



**baglioni**  
pressure solutions

## CATALOGUE VESSEL

APRIL 2023  
[baglionispa.com](http://baglionispa.com)



NORTH CAROLINA (US)  
VESSELS + SPE



The companies of Baglioni SpA manufacture carbon and stainless-steel pressure equipment used for storage and process in the Compressed-air and Oil&Gas applications.

Baglioni Group consists of four companies located in EUROPE, USA and CHINA.

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#### QUALITY CONTACT

[quality@baglionispa.com](mailto:quality@baglionispa.com)



#### ASTRA REFRIGERANTI SRL

ASTRA is organized into three divisions SPE, SPV and OIL & GAS. ASTRA specializes in the design and construction of tanks, heat exchangers, columns, condensers, etc. for the chemical, petrochemical and energy sectors.

#### OIL & GAS

Via Meucci, 1  
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Tel. +39 0321 808011

#### AIR COM

##### SPECIAL PRESSURE EQUIPMENT

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Tel. +39 0321 485611



Our C.S.C. production unit is specialized in the manufacture of pressure equipment and vacuum tanks. It manufactures certified tanks for installation sites all over the world.

#### CSC SRL

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#### AIR COM

##### VESSELS

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##### VESSELS

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Tel. +39 0836 471239



Our MPV LLC plant in Marion, North Carolina, is specialized in the manufacture of pressure vacuum tanks for medical applications as well as special pressure vessels.

**MPV MORGANTON PRESSURE VESSELS LLC  
SPECIAL PRESSURE EQUIPMENT**

1 Alfredo Baglioni Drive  
MARION NC 28752 USA  
Tel. +1 (828) 6523704



AIRCOM is specialized in the manufacture of pressure tanks with a capacity range from 0,9 lt and 600 lt. The main mission of our production facilities in China is to supply the Asian and Pacific markets with top-quality products at competitive prices.

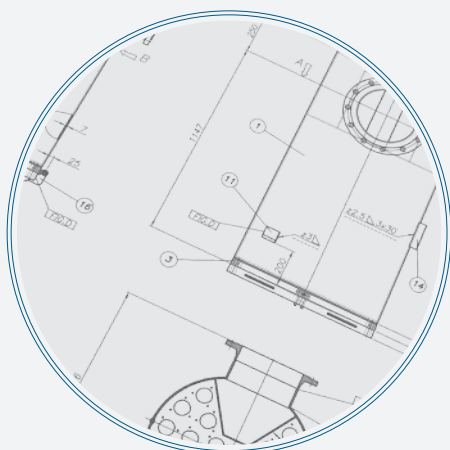
**AIRCOM (ZHEJIANG)  
GENERAL EQUIPMENT CO. LTD**

No.968 Waitang Road (Haiyan Economic Development Zone), Xitangqiao Subdistrict, Haiyan County, Jiaxing City, Zhejiang Province, China, 314305 - Tel. +86 573 86862233

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## CO-DESIGN

Innovative solutions and our know-how are at the customer's disposal to develop a design that aims to optimize the product on an industrial scale and to obtain the best technical and economical results.



## GLOBAL DESIGN

Our engineering develops the projects and adapts them to the in force regulations on an international scale to keep the same standard of production for all factories in the three continents.



## LOCAL PRODUCTION

Our main goal is to minimize both production and transport costs by producing locally and covering the whole range of products, from standard to custom made.



## MULTI APPROVAL

According to geographical areas and customer's specification we design products in compliance with dedicated approvals and, if necessary, simultaneous certifications.



## FINISHING

The knowledge of materials and their employment in various applications allows us to offer a wide range of finishing, an important added value for the customization of products.

