ASME CSD-1 Interpretations

Replies to Technical Inquiries
January 2001 — June 2001

FOREWORD

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This list of interpretations refers to the following CSD-1 editions:

First edition	Issued April 29, 1977	Fifth edition	Issued June 30, 1995
Second edition	Issued December 31, 1982	1a addenda	Issued July 31, 1996
1a addenda	Issued November 15, 1984	1b addenda	Issued December 20, 1996
Third edition	Issued February 15, 1989	Sixth edition	Issued April 14, 1998
1a addenda	Issued February 15, 1990	1a addenda	Issued March 10, 2000
1b addenda	Issued December 1, 1990	1b addenda	Issued November 30, 2001
Fourth edition	Issued June 15, 1992	Seventh edition	Issued April 15, 2002
1a addenda	Issued September 30, 1994		

There were no inquiries prior to 1988.

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Interpretation: 01-01

Subject: CSD-1-1998 up to and including CSD-1a-1999; CW-310(a) and CW-410(a)

Date of Issue: June 15, 2001

Question (1): Do the additional operating control devices permitted in CW-310(b) have to be listed in accordance with the requirements in CW-310(a)?

Reply (1): No.

Question (2): Do the additional operating control devices permitted in CW-410(b) have to be listed in accordance with the requirements in CW-410(a)?

Reply (2): No.

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ASME CSD-1 Interpretations

Replies to Technical Inquiries
November 1996 — May 1997

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Interpretation: 96-04

Subject: CSD-1-1995, CF-150(d) Leak Test Valves

Date of Issue: November 19, 1996

Question: In accordance with ASME CSD-1, for boilers having input in excess of 400,000 to 2,500,000 Btu/hr and equipped with a single control body housing two safety shutoff valves, is it permissible to use only one manually operated leak test valve downstream of the single control body and dispense with the requirement of a second leak test valve after the upstream safety shutoff valve?

Reply: No.

Interpretation: 96-04R

Subject: CSD-1-1995, CF-150(d) Leak Test Valves

Date of Issue: October 29, 1997

NOTE: This is a revision of Inquiry 96-04.

Question: In accordance with ASME CSD-1, for boilers having input in excess of 400,000 to 2,500,000 Btu/hr and equipped with a single control body housing two safety shutoff valves and having no means to independently energize and test each of the two safety valves, is it permissible to use only one manually operated leak test valve downstream of the single control body and dispense with the requirement of a second leak test valve after the upstream safety shutoff valve?

Reply: No.

Interpretation: 96-05

Subject: CSD-1-1995, CG-130 Exclusions

Date of Issue: November 19, 1996

Question: Is an ASME Code HWL stamped, closed vessel with controls and devices to provide potable water for external use at ≤ 210 °F and ≤ 160 psig, covered by the CG-130 exclusions and therefore exempt from CSD-1 requirements? The vessel has a nominal heat input of 425,000 Btu/hr with a maximum allowable input capacity of 725,000 Btu/hr.

Reply: Yes, water heaters are exempt. See also Inquiry 92-02.

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Interpretation: 97-01

Subject: CSD-1-1995 up to and including CSD-1a-1996, CW-310 Requirements for Pressure Controls for Steam Boilers

Date of Issue: May 23, 1997

Question (1): Are there any exceptions to, or interpretations of, the above referenced section, or any part of your standard, that would permit the specifying of a UL 508 pressure switch in a pressure control application?

Reply (1): No.

Question (2): When a jurisdiction has adopted both the ASME Boiler and Pressure Vessel Code and CSD-1, does one of these standards have precedence over the other?

Reply (2): No. In jurisdictions where both the ASME Boiler and Pressure Vessel Code and CSD-1 have been adopted, the requirements of both must be satisfied. If a conflict exists between the ASME Boiler and Pressure Vessel Code and CSD-1, consult the authority having jurisdiction.

Question (3): Does Paragraph D of the Foreword section in UL 353 mean that we are covered?

