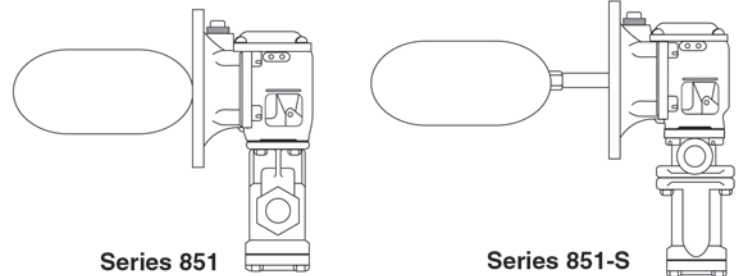


Series 851, 851-S and 847 Make-Up Water Feeders

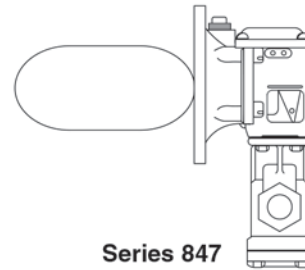
Applications:

For receiver tanks in industrial or commercial applications.



Series 851

Series 851-S



Series 847

WARNING



- Before using this product read and understand instructions.
- Save the installation instructions and these maintenance and replacement instructions for future reference.
- All work must be performed by qualified personnel trained in the proper application, installation, and maintenance of HVAC systems in accordance with all applicable codes and ordinances.
- This product can expose you to chemicals including Lead and Hexavalent Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov.



- Previous controls should never be installed on a new system. Always install new controls on a new boiler or system.

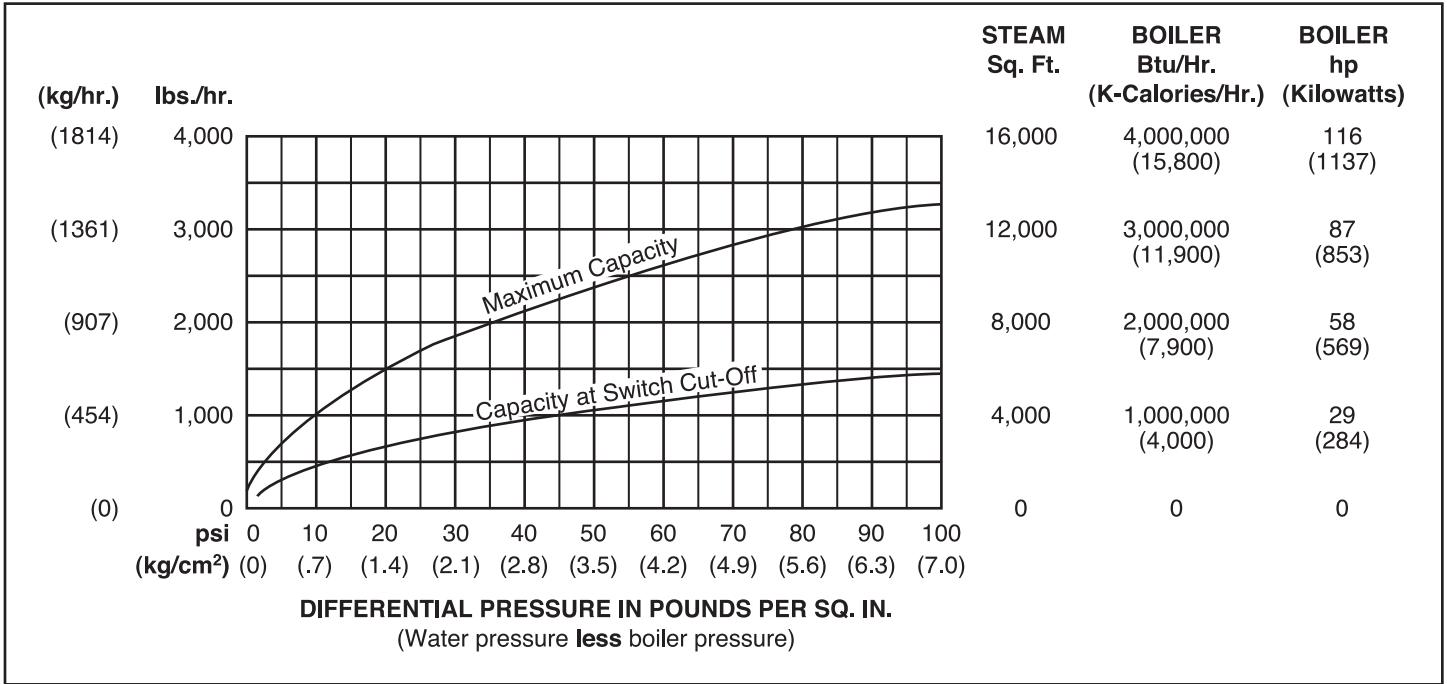
Failure to follow this warning could cause property damage, personal injury or death.