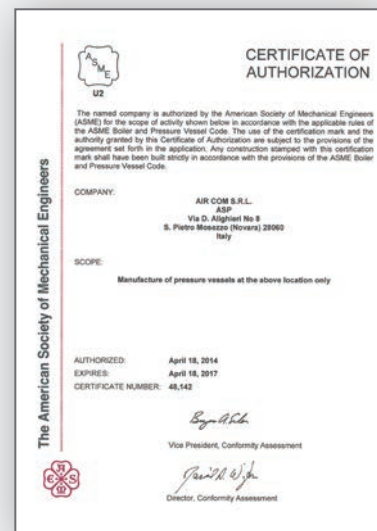
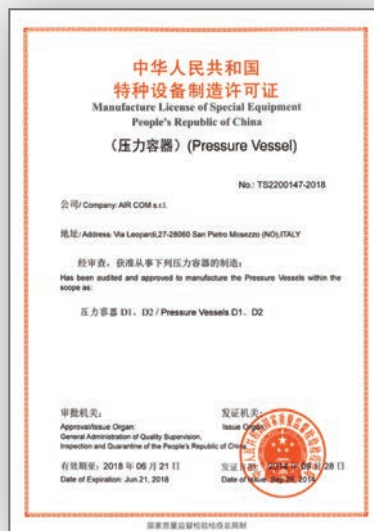
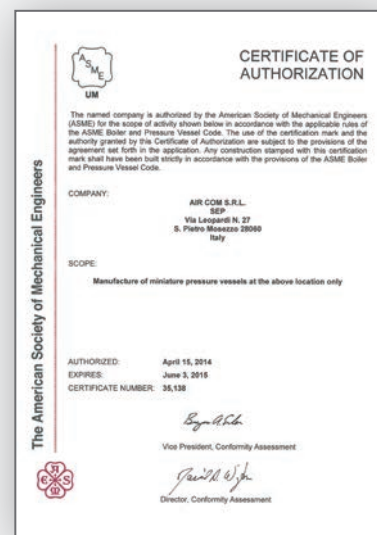


## CUSTOMIZED LOGISTICS

Flexibility to adapt to customer's needs through the management of specific logistics according to the product type.

# CERTIFICATIONS

Our products are designed and manufactured in compliance with the applicable EU Directives or according to the major international standards.





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SPVD 2014/29/UE DIRECTIVE (EX 2009/105/EC)  
Simple Pressure Vessels Directive

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ASME SECT. VIII DIV. 1 / DIV. 2

---

CANADIAN REGISTRATION NUMBER (CRN)

---

MOM SINGAPORE REGULATION

---

CONSULAR VISA  
TUNISIA - MOROCCO

---

MHLW JAPAN REGULATION

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MARINE REGISTRATION

- ABS American Bureau of Shipping
- DNV Det Norske Veritas
- B.V. Bureau Veritas
- LRS Lloyd's Register of Naval Ship
- RINA Services
- GL Germanischer Lloyd
- NK Nippon Kaiji Kyokai
- CCS China Classification Society
- RMRS Russian Maritime Register of Shipping
- KR Korean Register of Shipping

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PED 2014/68/UE DIRECTIVE (EX 97 /23/EC)  
Pressure Equipment Directive

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NATIONAL BOARD REGISTRATION

---

AUSTRALIAN STANDARD AS1210

---

DOSH MALESIA REGULATION

---

MANUFACTURE LICENSE OF SPECIAL EQUIPMENT  
People's Republic of China D1/D2 - A1/ A2

---

ISRAELIAN STANDARD REGULATION

---

EAC TRCU032 RUSSIA

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UKCA (UK CONFORMITY ASSESSED) MARKING

# FINISHING

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## POWDER COATING

External surface treatment performed on all standard vessels.

After an accurate surface preparation through chemical wash-down or sandblasting, the product is transferred to dedicated booths where powder paint is sprayed by means of electrostatic or triboelectric spray guns. The processed product is then baked in curing ovens.

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## HOT-DIP GALVANIZATION

Internal and external treatment for carbon steel vessels.

Hot-dip galvanizing is the main method used to protect steel against weather conditions and is performed by dipping vessels in a molten zinc bath. During this metallurgical process, the surface composition changes into an intercrystalline zincsteel alloy that forms an extremely resistant, longlasting anti-corrosion coating. The thickness of the protection depends on material type, dipping time and zinc bath temperature.

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## SURFACE ELECTROPOLISHING TREATMENT

This surface treatment electrolytically removes all metal particles in order to reduce roughness. for carbon steel vessels.

