

Options and Accessories:

Vent Panel Specifications

Burst Indication (for CV-F Series)

All vent panels can be supplied with ZOOK's integral burst indication (BI)

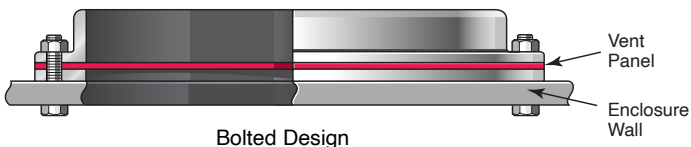
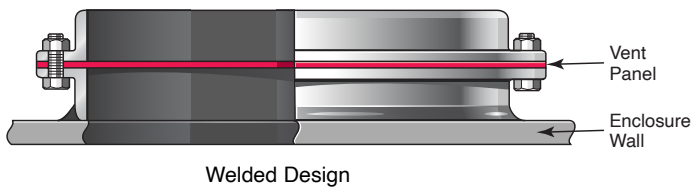
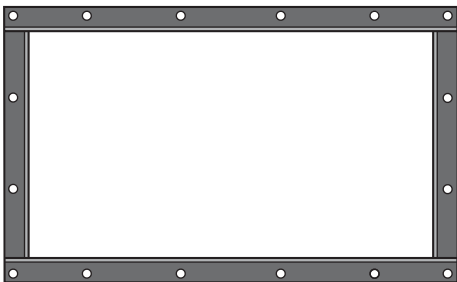
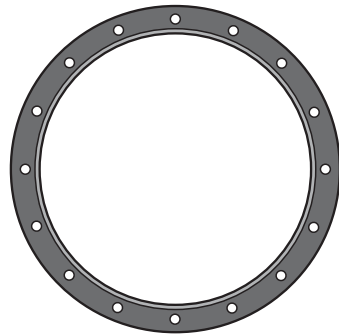
The BI offers instant indication of venting when connected to a DCS system. Intrinsically safe barriers should be used when the vent is installed in a potentially hazardous environment.



Frames

ZOOK vent frames are available for all size vents in standard materials of Carbon and Stainless Steel.

Vent framing is an important part of the performance of an explosion vent panel.



Configuration:

Square/Rectangular Round Flat Domed

Dimensions:

Frame I.D. _____ Frame O.D. _____
 Diameter _____
 Length _____
 Width _____
 Bolt Hole: Size _____ Qty _____

(A general arrangement drawing of the vent(s) being ordered will be submitted for approval prior to manufacturing.)

Materials: 316SS Other _____

Quantity each: _____

P_{stat} – Set relieving pressure of vent
 [must be less than P_{red} by at least 0.05 bar (0.73 psi)]
 _____ @ _____ °F °C

P_{max} – Max. allowable internal pressure
 [must be less than P_{red} by at least 0.05 bar (0.73 psi)]
 _____ @ _____ °F °C

P_{red} – Max. allowable pressure during venting
 (should not exceed 2/3 of the pressure at which the weakest part of the vented enclosure will break)
 _____ @ _____ °F °C

Operating Pressure: _____ Positive Negative

Is panel subjected to pressure fluctuations? _____ Positive Negative
 (If so, state magnitude) _____

Operating Temperature: _____ °F °C

K_{st} or Media contained in enclosure: _____

Hazard Dust Class: ST-1 ST-2 ST-3

Is the enclosure connected to any other equipment by means of a duct or piping? Y N

Is the enclosure filled or discharged via a duct which the explosion could originate? Y N

If discharge ductwork is used, state length.
 (Vent ducts will significantly increase the pressure developed during venting and should be as short as possible. Vent ducts should only be used when absolutely essential.) _____

Enclosure Dimensions

Diameter _____
 Length _____
 Width _____
 Height _____
 Total Volume _____



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