

Guidelines related to the Simple Pressure Vessels Directive 2014/29/EU (SPVD)

In order to ensure a coherent application of the Simple Pressure Vessels Directive 2014/29/EU (SPVD) (which replaces Directive 2009/105/EC as of 20 April 2016), Guidelines are developed and agreed by the Commission's Working Group "Pressure" (WGP).

This working group is composed of representatives of Member States, European federations, the Notified Bodies Forum and CEN and chaired by a representative of the Commission services.

This document includes the SPVD Guidelines¹ under Directive 2014/29/EU which are endorsed by the Working Group "Pressure" (WGP). SPVD Guidelines endorsed for the former Directive 2009/105/EC are not valid unless they are endorsed by the WGP under the directive 2014/29/EU.

Remarks or questions concerning this document should be addressed via the email to the unit in the European Commission dealing with the Pressure Equipment Directive:

GROW-PRESSURE-EQUIPMENT@ec.europa.eu

Status of the guidelines

The SPVD Guidelines are not a legally binding interpretation of the Directive. The legally binding text remains that of the Directive. However, the SPVD Guidelines represent a reference for ensuring consistent application of the Directive. They represent, unless indicated differently in the respective guideline text, the unanimous opinion of the Member States.

Document history		
Version	Date	Comment
1.0	17/10/2018	Includes SPVD 2014/29/EU Guidelines adopted by WGP meeting of 13/9/2018

¹ Note: the numbering of the guidelines has changed to ensure sequential numbering without gaps

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1. SPVD GUIDELINE 1

Simple Pressure Vessels Directive SPVD 2014/29/EU Commission's Working Group "Pressure"

Guideline related to: Article 1

Question	Does a vessel which contains air or nitrogen with a contaminant fall within the scope (Article 1) of Directive 2014/29/EU?
Answer	Yes, provided the vessel is intended to contain air or nitrogen.
Reason	The intent of the Directive is to address simple pressure vessels intended to contain air or nitrogen.
Note	It is not the intent of this guideline to recognise fluids other than air or nitrogen that are introduced into the pressure vessel. It is understood that contaminants may disassociate from the air or nitrogen and require removal from the simple pressure vessel in operation.

Accepted by Working Party Guidelines (WPG) on:	29/11/2017
Accepted by Working Group Pressure (WGP) on:	13/09/2018

2. SPVD GUIDELINE 2

Simple Pressure Vessels Directive SPVD 2014/29/EU Commission's Working Group "Pressure"

Guideline related to: Article 1

Question	Does the ratio of length to width, branch diameter to cylinder diameter or ratio of flat bottom end opening to cylinder diameter affect whether the vessel is in the scope of the SPVD ?
Answer	<p>No.</p> <p>There are no limits on ratios given in the directive. The design of the vessel, assuming all other conditions are met, requires:</p> <ul style="list-style-type: none">• The requirements given in Annex I, section 2 (b) and (c) shall be applied.• Wall thickness comply with the requirements of Annex I, section 2.1 <p>By the nature of vessels intended to contain air or nitrogen, several openings will be required to enable operation. These may include sockets, screwed fittings, welded fittings etc.</p>
Reason	
Note	

Accepted by Working Party Guidelines (WPG) on:	08/06/2017
Accepted by Working Group Pressure (WGP) on:	13/09/2018

3. SPVD GUIDELINE 3

Simple Pressure Vessels Directive SPVD 2014/29/EU Commission's Working Group "Pressure"

Guideline related to: Annex I Section 2, Annex III section 2

Question	Must the manufacturer design for the stresses under conditions of use?
Answer	Yes, he must design for the known and expected conditions and record them in the instructions provided.

Accepted by Working Party Guidelines (WPG) on:	20/04/2018
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4. SPVD GUIDELINE 4

Simple Pressure Vessels Directive SPVD 2014/29/EU Commission's Working Group "Pressure"

Guideline related to: Annex I Section 2.1

Question	Does the minimum wall thickness specified in Annex I Section 2.1 include corrosion allowance ?
Answer	No, The minimum wall thickness is a separate requirement from any need to provide a corrosion allowance. Therefore in the situation where corrosion protection is to be afforded by increased vessel wall thickness then this is in addition to the requirement for the minimum vessel wall thickness.
Reason	
Note	

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