Blow Down Piping

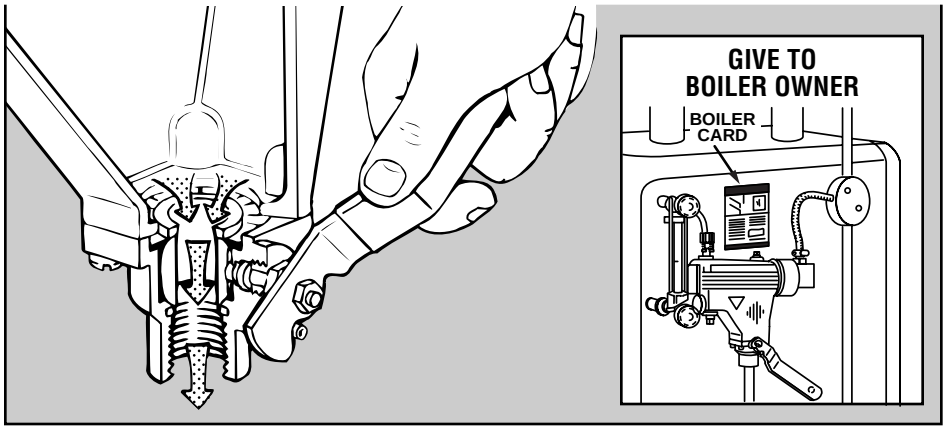
Series 67 and 47 Controls

Each of these controls includes a 14-B blow down valve. The valve is a full port quarter turn type which allows the control to be flushed periodically. The control should be blown down weekly during the heating season when installed on a residential boiler. The blow down should be done with the boiler operating which will not only flush out any sediment but test that the control shuts down the burner.

Aftermarket “Dirt Pocket” blow down valves should not be installed in place of or in addition to the 14-B valve. These usually consist of ‘off the shelf’ components that void all warranties when installed on a McDonnell & Miller control. Do not be fooled into believing that the control does not have to be blown down when a dirt pocket is installed. Sediment, rust and dirt can build up to render the float inoperative if the control is not blown down regularly.

IMPORTANT IMPORTANT

Be sure to flush your boiler water level control weekly during heating season. Failure to follow this procedure can cause the control to malfunction resulting in serious boiler damage.



The McDonnell & Miller Boiler Water Control installed on your boiler requires periodic maintenance. As boiler water circulates into the float chamber, sand, scale and other sediment may be deposited in the float chamber. While the chamber has been designed with a large accumulation bowl, it is necessary to flush the sediment from the chamber by blowing down the control so the accumulation of sediment does not interfere with the movement of the float in the control. Control must be flushed at least once a week during the heating season.

CAUTION: PROTECT YOURSELF. WHEN FLUSHING CONTROL, HOT WATER AND STEAM WILL FLOW OUT OF THE DRAIN PIPE.

When flushing control, note water level in gauge glass, add water, if necessary, and allow it to come up to temperature. While burner is on, open blow-down valve at bottom of control by rotating the handle counter clockwise about 1/4 turn to fully open the valve. Opening the blow-down valve also checks the cut-off operation. Float should drop shutting burner off, hot water and steam will flow out the drain pipe flushing away sediment.

CAUTION: IF BURNER DOES NOT SHUT OFF DURING BLOW-DOWN REPLACE CONTROL IMMEDIATELY.

Continue draining water, about a pailful, from control until water is clean. Manually close valve. Recheck gauge glass. If water level has dropped significantly, add water to the boiler to restore water level.

SPECIAL FLUSHING INSTRUCTIONS
FOR NEW BOILER INSTALLED IN OLD SYSTEM

Installation of new boiler may break loose a heavy accumulation of sediment and scale from old piping and radiators. it is extremely important to blow down your McDonnell & Miller Cut-off more frequently the first week.

First Week - 2 or 3 times
Thereafter - at least once a week.

McDonnell & Miller

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HANG THIS CARD AS CLOSE AS POSSIBLE TO THE CONTROL, OR REMOVE PROTECTIVE BACKING AND AFFIX CARD TO BOILER JACKET CLOSE TO CONTROL.