ARTICLE KR-4
CERTIFICATION MARK

KR-400  MARKING

KR-401  MARKING OF PRESSURE RELIEF VALVES

Each pressure relief valve shall be plainly marked by the Manufacturer or Assembler with the required data in such a way that the markings will not be obliterated in service. The markings shall be located on the valve or a corrosion-resistant metal plate or plates securely fastened to the valve. Small valves [less than NPS 1/2 (DN 15) inlet] may have the nameplate attached with a chain or wire. Nameplates may be attached with pressure-sensitive acrylic adhesive systems in accordance with Mandatory Appendix 5. The marking shall include:

(a) the name or identifying trademark of the Manufacturer and/or Assembler, as appropriate, preceded by the words “Certified by”

(b) Manufacturer’s or Assembler’s design or type number

(c) valve inlet size, in. (mm)

(d) set pressure, ksi (MPa)

(e) flow capacity, SCFM (m³/hr) of air (60°F and 14.7 psia) (16°C and 101 kPa), or gal/min (L/min) of water at 70°F (21°C), if the pressure relief valve is to be tested to have a certified flow capacity; see KR-122 and KR-123(b). If the pressure relief valve is not flow capacity tested and certified, the flow capacity shall be stamped “NONE.”

NOTE: In addition, the Manufacturer/Assembler may indicate the flow capacity in other fluids (see KR-530).

(f) year built or, alternatively, a coding may be marked on the valve such that the valve Manufacturer/Assembler can identify the year built

(g) Certification Mark as shown in Figure KR-401 with the UV3 Designator placed under the mark. A marking method other than the stamp issued by the Society may be used provided it is acceptable to the ASME-designated organization.

(h) Use of the Certification Mark with UV3 Designator by an Assembler shall indicate the use of original, unmodified parts in strict accordance with instructions of the Manufacturer of the valve. The nameplate marking shall include the name of the Manufacturer and the Assembler, and the Certification Mark with UV3 Designator shall be that of the Assembler.

KR-402  MARKING OF RUPTURE DISK DEVICES

Every rupture disk shall be plainly marked by the Manufacturer in such a way that the marking will not be obliterated in service and will not interfere with the function of the disk. The marking may be placed on the flange of the disk or on a metal tab permanently attached thereto. The marking shall include the following:

(a) the name or identifying trademark of the Manufacturer

(b) Manufacturer’s design, type number, or drawing number

(c) lot number

(d) material

(e) size, in. (mm)

(f) marked burst pressure, ksi (MPa)

(g) specified disk temperature, °F (°C)

(h) Certification Mark as shown in Figure KR-401 with “UD3” Designator

(i) year built, or alternatively, a coding may be marked such that the rupture disk device Manufacturer can identify the year the rupture disk device was assembled and tested

(j) design, type number, or drawing number of the intended Manufacturer’s standard rupture disk holder

Item (a), (b), (d), (e), (h), and (j) shall also be marked on the rupture disk holder.

For rupture disks that are fully enclosed in the holder or the system it protects, the disk may be marked only with the lot number and shall be packaged and shipped with an associated metal tag marked in accordance with (a) through (j).

Figure KR-401
Official New Certification Mark to Denote the American Society of Mechanical Engineers’ Standard