CAUTION:

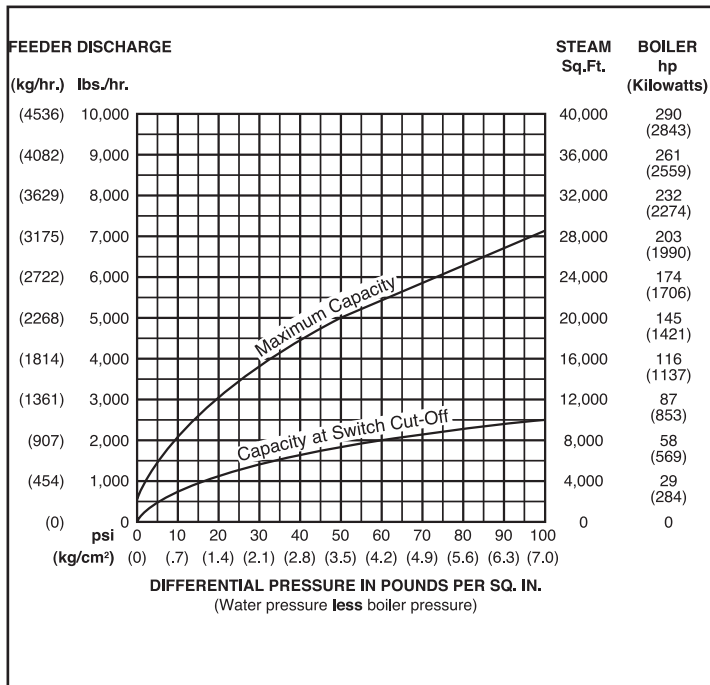
- A more frequent replacement interval may be necessary based on the condition of the unit at time of inspection. McDonnell & Miller's warranty is one (1) year from date of installation or two (2) years from the date of manufacture.

Capacities

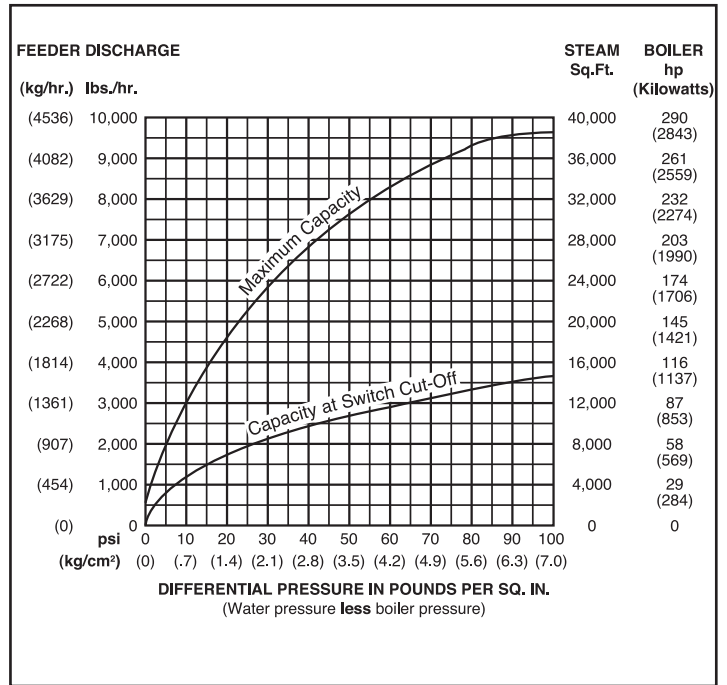
Series 847



Series 851



Series 851-S



Operation

Series	Max. Water Supply Pressure, psi	Max. Valve Pressure, psi
851	150	35
851-S	100	35
847	150	25

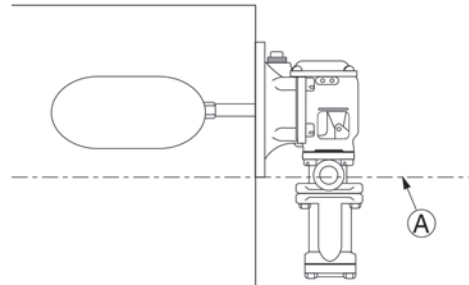
INSTALLATION –

TOOLS NEEDED:

One (1) pipe wrench and one (1) socket wrench.

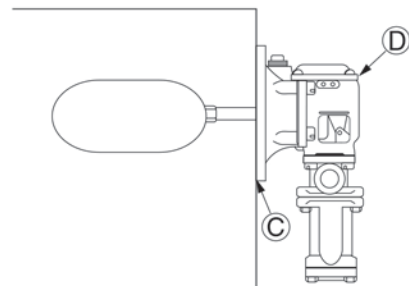
STEP 1 - Preparation

Drain the water in the receiving tank to a level which is below the control opening (A). Allow the boiler to cool to 80°F (27°C) and allow the pressure to release to 0 psi (0 bar).



STEP 2 - Install the Control Unit

Use a socket wrench to secure the feeder (D) to the receiver tank with the six 3/8" - 16 bolts through mounting flange (C) and tighten to 18 ft•lb (24 N•m).



Mounting Flange Dimensions

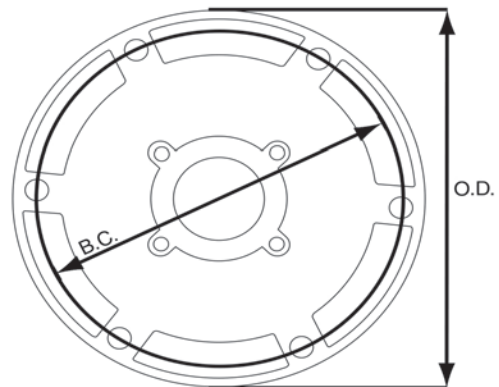
Series 851, 851-S and 847

Dimensions, in. (mm)

O.D.	B.C.	C	D	Float Diameter
6 ¹ / ₁₆ (170)	5 ³ / ₄ (146)	6	7 ¹ / ₁₆ (11.1)	4 ³ / ₄ (121)

"C" - number of mounting holes

"D" - size of mounting holes



STEP 3 - Install the Piping

Piping the Valve on Series 847 and 851

a. Follow the drawing to the right for piping the valve to boiler and city water supply. When piping the valve remember to leave room for servicing the valve. This will aid in troubleshooting the valve and piping in the future.

