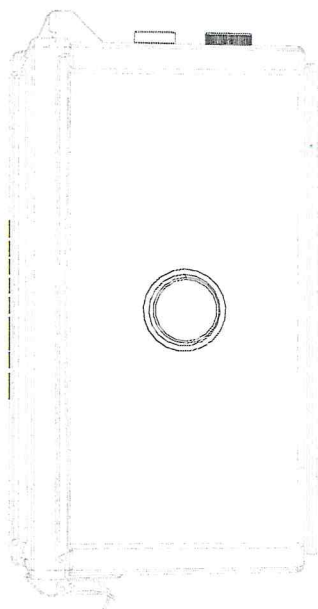
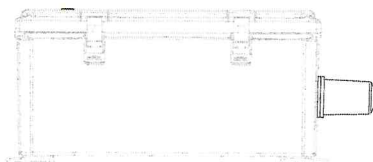
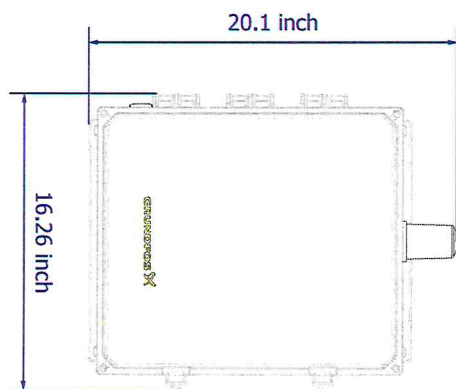
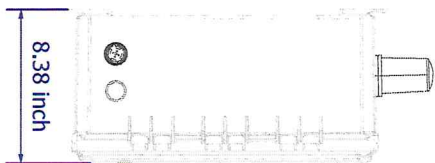
# Enclosure

# Enclosure

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|             |      |      | NOTE:<br>This drawing and its<br>content is the property of<br>GRUNDFOS. It may not<br>be copied for third<br>parties or competitors.<br>Changes are only to<br>be made by Grundfos. | Date     | 12/4/2018 |  |
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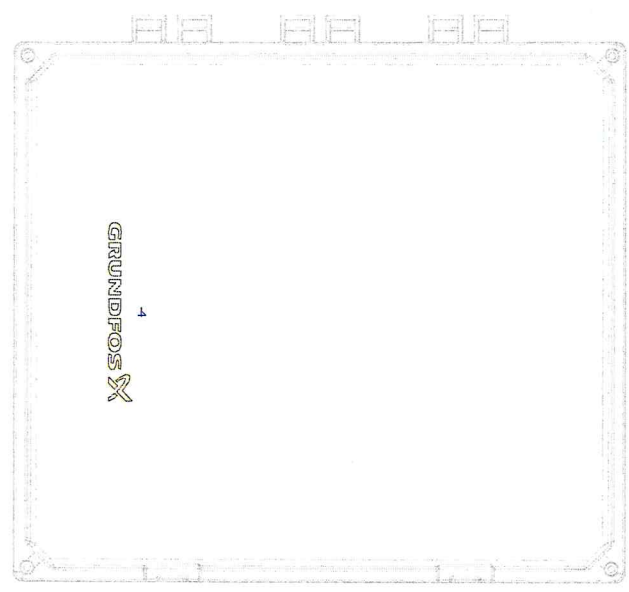
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| Change Note | Date | Name | NOTE:<br>This drawing and its contents are the property of Grundfos. It is not to be copied for third parties or competitors. Changes are only to be made by GRUNDFOS. | Date     | 12/4/2018 | <b>GRUNDFOS</b> | LC 241 2x8-32A DOL 3x208/230/460 PO<br>99612818 | Replacement of | Replaced By | Enclosure Perspective |
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# Enclosure legend

| Device tag | Description                  |
|------------|------------------------------|
| ENCL1      |                              |
| 4          | Label, Grundfos Panel, 250mm |