Reply (3): The interpretation of UL's Standards is outside the scope of the CSDAFB Committee. Please contact Underwriters Laboratories, Inc. directly.

Interpretation: 97-02

Subject: CSD-1-1995 up to and including CSD-1b-1996, CE-110(a) Electrical Requirements, General

Date of Issue: May 23, 1997

Question: The installation is a 1,500,000 btu input, gas-fired boiler. CG-110, second paragraph, requires a gas-fired boiler of "less than" 400,000 btu input to comply with one of the following paragraphs. Paragraph (a) calls for all gas-fired boiler burner units to comply with CE-110(a).

(1) Do boilers of between 400,000 btu input and 1,500,000 btu input also have to comply with this requirement?

(2) If so, then why is the distinct reference made to boilers of less than 400,000 complying?

Reply: Yes. Boilers having heat inputs of 400,000 btu/hr or less shall meet the requirements of the standard in accordance with CG-110.

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Interpretation: 96-01A

Subject: ASME CSD-1-1992 up to and including CSD-1b-1994; para. CW-210

Date Issued: June 17, 1996

Question: Does a temperature sensing device that is listed and certified by UL 873 suffice for this requirement in lieu of a flow switch?

Reply: No. See para. CG-310.

Interpretation: 96-01B

Subject: ASME CSD-1-1992 up to and including CSD-1b-1994; para. CG-130

Date Issued: June 17, 1996

Question: A piece of equipment is built to ANSI Standard Z2110.3, Volume 3 (Water Heaters), that is a copper finned tube design, atmospheric apparatus with a factory mounted circulator. Does para. CG-130 of ASME CSD-1 apply to this?

Reply: See reply to Interpretation 92-02.

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Interpretation: 96-02A

Subject: ASME CSD-1-1995; para. CG-130

Date Issued: June 17, 1996

Question: Does CSD-1 apply to steam or hot water boilers below 367 hp?

Reply: No. See para. CG-130, Part CW, and the definition of boilers.

Interpretation: 96-02B

Subject: ASME CSD-1-1995; paras. CW-310(a), CW-110(a) and CW-410(a)

Date Issued: June 17, 1996

Question: Do *all* controls (i.e., modulating operational controls, lead-lag sequencing controls, etc.) require conformance to UL 353 *and* acceptance by a nationally recognized testing agency, or just "primary safety" and "limit safety" controls?

Reply: Please rephrase your question to make it more specific. Refer to page vii of CSD-1, which states that the inquiry should be clear and unambiguous.

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Interpretation: 96-03

Subject: ASME CSD-1-1995; paras. CF-310(d), CF-510(c), and CF-710

Date Issued: June 17, 1996

Question (1): If a primary safety control is in the lockout mode and a power interruption occurs, is it required that the control return to the lockout mode when power is restored?

Reply (1): Yes.

Question (2): If a primary safety control is in the normal "run" mode and a power interruption occurs, is it permissible to allow the burner to recycle (see definition) when power is restored?

Reply (2): Yes.

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Interpretation: 94-04

Subject: ASME CSD-1-1992 including CSD-1a-1993; para. CW-130(c)

Date Issued: May 17, 1995

Question (1): In a jurisdiction where both standards (CSD-1 and Section IV) are code, are valves in the equalizing piping of a low-water cutoff acceptable?

Question (2): In a jurisdiction where CSD-1 has not been adopted, are valves in the equalizing piping of a low-water cutoff acceptable, as maintained in the attached correspondence from Pennsylvania?

Reply (1) & (2): It is up to the jurisdiction.

Interpretation: 95-02

Subject: ASME CSD-1-1992 up to and including CSD-1b-1994; Definitions

Date Issued: November 22, 1995

Question: Would a primary safety control device that requires turning power off then back on to reset meet the intent of "manual procedure to restart the equipment" in the definition *lockout*?

Reply: See reply to Interpretation 90-04.

