

General Containment Design Considerations, SSPC-Guide 6

TABLE 19 – WATER-BLASTING/WATER-JETTING
COMBINATIONS OF CONTAINMENT AND VENTILATION SYSTEM COMPONENTS

Containment Classification	Containment System					Ventilation (5.4 of SSPC-Guide 6)				
	5.3.1 Containment Materials	5.3.2 Penetrability	5.3.3 Support Structure	5.3.4 Joints	5.3.5 Bridgeway	5.4.1 Air Make-Up	5.4.2 Input Air Flow	5.4.3 - Air Pressure	5.4.4 Air Movement	5.4.5 Exhaust Dual Filtration
Class 1W	A1 - Rigid A2 - Flexible	B1 - Air Impermeable AND B2a - Water Impermeable	G1 - Rigid G2 - Flexible	D1 - Full Seal	E2 - Placeable	F2 - Open	G1 - Forced G2 - Natural	H2 - Visual Verification	I1 - Minimum Specified	J1 - Air Filtration
Class 2W	A1 - Rigid A2 - Flexible	B2a - Water Impermeable	G1 - Rigid G2 - Flexible	D1 - Full Seal	E3 - Overlap	F2 - Open	G2 - Natural	H3 - Not Required	I2 - Not Specified	J2 - Not Required
Class 3W	A1 - Rigid A2 - Flexible	B2a - Water Impermeable	G3 - All metal	E2 - Partial Seal	E4 - Open Seam	F2 - Open	G2 - Natural	H3 - Not Required	I2 - Not Specified	J2 - Not Required
Class 4W	A1 - Rigid A2 - Flexible	B2a - Water Permeable	G2 - Flexible	D2 - Partial Seal	E4 - Open Seam	F2 - Open	G2 - Natural	H3 - Not Required	I2 - Not Specified	J2 - Not Required

Note 1: When designing a ventilation system, care must be taken to balance the static pressure with the input airflow to avoid collapsing the containment or shut-work due to a high negative pressure.

Note 2: The table occasionally identifies two options for a given component. For example, containment materials (5.3.1) are shown as being either rigid or flexible. If the application requires the use of rigid materials only, this restriction must be specified separately.

Note 3: Class 4W will capture dust/drips and chips and debris, but will not contain the water used for cleaning. When vacuum shrouded blasting is employed, ground covers or free-hanging tarpaulins may provide controls equivalent to Class 1W.

Containment Systems A Design Guide

Rachel S Tattersall



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Publications International Atomic Energy Agency,2008 **Conception des systemes de confinement des reacteurs de centrales nucleaires** [Anonymus AC06311611],1987 Technical Reports Series ,1984 Companion Guide to the ASME Boiler & Pressure Vessel Code K. R. Rao,2006 This is Volume 1 of the fully revised second edition Organized to provide the technical professional with ready access to practical solutions this revised three volume 2 100 page second edition brings to life essential ASME Codes with authoritative commentary examples explanatory text tables graphics references and annotated bibliographic notes This new edition has been fully updated to the current 2004 Code except where specifically noted in the text Gaining insights from the 78 contributors with professional expertise in the full range of pressure vessel and piping technologies you find answers to your questions concerning the twelve sections of the ASME Boiler and Pressure Vessel Code as well as the B31 1 and B31 3 Piping Codes In addition you find useful examinations of special topics including rules for accreditation and certification perspective on cyclic impact and dynamic loads functionality and operability criteria fluids pipe vibration stress intensification factors stress indices and flexibility factors code design and evaluation for cyclic loading and bolted flange joints and connections **Handbook of Mechanical Engineering Calculations, Second Edition** Tyler G. Hicks,2006-03-10 Solve any mechanical engineering problem quickly and easily This trusted compendium of calculation methods delivers fast accurate solutions to the toughest day to day mechanical engineering problems You will find numbered step by step procedures for solving specific problems together with worked out examples that give numerical results for the calculation Covers Power Generation Plant and Facilities Engineering Environmental Control Design Engineering New Edition features methods for automatic and digital control alternative and renewable energy sources plastics in engineering design International Atomic Energy Agency Publications: Catalogue International Atomic Energy Agency,1986 Nuclear and Radiological Safety 1990-2001 International Atomic Energy Agency. Division of Conference and Document Services,2001

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