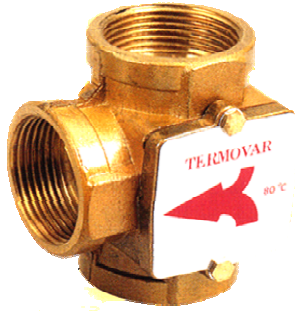


# TERMOVAR 4440A-3 TEMPERING VALVE



The TERMOVAR TEMPERING VALVE is an automatic thermally operated tempering valve for solid-fuel boiler installations with or without a storage tank.

The TERMOVAR ensures a minimum return water temperature to the heating boiler, which increases combustion efficiency, prevents tarring and considerably prolongs the lifetime for the solid-fuel boiler. The TERMOVAR eliminates the risk of destructive thermal shock to both steel and cast iron boilers. The TERMOVAR thermally operated tempering valves render a more effective burning and are therefore a necessary part of a solid-fuel boiler installation.

## Installation and Function

The thermostatic element in the TERMOVAR prevents return of cold return water to the boiler until the boiler reaches operating temperature. The TERMOVAR then gradually opens, blending hot boiler supply water with the cold return water. Once system temperature equalizes, the TERMOVAR opens fully to allow full flow to and from the heating load (the house and/or a heat storage system).

The TERMOVAR valve is to be mounted between the boiler and the heat load in the return pipe, as shown in the diagram below.

A circulator (designated C-3) must be installed between the TERMOVAR valve and the boiler. This circulator should be controlled by an aquastat that measures boiler water temperature or, when there is a heat storage tank being used, by a sensor that measures smoke box temperature.