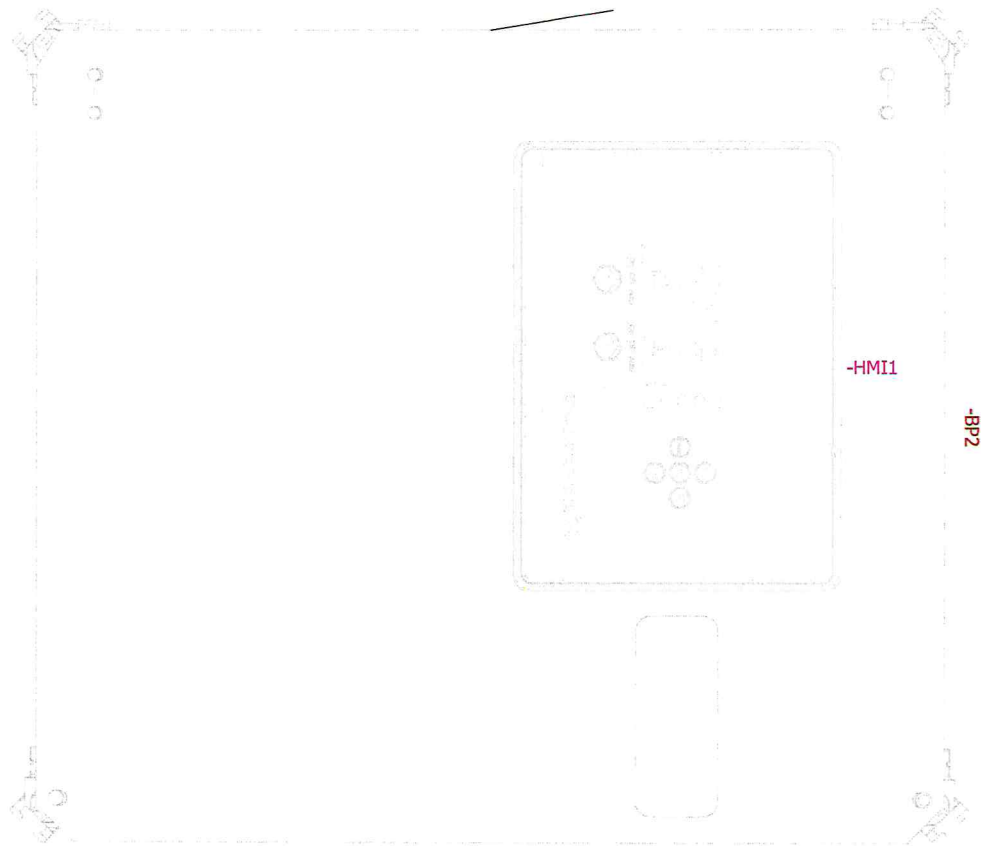


Door Layout

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# Enclosure legend

| Device tag | Description                    |
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| BP2        | Door Inner, DaYu, 16x14 Duplex |
| HMI1       | CU241-2 (LCD)                  |



Mounting Panel Layout

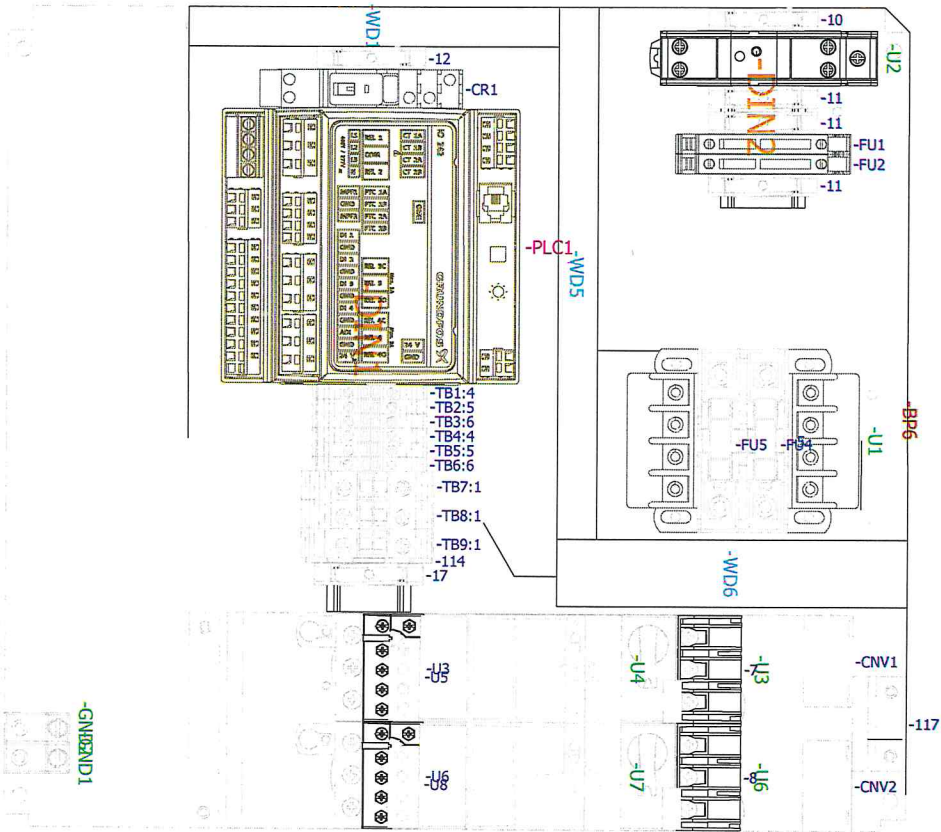
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12

