



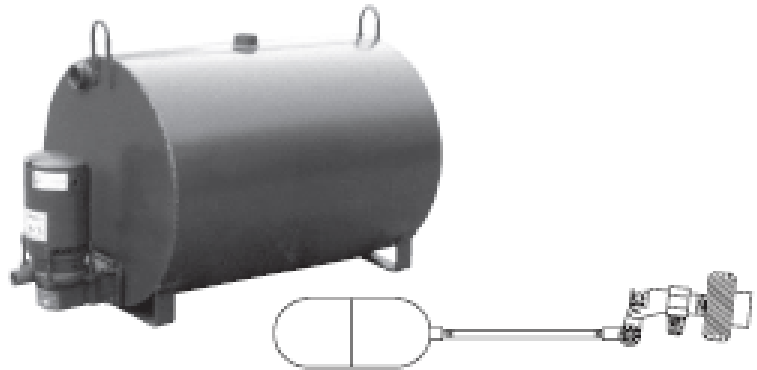
Minuteman Horizontal Boiler Feed Units

For up to 16,000 EDR Systems

Description: **Minuteman Horizontal Pumps**
Type: **Horizontal Boiler Feed Units**
Receiver: **49-80 GAL**

Overview:

Minuteman Horizontal Boiler Feed Units establish the standard for total cost of ownership and performance. Our boiler feed units are competitively priced but, also offer long term cost savings because they are built with industry standard electric motors. By building our pumps with high quality industry standards, electric motors our customers can easily make repairs with standard off the shelf components. The result is significant cost savings over the life of the unit.



Features:

- Industry Standard Motor
- Universal availability lowers cost and down time.
- Bronze Impeller and Wear Ring
- Superior corrosion and wear resistance increases pump life.
- Centrifugal Technology
- Allows pump to operate at low suction head levels.

Technical Specifications:

- Industry standard ODP 3500 RPM motors factory wired for 115 or 230/1/60 with built-in thermal overload protection. Bronze impeller and wear ring for extended pump life.
- Welded 3/16" thick steel receiver available in sizes 30 to 100 gallons. All simplex units have blank pad to convert to a duplex style if desired.
- Gauge glass assembly for viewing water level.
- Pumps are designed to efficiently pump condensate up to 200°F and mechanical seals will withstand 250°F.

How to select and order condensate units:

- Select unit size based on pump GPM, PSIG, and receiver size.
- First determine GPM. GPM is determined by multiplying the evaporation rate of the boiler by 1.5 to 2.0.
- Determine receiver size. Receiver size in general should be one gallon per one boiler horsepower including all boilers to be fed by the same feed unit.
- Generally low pressure boilers run at 0.5 to 15 PSIG so a 20 PSIG pump will be adequate. If unit is used as a surge tank, pumps should run continuously.
- Specify catalog number when placing order.

NES Company Inc.
2500 Plaza 5/Harborside Financial Center
Jersey City, NJ 07311

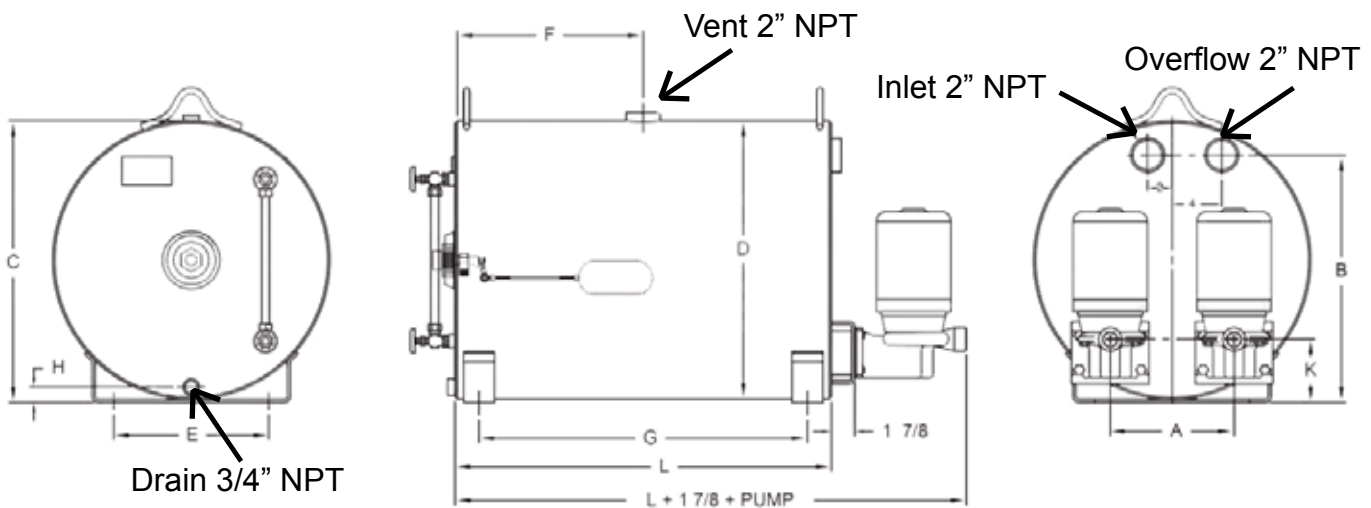
(800) 297-3550
www.nescompany.com
info@nescompany.com



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For up to 16,000 EDR Systems

| Boiler HP | System Sq. ft. EDR | Receiver Size | Pump GPM | Pump PSIG | Pump Type | Pump HP | # of Pumps | Pumps Discharge | Catalog Number |
|-----------|--------------------|---------------|----------|-----------|-----------|---------|------------|-----------------|----------------|
| 40 | 5576 | 49 | 6 | 20 | VM33101 | 1/3 | 1 | 3/4 | MMH-049-1 |
| 40 | 5576 | 49 | 6 | 20 | VM33101 | 1/3 | 1 | 3/4 | MMH-049-2 |
| 60 | 8364 | 70 | 9 | 20 | VM33101 | 1/3 | 1 | 3/4 | MMH-070-1 |
| 60 | 8364 | 70 | 9 | 20 | VM33101 | 1/3 | 2 | 3/4 | MMH-070-2 |
| 100 | 13940 | 117 | 15 | 20 | VM33101 | 1/3 | 1 | 3/4 | MMH-117-1 |
| 100 | 13940 | 117 | 15 | 20 | VM33101 | 1/3 | 2 | 3/4 | MMH-117-2 |
| 120 | 16728 | 180 | 18 | 20 | VM33101 | 1/3 | 1 | 3/4 | MMH-180-1 |
| 120 | 16728 | 180 | 18 | 20 | VM33101 | 1/3 | 2 | 3/4 | MMH-180-2 |



| Receiver Size | A | B | C | D | E | F | G | H | K | L |
|---------------|----|--------|--------|----|----|----|--------|--------|--------|----|
| 49 | 10 | 20-1/4 | 22-5/8 | 22 | 15 | 15 | 27-1/2 | 1-5/16 | 4-3/8 | 30 |
| 70 | 10 | 22-1/4 | 24-5/8 | 24 | 17 | 17 | 33-1/2 | 1-5/16 | 4-3/8 | 36 |
| 117 | 10 | 22-1/4 | 24-5/8 | 24 | 17 | 17 | 57-1/2 | 1-5/16 | 4-7/16 | 60 |
| 180 | 10 | 28 3/8 | 30-5/8 | 30 | 23 | 23 | 57-1/2 | 1-5/16 | 4-7/16 | 60 |

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