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CLAP

FORM N°Z014

Version: 1

Directive 87/404/EEC

	Directive references: Article 1					
Adopted by WPG: November 1993 Adopted by CLAP: November 1993						
Subjet:	Maximum working pressure					
Question:	Article 11(3) of the Directive requires a pneumatic test at a pressure Ph equal to 1.5 times the design pressure. EN 286-1 (ratified 1991, title published in O.J. C 104, 24.04.92, p. 4) requires a pneumatic test at a pressure Ph equal to 1.5 times the maximum working pressure.  Does the pneumatic test in accordance with EN 286-1 (1991) satisfy the requirements of the Directive?					
Answer:						
	Withdrawn in August 1998  The pneumatic test in accordance with EN 286-1 (1991) at a pressure equal to 1.5 times the maximum working pressure satisfies the Directive which requires a pneumatic test at a pressure equal to 1.5 times the design pressure.  Reasons  EN 286-1 permits vessels to be designed with two different design pressures P: 1) Cylindrical shell ring: P = 1.0 PS or P = 1.25 PS 2) Ends: P = 1.0 PS So as not to exceed the yield strength during the pneumatic test, it is necessary to take P = 1.0 PS for the ends into account. This results in Ph = 1.5 PS = 1.5 P.  Note: The proposed revised version of EN 286.1 will correct this anomaly.					