



**AURORA<sup>®</sup>**

# MODELS 481, 483 AND 485

## **FIRE P MP**

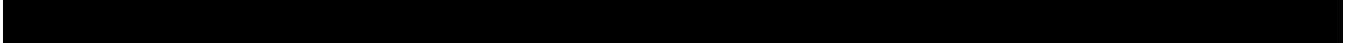
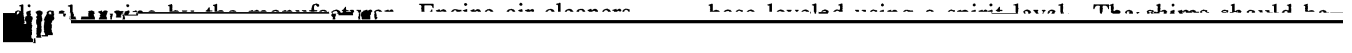
**IN , ALLA ION AND , AR - P MAN AL**

NOTE! To the installer: Please make sure you provide this manual to the owner of the equipment or to the responsible party who maintains the system.

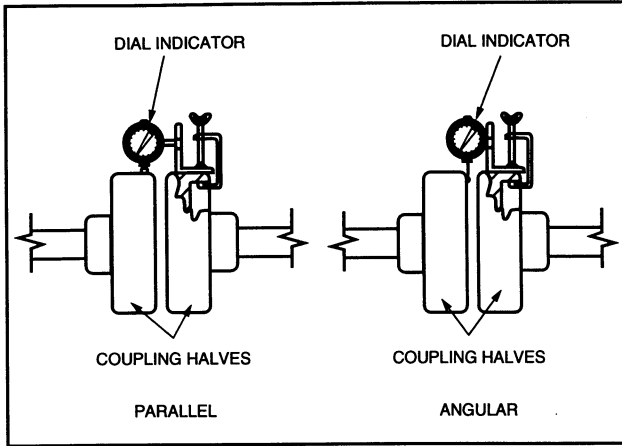


MODELS 481, 483, 485

Two flexible flame resistant fuel hoses are attached to the leveling operation. Shims should be inserted and the unit  
base leveled using a spirit level. The shims should be



**NOTE**

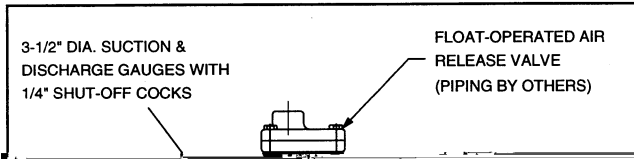


Any adjustment to correct one direction of alignment may affect the other direction. Therefore it is necessary to recheck both angular and parallel alignment after each adjustment.

When the unit is properly aligned, the foundation bolts can be tightened, but not too firmly. Waste material should be stuffed into the sleeves around the foundation bolts to prevent grout from filling the sleeves during grouting.

**PIPING.** Suction and discharge piping must be properly positioned and attached to pump. Positioning of the unit

MODELS 481, 483, 485



**CONTROLLER WIRING.** Wiring of the Fire Pump and Jockey Pump controllers should be made by qualified personnel in accordance with N.E.C. and other applicable local codes. Wiring to the electric motors should be connected as indicated in the specific wiring diagrams





MODELS 481, 483, 485

order to vent the system and visually verify the flow of water through the heat exchanger.

Diesel fuel is not furnished by Aurora and must be procured locally prior to start-up.

should be installed so that the supply outlet is at the same elevation as the engine's fuel pump. Since the unit base is usually elevated as described earlier, this may require

commercial grade muffler and flexible connector are furnished as standard on diesel Fire Pumps. If necessary, additional fittings needed for connecting these to the



MODELS 481, 483, 485

evaluation of the system with respect to back pressure. A larger muffler and piping may be required to allow the

substituted for elbows in the piping system. It is recommended that the flexible connector be placed as

engine to operate properly.

The flexible connectors furnished by Aurora are intended for use as a vibration control device and cannot be

close to the engine's exhaust outlet as possible. The muffler and piping must be supported to prevent strain on any diesel engine component.

## START-UP & FIELD ACCEPTANCE TEST

**GENERAL.** The following is a general outline for starting and field testing Fire Pump systems. It is recognized that requirements and methods may vary depending on local customs and practices. Those involved in Fire Pump sales MUST fully understand all local requirements and N.F.P.A. Pamphlet 20. A general method to follow is outlined below.

adjustment may be required later, so a recheck upon completion of the test is advised.

F. Close the relief valve completely for a brief period to verify that the shut-off pressure agrees with that on the certified factory test curve.

G. Adjust the casing relief valve (electric-driven units

Blank area containing multiple horizontal lines for notes or additional information.

MODELS 481, 483, 485

territories.

1) A hose and play pipe are connected to each valve on the hose manifold.

2) The discharge valve leading to the building's fire

equal to 500 GPM, readings of 1000 GPM, 1500 GPM, 2000 GPM, etc. can be determined.

9) Open the necessary hose valves to obtain the total rated flow. When this flow is assured, check and record the following data:

**IMPORTANT**

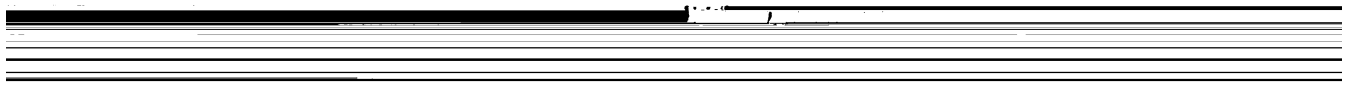
Upon successful completion of the field acceptance test, the following points must be verified:

- A. The discharge valve leading to the outside hose manifold should be closed.
- B. The discharge valve leading to the building fire

D. The main relief valve (if applicable) should be set to a pressure just above the maximum system pressure.

E. Both the Fire Pump and Jockey Pump controllers should be set to the "automatic" position.

F. Any alarm systems disabled during the tests should be reactivated.



## WARRANTY

Seller warrants equipment (and its component parts) of its own manufacture against defects in materials and workmanship under normal use and service for one (1) year from the date of installation or start-up, or for eighteen (18) months after the date of shipment, whichever occurs first. Seller does not warrant accessories or components that are not manufactured by Seller; however, to the extent possible, Seller agrees to assign to Buyer its rights under the original manufacturer's warranty, without recourse to Seller. Buyer must give Seller notice in writing of any alleged defect covered by this warranty (together with all identifying details, including the serial number, the type of equipment, and the date of purchase) within thirty (30) days of the discovery of such defect during the warranty period. No claim made more than 30 days after the expiration of the warranty period shall be valid. Guarantees of performance and warranties are based on the use of original equipment manufactured (OEM) replacement parts. Seller assumes no responsibility or liability if alterations, non-authorized design modifications and/or non-OEM replacement parts are incorporated. If requested by Seller, any equipment (or its component parts) must be promptly returned to Seller prior to any attempted repair, or sent to an authorized service station designated by Seller, and Buyer shall prepay all shipping expenses. Seller shall not be liable for any loss or damage to goods in transit, nor will any warranty claim be valid unless the returned goods are received intact and undamaged as a result of shipment. Repaired or replaced material returned to customer will be shipped F.O.B., Seller's factory. Seller will not give Buyer credit for parts or equipment returned to Seller, and will not accept delivery of any shipped equipment if it is not in accordance with the original manufacturer's specifications. This warranty is void where prohibited by law.