Interpretation: 95-04

Subject: ASME CSD-1-1992 up to and including CSD-1b-1994; para. CF-110(a)(1), (a)(2), (a)(3)

Date Issued: November 22, 1995

Question: Is a burner that bears a label or listing by a nationally recognized testing agency, firing at rates in excess of 400,000 Btuh exempt from the remaining requirements of Part CF?

Reply: No.

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ASME CSD-1 Interpretations

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Interpretation: 94-03

Subject: ASME CSD-1-1992 and CSD-1a-1993, paras. CW-310(f) and (g), Requirements for Pressure Controls for Steam Boilers

Date Issued: May 25, 1994

Question (1): When manifolding two or more pressure controls to a common source, is the required ferrous pipe size NPS $^3/_4$ when the manifold is less than 5 ft (1.5 m)?

Reply (1): Yes.

Question (2): When manifolding two or more pressure controls to a common source, is the required nonferrous pipe size NPS $^1/_2$ when the manifold is less than 5 ft (1.5 m)?

Reply (2): Yes.

Question (3): Is the statement in (f) pertaining to NPS $^1/_2$ for ferrous to be used as a minimum size due to the concern of internal rust accumulation effecting the pressure controls?

Reply (3): Yes.

Interpretation: 94-04A

Subject: ASME CSD-1-1992, CSD-1a-1993

Date Issued: May 31, 1994

Question: Does an atmospheric gas boiler that has been certified to ANSI Z21.13 comply with the intent of the Code when:

(a) the input is above 400,000 Btuh to 2,500,000 Btuh, and;
(b) the safety control is part of the ANSI Z31.13 certification, and;
(c) the safety control only monitors the pilot as listed in Table CF-2, and;
(d) the safety control is reset automatically?

Reply: No.

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Interpretation: 94-05

Subject: ASME CSD-1-1992, CSD-1a-1993; paras. CF-200, CF-210, and Tables CF-1 and CF-2

Date Issued: May 31, 1994

Question: Can boiler units or fuel fired burners having inputs up to 5,000,000 Btu/hr which are listed and/or labeled by a nationally recognized testing agency, utilize a factory designed and installed mechanical stop to prevent the damper from going below the 60% air flow position, and thus be exempt from other means of proving damper opening?

Reply: Yes.

Interpretation: 94-06

Subject: ASME CSD-1-1992, CSD-1a-1993, para. CF-610, Low-Fire Start

Date Issued: May 31, 1994

Question: Will a *burner* that bears a label or listing by a nationally recognized testing agency, firing at rates in excess of 2,500,000 Btuh (732 678 W) (gas-fired), or a maximum nameplate fuel input in excess of 20 gph (75.7 L/h) (oil-fired) be acceptable under para. CF-610?

Reply: No.

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0759670 0565235 658

Interpretation: 94-08

Subject: ASME CSD-1-1992 and CSD-1a-1993, Rule CW-120(b)(2), Manual Reset of Second Low-Water Cutoff

Date Issued: September 2, 1994

Question: On gravity return steam systems would a manual reset on the second low-water cutoff that functions at all times meet the intent of CW-120(b)(2)?

Reply: Yes.

Interpretation: 94-09

Subject: ASME CSD-1-1992 including CSD-1a-1993, para. CW-310, Requirements for Pressure Controls for Steam Boilers

Date Issued: December 1, 1994

Question: Does a $^1/_4$ in. NPT ferrous siphon meet the requirements of CW-310 providing that all other requirements regarding materials and connecting piping are satisfied?

Reply: Yes.

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0759670 0565236 594

Interpretation: 95-01

Subject: ASME CSD-1-1992 up to and including CSD-1b-1994; para. CR-110(f), Electric Boilers 115 kW and Smaller

Date Issued: February 10, 1995

Question: Is it the intent of the statement in CR-110(f), "with no further requirements," to mean that CR-200 and CR-300 do not apply to UL listed electric boilers 115 kW and smaller complying with UL 834?

Reply: Yes.