# Enclosure legend

| Device tag | Description                          |
|------------|--------------------------------------|
| DIN1       | Rail Din, Steel, Low                 |
| WD1        | Duct, Wire, 0.5" x 1.5", WHT         |
| 12         | Din Rail, End Stop                   |
| 17         | Din Rail, End Stop                   |
| U1         | Transformer 50VA,208/230/460:120     |
| 5          |                                      |
| FU4        | Fuse, Primary, FNQR, 0.5A            |
| FU5        | Fuse, Primary, FNQR, 0.5A            |
| DIN2       | Rail Din, Steel, Low                 |
| 10         | Din Rail, End Stop                   |
| 11         | Din Rail, End Stop                   |
| 11         | Din Rail, End Stop                   |
| U2         | Din Rail, End Stop                   |
| U2         | Power Supply, IDEC, 24 VDC,15W       |
| CNV1       | Transformer Current, SIRIO, 152035   |
| CNV2       | Transformer Current, SIRIO, 152035   |
| GND1       | Lug, Ground                          |
| GND2       | Lug, Ground                          |
| U3         | Motor Starter, Tele, LUB32           |
| U3         |                                      |
| U3         |                                      |
| U6         | Motor Starter, Tele, LUB32           |
| U6         |                                      |
| U4         | Motor Starter Overload, LUC32, 8-32A |
| U7         | Motor Starter Overload, LUC32, 8-32A |
| 7          | Phase Separator Lub                  |
| 8          | Phase Separator Lub                  |
| U5         | Motor Starter Tele, Aux. Cont, LU    |
| U8         | Motor Starter Tele, Aux. Cont, LU    |
| TB1        | Terminal Block 30A, SE               |
| TB2        | Terminal Block 30A, SE               |
| TB3        | Terminal Block 30A, SE               |
| TB4        | Terminal Block 30A, SE               |
| TB5        | Terminal Block 30A, SE               |
| TB6        | Terminal Block 30A, SE               |
| FU1        | Fuse 5mm x 20mm, 1 Amp               |
| FU2        | Fuse 5mm x 20mm, 1 Amp               |
| PLC1       | IO242 Basic                          |
| TB7        | Terminal Block 85A, SE               |



Mounting Panel Layout

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|             |      |      |  |      |           |         |    |          |    |          |     |                                     |          |                |             |                       |             |    |                 |    |
|-------------|------|------|--|------|-----------|---------|----|----------|----|----------|-----|-------------------------------------|----------|----------------|-------------|-----------------------|-------------|----|-----------------|----|
| Change Note | Date | Name | NOTE:<br>This drawing and its content is the property of Grundfos. It is not to be copied for third parties or competitors. Changes are only to be made by GRUNDFOS. | Date | 12/4/2018 | Drafter | JS | Approved | BK | Revision | 004 | LC 241 2x8-32A DOL 3x208/230/460 PO | 99612818 | Replacement of | Replaced By | Mounting Panel Layout | Page Number | 12 | Number of Pages | 12 |
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