

ASME PVHO-1-2012

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Window Description

Window Drawing No

Maximum allowable working pressure

Maximum design temperature

Minimum design temperature

Design Pressure

Window shape

Conversion factor table number

Pressure range, N

Conversion factor, CF

Short-term critical pressure and fig. no.

Experimental verification[Note (1)]

Thickness t (actual) _____

D_i (actual) _____

D_o (actual) _____

Water Temp _____ ° F _____ ° C

No.1: _____ No.2: _____

No.3: _____ No.4: _____

No.5: _____ STCP: _____

(Note each test specimen FS for full scale and MS for model scale)

Type of Failure

Test Conducted at

Test supervised by

Window Design

Inner Diameter, D (Nominal)

Included Angle (Nominal)

External Radius of Curvature (Nominal)

Minimum t/D_i (Calculated)

Minimum t (Calculated)

D_i/D_f (Nominal)

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Minimum D_i (calculated)

Diametral interference/clearance between D_o of window and window seat at maximum design temperature (calculated)

Diametral interference/clearance between D_o of window and window seat at minimum design temperature (calculated)

Actual t (specified on drawing)

Actual D_i (specified on drawings)

Actual D_o (specified on drawings)

Actual external radius of curvature (specified on drawings) (spherical or cylindrical)

Drawing No. of window

Drawing No. of flange

Drawing No. of assembly

Description of pressure vessel (for which the window has been designed)

The viewport design complies with all of the requirements of the Safety Standard for Pressure Vessels for Human Occupancy Section 2-2	
Viewport Designer <hr/>	<hr/>
Authorised representative of chamber manufacturer or owner <hr/>	Date <hr/>
Name and address of chamber manufacturer or owner <hr/>	Date <hr/>

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NOTE:

(1) If STCP is determined experimentally according to para. 2-2.5.2, then the critical pressures of all five windows tested, the testing laboratory, the testing laboratory, and the test supervisor should be noted here.

Red = Minimum Required information if Viewports are being certified by a third party. (Lloyds Register of Shipping, DNV, American Bureau of Shipping etc..)

FOR DNV CERTIFICATION: We Require the Vessel ID Number and Name, Prior to the Manufacture of your Viewports.