

MDU Gas Train Module

Installation, Operation, & Maintenance Instructions



WARNING. Improper installation adjustment, alteration, excessive vibration, service, or maintenance can cause property damage, injury or death. Read the installation, operating and maintenance instructions thoroughly before installing, operating or servicing this equipment.

Special Notes

The following special notices highlight important information in the installation, operation and maintenance sections.



This symbol indicates a potentially hazardous situation, which, if not avoided, can result in personal injury or damage to the equipment.



This symbol indicates a potentially hazardous situation, which, if not avoided, may be a shock hazard.



This symbol indicates an imminently hazardous situation, which, if not avoided, could result in death or serious injury.

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A. OVERVIEW

The Thermon EnviroDyne™ gas train module must be used in conjunction with the convertor module to ensure the correct operation of the functional assembly.

The gas train module is specifically designed and built to support safe and efficient operation of the Thermon EnviroDyne™ Methane Destruction Unit. The diagram shown in Figure 1 shows a detailed location and description of the gas train components. Each of the components has a specific function and should not be changed, altered, or modified without consultation with the factory.



CAUTION. This equipment must be installed by qualified personnel in accordance with all local codes and standards.



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B. INSTALLATION

1. Find a suitable indoor mounting location and secure the gas train back plate to a non-combustible wall.
2. Attach a gas feed line to the port marked as “Natural Gas Feed”. The maximum inlet pressure to the low-pressure service regulator is 250 psig (1.7 MPa). If the inlet pressure is higher than this, a high-pressure regulator must be installed upstream.
3. Attach piping between the emissions device and the port marked as “Emissions Inlet”.
4. Attach piping between the port marked “To MDU” and the convertor assembly. See specific instruction manual for connections.
5. Attach the electrical supply to the MDU junction box using hazardous location wiring methods as shown in the specific EnviroDyne convertor instruction manual.

C. OPERATION

The unit was tested at the factory prior to shipment and all pressure regulators should be factory preset to default positions.

1. Check that the gas feed line pressure regulator is set to 5 psig.
2. Check that the pilot inlet pressure gauge is showing 4” WC.
3. Check that the emissions pressure gauge is showing 7” WC.
4. Turn on the natural gas supply and start the EnviroDyne convertor. See the specific instruction manual for convertor starting details.

For further assistance, please call 24hr hotline: 1-800-661-8529 (U.S.A. and Canada)
Please have model and serial numbers available before calling.

WARRANTY: Under normal use the Company warrants to the purchaser that defects in material or workmanship will be repaired or replaced without charge for a period of 18 months from date of shipment, or 12 months from the start date of operation, whichever expires first. Any claim for warranty must be reported to the sales office where the product was purchased for authorized repair or replacement within the terms of this warranty.

Subject to State or Provincial law to the contrary, the Company will not be responsible for any expense for installation, removal from service, transportation, or damages of any type whatsoever, including damages arising from lack of use, business interruptions, or incidental or consequential damages.

The Company cannot anticipate or control the conditions of product usage and therefore accepts no responsibility for the safe application and suitability of its products when used alone or in combination with other products. Tests for the safe application and suitability of the products are the sole responsibility of the user.

This warranty will be void if, in the judgment of the Company, the damage, failure or defect is the result of:

- Vibration, radiation, erosion, corrosion, process contamination, abnormal process conditions, temperature and pressures, unusual surges or pulsation, fouling, ordinary wear and tear, lack of maintenance, incorrectly applied utilities such as voltage, air, gas, water, and others or any combination of the aforementioned causes not specifically allowed for in the design conditions or,
- Any act or omission by the Purchaser, its agents, servants or independent contractors which for greater certainty, but not so as to limit the generality of the foregoing, includes physical, chemical or mechanical abuse, accident, improper installation of the product, improper storage and handling of the product, improper application or the misalignment of parts.

No warranty applies to paint finishes except for manufacturing defects apparent within 30 days from the date of installation.

The Company neither assumes nor authorizes any person to assume for it any other obligation or liability in connection with the product(s).

The Purchaser agrees that all warranty work required after the initial commissioning of the product will be provided only if the Company has been paid by the Purchaser in full accordance with the terms and conditions of the contract.

The Purchaser agrees that the Company makes no warranty or guarantee, express, implied or statutory, (including any warranty of merchantability or warranty of fitness for a particular purpose) written or oral, of the Article or incidental labour, except as is expressed or contained in the agreement herein.

LIABILITY: Technical data contained in the catalog or on the website is subject to change without notice. The Company reserves the right to make dimensional and other design changes as required. The Purchaser acknowledges the Company shall not be obligated to modify those articles manufactured before the formulation of the changes in design or improvements of the products by the Company.

The Company shall not be liable to compensate or indemnify the Purchaser, end user or any other party against any actions, claims, liabilities, injury, loss, loss of use, loss of business, damages, indirect or consequential damages, demands, penalties, fines, expenses (including legal expenses), costs, obligations and causes of action of any kind arising wholly or partly from negligence or omission of the user or the misuse, incorrect application, unsafe application, incorrect storage and handling, incorrect installation, lack of maintenance, improper maintenance or improper operation of products furnished by the Company.

Edmonton	Oakville	Orillia	Houston	Denver
1-800-661-8529	1-800-410-3131	1-877-325-3473	1-855-219-2101	1-855-244-3128
1-780-466-3178	1-905-829-4422	1-705-325-3473	1-281-506-2310	1-303-979-7339
F 780-468-5904	F 905-829-4430	F 705-325-2106	F 281-506-2316	F 303-979-7350