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ASME CSD-1 Interpretations — No. 4

Replies to Technical Inquiries
May 1991 – May 1992

FOREWORD

This publication includes written replies issued in the year indicated by the Secretary, speaking for the ASME CSDAFB Committee, to inquiries concerning interpretations of technical aspects of ASME CSD-1.

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Interpretation: 91-07

Subject: ASME CSD-1-1988 With Addenda Through 1b-1990, CE-130; Pump Motors — Requirements

Date Issued: November 15, 1991

Question (1): In accordance with ASME CSD-1, is the boiler condensate return system considered part of an automatically fired boiler?

Reply (1): No.

Question (2): Do pump motors of a boiler condensate return system which are energized by the boiler controls fall under ASME CSD-1, CE-130?

Reply (2): No.

Interpretation: 91-08

Subject: ASME CSD-1-1988 With Addenda through CSD-1b-1990, CW-130; Water Level Controls

Date Issued: December 16, 1991

Question: In accordance with ASME CSD-1, CW-130(e), can a spring loaded, three-way ball valve that springs back to a normal position for flow between the low-water cutoff device and boiler equalizing piping, be used at the lower transition in the low-water cutoff device equalizing piping? The spring loaded three-way ball valve is installed in such a manner that when the valve is closed to lower equalizing piping the column shall be open to drain.

Reply: Yes.

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Interpretation: 92-02

Subject: ASME CSD-1, All Editions, Scope of CSD-1

Date Issued: May 15, 1992

Question: Does the CSD-1 Standard apply to gas-fired water heaters as defined in the Definitions Section of CSD-1?

Reply: No.

Interpretation: 93-01

Subject: ASME CSD-1-1988, paras. CW-210(a); and CF-210(a)(1) and (a)(2)

Date Issued: November 9, 1993

Question (1): Is a "Safety Related Control Employing Solid State Device" (UL 991) an acceptable substitute for a Limit Control (UL 353)?

Reply (1): No.

Question (2): Is the 60% damper opening required if a continuous running combustion air blower is used?

Reply (2): Further information must be furnished so that the Committee can accurately answer the question. Please specify input rate, purge rate, and boiler size.

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Interpretation: 93-02

Subject: ASME CSD-1, All Editions, Rebuilt/remanufactured controls and safety devices

Date Issued: November 9, 1993

Question: What is the rationale of the CSDAFB Main Committee for not developing a position with regard to the use of rebuilt/remanufactured controls and safety devices and including the position in CSD-1?

Underwriters Laboratories Inc., has taken the position that a control which has been rebuilt to other than the original manufacturer's specifications would not be eligible for use in listed end-use equipment without further investigation of the control to confirm it meets the requirements of UL 372 (Primary Safety Controls for Gas and Oil-Fired Appliances).

Further, some jurisdictional authorities have established a position with regard to rebuilt/ remanufactured controls and safety devices in that they must be listed/certified by a nationally recognized testing organization.

Reply: Yes. See also Interpretation 90-02.

Interpretation: 94-01

Subject: ASME CSD-1-1992 With the 1a-1993 Addenda; CF-210(a)(2)

Date Issued: February 14, 1994

Question (1): For boiler units having inputs in excess of 2,500,000 Btuh, does the burner damper have to be physically open, or open and close in the prepurge cycle?

Reply (1): Yes.

Question (2): Does the damper operation have to be proven electrically such as by means of an end switch?

Reply (2): Yes.

Question (3): Does this mean you must have air flow?

Reply (3): Yes.

Question (4): Does airflow have to be proven electrically by means of an airflow switch?

Reply (4): Yes.

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ASME CSD-1 Interpretations — No. 3

Replies to Technical Inquiries
April 1990 - April 1991

FOREWORD

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ASME CSD-1*INT NO.*3 ** 0759670 0550607 962

Interpretation: **90-04**

Subject: ASME CSD-1-1988 With the 1a-1989 Addenda; Safety Control Device — Manual Reset

Date Issued: October 12, 1990

Question: Would a safety control device that requires turning power off then back on to reset meet the intent of manual reset?

