



CCE COORDINATION BULLETIN

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**INFORMATION REQUIRED FOR LISTING ON 3-A SYMBOL AUTHORIZATION
CERTIFICATES RELATING TO EQUIPMENT COVERED BY
3-A STANDARD 85-03 FOR DOUBLE-SEAT MIXPROOF VALVES**

EFFECTIVE APRIL 28, 2014

The following guidance shall be used by the CCE when performing TPV evaluations. This guidance is effective immediately upon receipt and shall be used until revoked or included in a *TPV Manual* update.

3-A Standard 85-02 has been revised and is now identified as 3-A Standard 85-03. The revision includes the requirement for valve fabricators to supply the means necessary to detect valve seat positions and with the added capability of being capable of providing electrical feedback indicative of each valve seat position. This electrical feedback is intended to be suitable for interfacing the valve with automation or control systems. The "means necessary" usually involves the application of a control module or control top that is physically mounted on the valve actuator. Alternatively, this could include the mounting of Position Detecting Devices (Switches or Sensors) on the valve actuator.

Excerpts from Standard 85-03 for reference:

D14.1 The two blocking valves seats shall be position detectable (capable of interrupting an electrical signal when either seat is out of position by more than 1/16in.) (1.59mm) or the exception in D14.2.1.2 is applied.

D14.1.1 Valve seat position detection shall require the valve manufacturer to supply the devices necessary to detect the valve seat positions and movements within the criteria of Section D14.1, provided further that the devices shall be capable of providing electrical feedback to external automation to indicate each valve seat position.

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This bulletin is intended to guide the CCE to evaluate the functionality of the control top or valve seat position detection sensors provided by the valve fabricator to satisfy the criteria established in Sections D14.1 and D14.1.1.

The TPV evaluation shall include:

- The verification of **each** type of control top device intended to be offered for use with **each** double seat valve type covered by the 3-A Symbol Authorization,
- The verification that the device(s) is/are capable of detecting movements of less than 1/16 inch (1.59 mm) for **each** valve seat., and
- The verification that only appropriate, conforming, and supported components are used.

The TPV Report and the resulting 3-A Symbol Certificate shall list each type of control top or position detecting device evaluated and found capable of satisfying the criteria of the standard. Furthermore, if a specific program, setting, or parameter is required by the control top or position detecting devices, this information shall also be listed.

The result of this process will enable a Regulatory Agency to verify from the searchable database at www.3-A.org that equipment or components found in use have been evaluated and found in conformity. Conversely, valve and control top or position detecting device combinations not listed can be assumed to not be sanctioned by the valve OEM holding the 3-A Symbol Authorization.