

Window Description

Window Drawing No: _____

Maximum allowable working pressure

psi Mpa

Maximum design temperature

°C °F

Minimum design temperature

°C °F

Window shape

Conversion factor table number

Pressure range, N

Conversion Factor

CF at °C °F

Maximum internal ambient temp

°C °F

Minimum external ambient temp

°C °F

Short-term critical pressure and fig. no.

Experimental Verification (Note (1))

Thickness t (actual) _____

Do (actual) _____

Di (actual) _____

Water _____

Temperature °C °F

Type of failure _____

Test conducted at _____

Test supervised by _____

No.1: _____ No.2: _____

No.3: _____ No.4: _____

No.5: _____ STCP: _____

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

Window Design

Inner Diameter, Di (nominal)

Outer Diameter, Do (nominal)

Included Angle (nominal)

External Radius of Curvature (nominal)

Minimum t (calculated)

Minimum t/Di (calculated)

Do/Df (nominal)

Di/Df (nominal)

Minimum Di (calculated)

Maximum Df (calculated)

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Diametral Interference/clearance between
Do of window and window seat at maximum
design temperature (calculated)

Diametral Interference/clearance between
Do of window and window seat at minimum
Design temperature (calculated)

Actual t (specified on drawings)

Actual D_i (specified on drawings)

Actual D_f (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 the requirements of the Safety Standard for Pressure Vessels for Human Occupancy subsection 2-2

Viewport Designer

Date

Authorised representative of chamber manufacturer or owner

Date

Name and address of chamber manufacture or owner

Date

Red = Minimum required information.