

1 AN ACT relating to mechanical systems.

2 ***Be it enacted by the General Assembly of the Commonwealth of Kentucky:***

3 ➔Section 1. KRS 236.060 is amended to read as follows:

- 4 (1) This chapter applies to all boilers, pressure vessels, and related piping in the
5 Commonwealth unless statutorily exempted.
- 6 (2) KRS 236.005 to 236.150 shall not apply to boilers or pressure vessels or related
7 piping under federal control.
- 8 (3) KRS 236.005 to 236.150 shall not apply to the following:
- 9 (a) Portable boilers or pressure vessels located on land dedicated to agricultural
10 use, as defined in KRS 100.111, and used solely for agricultural purposes;
- 11 (b) Boilers or pressure vessels located at any oil refineries;
- 12 (c) Steam or vapor boilers used for heating purposes carrying a pressure of not
13 more than fifteen (15) pounds per square inch gauge, and which are located in
14 private residences;
- 15 (d) Hot water heating boilers carrying a pressure of not more than thirty (30)
16 pounds per square inch gauge or hot water heaters which are located in private
17 residences;
- 18 (e) Any pressure vessels used as containers for liquefied petroleum gases and
19 subject to the jurisdiction of the Department of Housing, Buildings and
20 Construction under KRS Chapter 234;
- 21 (f) Pressure vessels used for transportation of compressed gases if constructed
22 and operated in compliance with specifications and regulations of another
23 state or federal authority;
- 24 (g) Pressure vessels containing air located on vehicles operating under the
25 regulations of another state or federal authority;
- 26 (h) Pressure vessels having an internal or external operating pressure of fifteen
27 (15) PSI or less;

- 1 (i) Single wall pressure vessels having an inside diameter, width, height, or cross-
2 section diagonal not exceeding six (6) inches;
- 3 (j) Any combination unit having an internal or external pressure in each chamber
4 not exceeding fifteen (15) PSI and differential pressure on the common
5 element not exceeding fifteen (15) PSI;
- 6 (k) Pressure vessels with a nominal water containing capacity of one hundred
7 twenty (120) gallons or less, to be used for domestic supply purposes, for
8 containing water under pressure, including those containing air, the
9 compression of which serves only as a cushion;
- 10 (l) Pressure vessels not exceeding the design pressure at the top of the vessel and
11 with no limitation in size, not exceeding the following:
- 12 1. Vessels having an internal or external pressure of fifteen (15) PSI (100
13 kilopascals); or
- 14 2. Combination units having an internal or external pressure in each
15 chamber of fifteen (15) PSI (100 kilopascals) and differential pressure
16 on the common elements not exceeding fifteen (15) PSI (100
17 kilopascals);
- 18 (m) Pressure vessels containing water heated by steam or other indirect means
19 when none of the following are exceeded:
- 20 1. Heat input of two hundred thousand (200,000) BTU/Hr.;
- 21 2. Water temperature of two hundred ten (210) degrees Fahrenheit; **or**
- 22 3. Water storage capacity of one hundred twenty (120) gallons;
- 23 (n) Coil type hot water boilers without a steam space and where no steam is
24 generated within the confines of the unit but where water flashes into steam
25 when released to atmospheric pressure by the operation of a manually
26 operated nozzle, unless one (1) of the following is exceeded:
- 27 1. Three quarter (3/4) inch inside diameter tubing or pipe size with no

- 1 drum or header attached;
- 2 2. Six (6) gallon water containing capacity; **or**
- 3 3. Three hundred fifty (350) degrees Fahrenheit water temperature;
- 4 (o) Water heaters, hot water supply boilers, or hot water storage tanks, which are
- 5 directly fired with oil, gas, or electricity, when none of the following
- 6 limitations are exceeded:
- 7 1. Heat input of two hundred thousand (200,000) BTU/Hr.;
- 8 2. A water temperature of two hundred ten (210) degrees Fahrenheit; **or**
- 9 3. A water containing capacity of one hundred twenty (120) gallons;
- 10 (p) Pressure vessels which may be classified as:
- 11 1. Pressure containers which are integral parts of components of rotating or
- 12 reciprocating mechanical devices such as pumps, compressors, turbines,
- 13 generators, engines, and hydraulic or pneumatic cylinders where the
- 14 primary design considerations, stresses, or both are derived from the
- 15 functional requirements of the device; or
- 16 2. Structures whose primary function is the transport of fluids from one
- 17 location to another within a system of which it is an integral part, that is,
- 18 piping system; or
- 19 (q) Pressure vessels ASME "UM" stamped~~[, registered with the national board,]~~
- 20 and which do not exceed the following:
- 21 1. One and one-half (1-1/2) cubic feet in volume and six hundred (600) PSI
- 22 MAWP;
- 23 2. Three (3) cubic feet in volume and three hundred fifty (350) PSI
- 24 MAWP;~~[or]~~
- 25 3. Five (5) cubic feet in volume and two hundred fifty (250) PSI MAWP;
- 26 **or**
- 27 **4. Compressed air receivers of one hundred twenty (120) gallons or less.**

- 1 (4) This chapter shall apply only to piping associated with boilers and pressure vessels
2 operating in the Commonwealth in the following applications and fluid services:
- 3 (a) All boiler external piping, conforming to ASME B31.1;
 - 4 (b) Non-boiler external piping, including steam, boiler feedwater, blowdown,
5 vents, drains, and chemical injection outside the boiler boundary conforming
6 to ASME B31.1 or B31.3;
 - 7 (c) All building services piping conforming to ASME B31.9;
 - 8 (d) All compressed air piping emanating from a pressure vessel conforming to
9 ASME B31.1, B31.3, or B31.9;
 - 10 (e) All hot oil piping conforming to ASME B31.1 or B31.3; and
 - 11 (f) All anhydrous ammonia piping conforming to ASME B31.3 or B31.5;
 - 12 ~~(g) All cryogenic service piping conforming to ASME B31.3 or B31.5;~~
 - 13 ~~(h) All hydrogen piping used for vehicle transportation fuel conforming to ASME~~
14 ~~B31.12;~~
 - 15 ~~(i) All piping associated with a pressure vessel for human occupancy conforming~~
16 ~~with ASME B31.1 or B31.3; and~~
 - 17 ~~(j) Refrigeration service piping in safety group A3, B1, B2, and B3 fluids as~~
18 ~~defined by ASME and conforming to ASME B31.5].~~
- 19 (5) Piping associated with boilers and pressure vessels exempted in subsection (2) of
20 this section shall conform to the appropriate ASME piping code. The owner of the
21 piping shall assume all oversight and responsibilities as established in the
22 appropriate ASME piping code.