

<i>CRAINOX</i>	SERBATOI IN PRESSIONE AISI 316L COD: CALCULATIONS	Rev.: 00	10/09/2020
		FILE:	

CALCULATIONS

CUSTOMER <i>(Cliente)</i>	XXX	
PURCHASE ORDER <i>(Ordine)</i>	XXX	
EQUIPEMENT <i>(Apparecchio)</i>	Nr. 1 TANK COD. XXX	
YEAR <i>(Anno di Costruzione)</i>	2020	
DRAWING	SERIAL NR	CRAINOX CODE

00	Issued for Approval	N. Smacchia	A. Sciamanna	XXXXXX	10/09/2020
<i>Rev.</i>	<i>Description</i>	<i>Issued by</i>	<i>Checked by</i>	<i>Approved by</i>	<i>Date</i>

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1. SCOPE

The purpose of this calculation note is to verify the structural integrity of the pressure vessel in accordance with PED 2014/68/EU directive and harmonized standard EN 13445 - 3.

2. REFERENCE DOCUMENTS

2.1. Contractor documents

Ref.	Title	Document Number	Rev
[1]	SERBATOIO A PRESSIONE CON CHIUSINO	XXXXXXXX	00

2.2. International codes and standards

Ref.	Title	Document Number
[2]	Pressure Equipment Directive (PED)	PED 2014/68/EU
[3]	Unfired pressure vessel – part 3: Design	EN-13445-3:2014
[4]	Flat products made of steels for pressure purposes Part 7: Stainless steels	EN-10028-7:2016
[5]	Stainless steel for pressure purposes	EN-10272:2016
[6]	Seamless steel tubes for pressure purposes Part 5: Stainless steel tubes	EN-10216-5:2014
[7]	Steel forgings for pressure purposes Part 5: Martensitic, austenitic and austenitic-ferritic stainless steel	EN-10222-5:2017

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3. FUNCTIONAL DESCRIPTION

The section provides a brief description of the pressure vessel treated in this document. In Figure 3-1 are highlighted the main items for all the vessels.

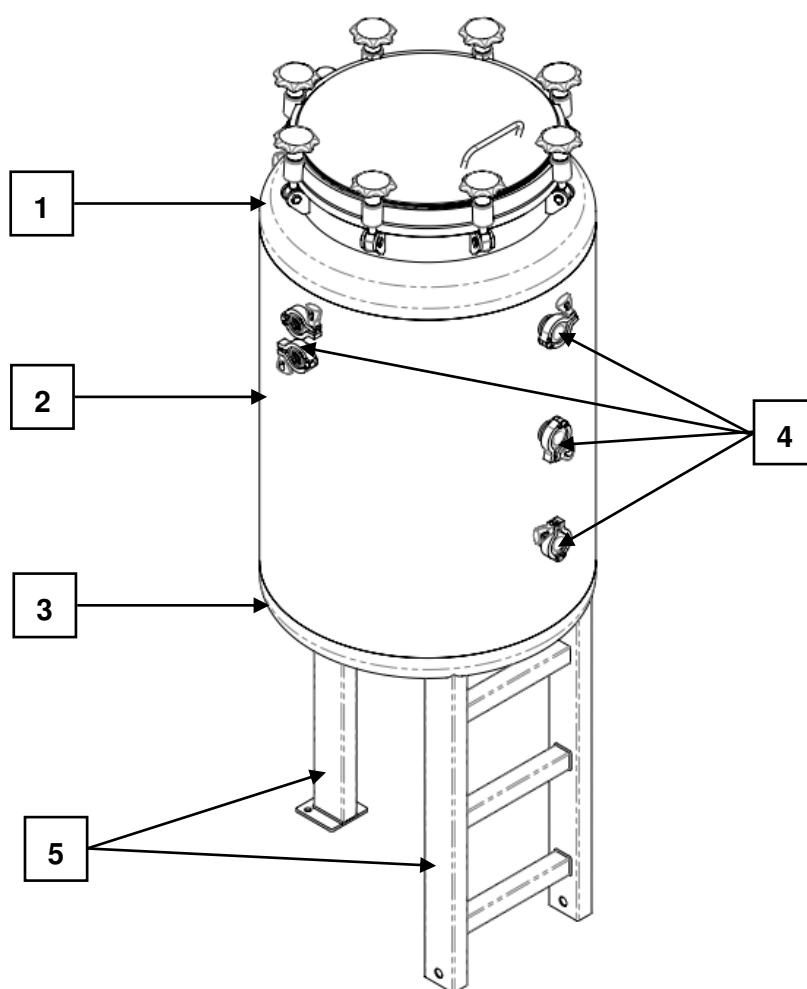


Figure 3-1: Typical pressure vessel model

1. Roof dished end
2. Cylindrical shell
3. Bottom dished end
4. Nozzles
5. Legs