

TROUBLE SHOOTING BACK FLOW

Malfunction: Water is flowing out of the top of the Back-Flow.

Cause: The system was not drained early enough or was not drained properly before freezing temperatures caused damage to the plastic insides of the Back-Flow.

Remedy:

- 1) Unscrew the nut on top of the brass bell shaped top of the Back-Flow. Remove the bell shaped top piece.
- 2) Remove the plastic insides of the Back-Flow by unthreading the top plastic piece (Bonnet) *counter clockwise*.
- 3) Remove the three inside pieces and check for any fractures.
- 4) Take any broken pieces to your local hardware store and buy a replacement piece that will fit your Back-Flow.
- 5) When you install the new pieces into your Back-Flow make sure that the bonnet has a new o-ring and that a thin coat of silicone has been applied to it.
 - It is definitely to your advantage to try and replace the repair kit yourself, as our repair cost for this procedure can be from \$105 to \$135. Doing it yourself can save you a minimum of \$55.

Malfunction: Water is leaking out of any part *other* than the top of the Back-Flow.

Cause: Broken test cock or ball valve, due to freeze damage.

Remedy: Repairing this is a pretty extensive procedure requiring brazing and disassembling the Back-Flow. We suggest you call a qualified service technician for such a repair.