Reply: No.

Interpretation: **90-05**

Subject: ASME CSD-1-1988 Edition With the 1a-1989 Addenda, CF-190; Vent Line — Pipe Threaded Connection

Date Issued: October 12, 1990

Question: Can a combination diaphragm gas valve/pressure regulator which does not require atmospheric air pressure to balance a diaphragm or other similar device be exempted from the requirement in CF-190(a) for a pipe threaded connection for a vent line?

Reply: Yes.

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Interpretation: 91-01

Subject: ASME CSD-1-1988, Table CF-2; Action on Flame Failure

Date Issued: April 15, 1991

Question: In accordance with ASME CSD-1, must boilers with inputs above 400,000 to 2,500,000 Btuh equipped with atmospheric gs burners meet Table CF-2 action on flame failure, regardless of any additional safety switches to the fuel train?

Reply: Yes.

Interpretation: 91-02

Subject: ASME CSD-1-1988 With Addenda Through 1b-1990, Tables CF-1 and CF-3; Combustion Air — Proving Devices

Date Issued: April 15, 1991

Question (1): Does ASME CSD-1, Table CF-1 or CF-3 require a particular type or quantity of air flow proving devices?

Reply (1): No.

Question (2): In accordance with ASME CSD-1, Table CF-1 or CF-3, is a fan motor starter interlock in conjunction with a pressure switch monitoring static fan discharge pressure an acceptable way to prove air flow?

Reply (2): No.

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Interpretation: 91-03

Subject: ASME CSD-1-1988 With Addenda Through 1b-1990, CW-130 and CR-210; Hot Water Heating Boiler — Low-Water Fuel Cutoff

Date Issued: April 15, 1991

Question (1): In accordance with ASME CSD-1, CR-210(c), what is your definition of hot water boiler units? Does it mean hot water heating boiler?

Reply (1): Yes, see CW-130(a).

Question (2): Does ASME CSD-1 require that all hot water heating boilers regardless of capacity require a low-water fuel cutoff?

Reply (2): No, see CW-130(a).

Interpretation: 91-04

Subject: ANSI/ASME CSD-1-1982 With the 1a-1984 Addenda, CF-180 and Fig. CF-1; Safety Shutoff Valves — Requirements

Date Issued: April 15, 1991

Question (1): In accordance with ASME CSD-1, CF-180, for boiler units having input in excess of 400,000 to 2,500,000 Btuh the main burner supply shall be equipped with at least two valves in series. In CSD-1, Fig. CF-1 only one valve is shown. Which is correct?

Reply (1): Figure CF-1 is incorrect. Two valves in series are required as is stated in CF-180(a)(1). For your information a change to the figure has been approved by the Committee.

Question (2): In accordance with ASME CSD-1, is it permissible to use one valve that incorporates a valve seal overtravel (proof of closure) interlock for boiler units having inputs in excess of 400,000 to 2,500,000 Btuh, as permitted in CF-180(a)(2), in lieu of the two valves in series now required in CF-180(a)(1)?

Reply (2): Yes, see CF-180(a) which states, "The burner supply line shall be equipped as indicated below for the applicable input classification or greater input classifications."

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Interpretation: **91-05**

Subject: ASME CSD-1-1988 With Addenda Through 1b-1990, CF-180; Safety Shutoff Valves — Requirements

Date Issued: April 15, 1991

Question: In accordance with ASME CSD-1, is it permissible to use one valve that incorporates a valve seal overtravel (proof of closure) interlock for boiler units having inputs in excess of 400,000 to 2,500,000 Btuh, as permitted in CF-180(a)(2), in lieu of the two valves in series now required in CF-180(a)(1)?

Reply: Yes, see CF-180(a) which states, "The burner supply line shall be equipped as indicated below for the applicable input classification or greater input classifications."

