

DEPARTMENT OF LICENSES AND INSPECTIONS CODE INTERPRETATION No. P-0001		CODE OF GENERAL ORDINANCES OF THE CITY OF PHILADELPHIA <hr/> TITLE 4 — BUILDING CONSTRUCTION AND OCCUPANCY CODE
SUBJECT OF INTERPRETATION: HYDRONIC BOILER CONNECTIONS		REFERENCE CODE SECTION(S): P-804.1 P-804.5
ISSUED BY		
NAME: David L. Wismer, P.E., C.B.O. via Richard Zabinski, Chief, Mechanical Services	SIGNATURE	ISSUE DATE March 28, 2000
TITLE: Director of Planning and Code Development, Dept. of Licenses and Inspections		PAGE 1 OF 1

QUESTION:

Section P-804.1 of the Plumbing Code prohibits a cross connection between a potable water supply system and any other piping system. Section P-804.5 requires backflow prevention to be installed to protect the potable water supply.

Is a hydronic heating system considered another piping system for purposes of these two sections?

INTERPRETATION:

The piping system for a hydronic boiler shall be considered “another piping system” which requires protection of the potable water supply.

Where a hydronic boiler is newly installed or replaced, or a hydronic boiler feed line is replaced, a double check valve with intermediate atmospheric vent shall be installed on the water supply line that feeds the boiler.

Where conditioning chemicals are introduced into the system, an approved reduced pressure zone assembly backflow preventer shall be installed on the water supply line that feeds the boiler.