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ASME CSD-1 Interpretations — No. 2

Replies to Technical Inquiries
April 1989 – April 1990

FOREWORD

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Interpretation: 89-1

Subject: Modular Boilers

Date Issued: September 20, 1989

Question: In a modular low-pressure steam boiler, may the following controls be used to satisfy the requirements of CSD-1, CW-120 and Part CR:

(a) Each module, which individually satisfies the fuel input limitations of Part CR, shall have one automatic low water fuel cutoff or combined feeder/cutoff device.

(b) Each modular boiler, consisting of a number of modules satisfying (a) above, shall have at least one automatic low water fuel cutoff mounted in a water column, which is interconnected to all modules, without intervening valves and functions at a lower level than the controls on the modules in (a) above. Functioning of this control shall cause a safety shutdown (lockout) requiring manual reset.

(c) All other requirements of CW-120 shall be met except as noted in (a) and (b) above concerning the number and functions of the low water level controls.

Reply: Yes, provided that the safety shutdown (lockout) will cut off the fuel supply to all modules.

Interpretation: 89-2

Subject: Safety Shutdown

Date Issued: September 20, 1989

Question (1): Is it the intent of CSD-1 to require a control on a power gas burner in the 400,000–2,500,000 Btuh range which will cause a safety shutdown or recycle once on loss of combustion air?

Reply (1): Yes.

Question (2): Does a control meet this requirement if it shuts off the flame? Allow the blower motor to operate indefinitely as long as the boiler has a call for heat? The control timer does not cycle to indicate a trial for reignition? When the combustion air is restored the timer starts to cycle and the boiler will ignite without the control being reset?

Reply (2): Yes.

Interpretation: 89-3

Subject: Safety Shutdown

Date Issued: September 20, 1989

The inquirer was directed to the reply to Interpretation 89-2.

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Interpretation: **89-4**

Subject: CW-210

Date Issued: April 5, 1990

Question: Is it the intent of CW-210 to require a safety shutdown if the flow or temperature sensing devices function, given the reference to CW-110(e)?

Reply: No. It requires a shutdown only, not a safety shutdown.

Interpretation: **89-5**

Subject: Testing

Date Issued: April 5, 1990

Question (1): Please define "specified conditions" and "practical." As an example, "specified conditions" could be those specifications written by an owner for a particular use, or it could be the boiler design maximum operating condition, or something else. "Practical," to one manufacturer, may mean testing all devices electrically, only because they do not possess the facilities to do a complete fire test with fluid circulating in the boiler, etc. However, another manufacturer may have the means to actually do a complete fire test. Each one has done what they consider to be practical.

Reply (1): CG-440 uses the word "practicable," which is defined as "possible to practice or perform." It should be noted that CG-500 requires a report of the type and extent of operational testing performed by both the manufacturer and installer to be available to the authorized inspection agency or inspector.

Question (2): Can the low-water cutoff be tested by the boiler manufacturer by electrical/mechanical means, i.e., hand move the float and verify that electrical switches function properly; or does the boiler need to be filled and drained to assure proper operation of low-water cutoff device(s)?

Question (3): Can the gas train on a boiler be tested by the manufacturer by means of shop compressed air at the same pressure as the gaseous fuel intended for end usage?

Question (4): Can the flame safeguard be tested on a test simulator approved by the flame safeguard manufacturer?

Question (5): Can an ultraviolet or an infrared flame sensor be tested by a flame produced by a butane lighter?

Reply (2)–(5): CSD-1 does not specify the methods for these devices. It is up to the manufacturer to specify appropriate test methods (see CG-420) and report on it (see CG-500).

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Interpretation: 90-1

Subject: Effective Date; Appendix A

Date Issued: February 12, 1990

Question (1): Should proposed changes to CSD-1 be enforced prior to publication?

Reply (1): No. Proposed changes distributed through the public review process have not been formally approved as an American National Standard. Once they are approved and published, changes become effective 1 year after the date of issuance but may be used voluntarily from the date of issuance.

Question (2): What portions of Appendix A indicate where compliance with Z21.13 constitutes compliance with CSD-1 and vice versa?

Reply (2): Appendix A lists the major differences between CSD-1 and Z21.13. The only difference where compliance with Z21.13 does not constitute compliance with CSD-1 is on the low-water cutoff device. Wording to clarify this is under consideration by the Committee.

Interpretation: 90-2

Subject: Rebuilt Controls

Date Issued: April 5, 1990

Question (1): Do primary controls which have been altered by individuals or companies which do not have the sanction of a nationally recognized testing agency meet the criterion for CF-310 even though the original manufacturer approvals and name are left on the controls?

Reply (1): No.

Question (2): Do primary controls which have been altered by companies who advertise as rebuilders, *do* remove *all* approval labels and manufacturer's names, then add a sticker "This equipment was not rebuilt by the original manufacturer," meet the criterion for CF-310?

Reply (2): No.

Question (3): Does "listed by a nationally recognized testing agency" mean that a company meeting the testing agency's criterion would be able to attach a label bearing the symbol of such an approving agency?

Reply (3): CG-310 requires each control and safety device to be accepted *for the intended service* by a nationally recognized testing agency.

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Interpretation: **90-3**

Subject: CW-520; Appendix A

Date Issued: April 5, 1990

Question (1): Must all hot-water supply boilers have a temperature relief valve?

Reply (1): No.

Question (2): Must a hot-water supply boiler and system that is designed to operate at or below 210°F have a temperature relief valve?

Reply (2): Yes.

Question (3): Can this temperature relief valve be in combination with the pressure relief valve?

Reply (3): Yes.

Question (4): Does the statement in CW-520(b) "or within the top 6 in. of the system's hot-water storage tank" mean that when a temperature relief valve is used by itself it must be installed in the hot-water storage tank, and be within the top 6 in.?

Reply (4): Yes.

Question (5): Would question number four also apply when using a combination pressure–temperature relief valve?

Reply (5): Yes, provided CW-520(a) has been met.

Question (6): If the reply to questions number four and five is yes, would the hot-water supply boiler require a safety relief valve mounted directly on the boiler and a combination valve (if used) mounted in the system, or may a combination pressure–temperature relief valve be installed directly on the boiler and satisfy both requirements?

Reply (6): Either approach is acceptable.

Question (7): CW-520(c) specifies that a temperature relief valve or combination temperature relief valve be rated, tested, and installed in accordance with Z21.22. Does Z21.13 as referenced in Appendix A (comparison of CSD-1 and Z21.13 standards) also include safety and safety relief valves, and temperature relief valves as required in CW-520?

Reply (7): This question should be directed to the committee responsible for Z21.13.

Question (8): Appendix A, first paragraph, states that Z21.13 requires the installation instructions accompanying a boiler to refer the installer to CSD-1 where jurisdictions require that the installation conform to CSD-1. Was the above statement intended to inform the installer that the jurisdiction has adopted CSD-1 as a requirement, and that the CSD-1 Standard would be the governing standard for installations?

Reply (8): The comparison in Appendix A is presented for informational purposes only. This statement does not imply that a specific jurisdiction has adopted CSD-1 as a requirement. Check with the local enforcing authority.

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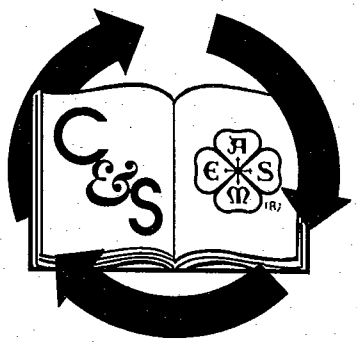

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ASME CSD-1 Interpretations — No. 1

Replies to Technical Inquiries
February 1989–April 1989

FOREWORD

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Interpretation: **88-2**

Subject: Table CM-1

Date Issued: April 5, 1989

Question: Does CSD-1 require the Authorized Inspector to witness or perform the periodic checks listed in Table CM-1?

Reply: No. The periodic checks listed in Table CM-1 are intended to be witnessed or performed by the boiler operator or a qualified service technician.

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