This process is essential when corrosion-resistance and cleanliness requirements are particularly strict (e.g., for pharmaceutical, chemical, biochemical and food products).

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## ALM PAINTING

This treatment is specific for tank interiors and is performed by applying special protective paints that ensure high resistance to corrosive agents over time.

Raw vessels first undergo chemical washing and pickling and are then sprayed with thermosetting epoxy resin before completing the process with the final baking stage in the oven. The ALM treatment is certified pursuant to Ministerial Decree dated 21 March 1973 and subsequent amendment dated 6 April 2004.

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## PICKLING AND PASSIVATION

Internal and external treatment of stainless steel vessels. for carbon steel vessels.

Pickling is essential to remove the oxide particles produced during the various processing stages. There are two types of pickling systems: mechanical and chemical. The former is performed with silica sand or stainless-steel brushes, the latter by dipping the item into an acid solution. The subsequent passivation dissolves and removes any contaminants from the surface, thus recreating the protective layer.





RAL 1004  
Smooth Finish



RAL 3000  
Smooth Textured Finish



RAL 5002  
Smooth Finish



RAL 5005  
Textured Finish



RAL 5010  
Smooth Finish



RAL 5015  
Smooth Textured Finish



RAL 7011  
Textured Finish



RAL 7016  
Smooth Textured Finish



RAL 7021  
Smooth Textured Finish



RAL 7024  
Textured Finish



RAL 7035  
Textured Finish



RAL 7036  
Textured Finish



RAL 7040  
Textured Finish



RAL 7042  
Textured Finish



RAL 7043  
Smooth Finish



RAL 9002  
Textured Finish

# DECLARATION OF CONFORMITY

All pressure vessels for the European market are supplied with a declaration of conformity bearing all vessel identification data.

This certificate shall be duly kept to be submitted to inspection authorities during periodical audits as specified by the applicable regulations.

FOR INQUIRIES CONCERNING DECLARATION OF CONFORMITY PLEASE CONTACT

quality@baglionispa.com



## DICHIARAZIONE DI CONFORMITÀ

### DECLARATION DE CONFORMITE

### DECLARACIÓN DE CONFORMIDAD

### DECLARATION OF CONFORMITY

### KONFORMITÄTSERLÄRUNG

• Dichiariamo, sotto la nostra responsabilità, che il serbatoio nuovo qui descritto:  
*Nous déclarons, sous notre seule responsabilité, que le récipient neuf décrit ci après:*  
We hereby declare under our own responsibility, that the pressure vessel described hereunder:  
*Declaramos, bajo nuestra única responsabilidad, que el recipiente nuevo descrito aquí:*  
Unter unserer Verantwortung erklären wir hiermit, daß der neue unten beschriebene Druckluftbehälter:

|                                                                  |                                                                                                                                                                       |                                                                    |                                                                                                                                  |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| N.F.:<br>N.F.:<br>Manufacturing N.:<br>Matricula N.:<br>Bau-Nr.: | Capacità:<br>Volume:<br>Capacity:<br>Capacidad:<br>Inhalt:                                                                                                            | LOTTO N.:<br>LOT N.:<br>Lot inspection:<br>Lote N.:<br>Losprüfung: | Anno di fabbricazione:<br>Année de fabrication:<br>Year of construction:<br>Año de fabricación:<br>Baujahr:                      |
| De 9491<br>À 9526                                                | Lt. 500                                                                                                                                                               | 03/09                                                              | 2009                                                                                                                             |
| Famiglia:<br>Famille:<br>Family:<br>Familia:<br>Familie:         | Pressione di servizio/Calcolo:<br>Pression de service/Calcul:<br>Operating pressure/Calculation:<br>Presión de servicio/Calculo:<br>Betriebsüberdruck/Berechnungsdru: | Variante:<br>Variante:<br>Type:<br>Variacion:<br>Typ:              | Temperatura di servizio:<br>Temperature de service:<br>Operating temperature:<br>Temperatura de servicio:<br>Betriebstemperatur: |
| EC                                                               | bar 16                                                                                                                                                                | EC500.16                                                           | -10°C +120°C                                                                                                                     |

È CONFORME ALLE DISPOSIZIONI DELLA DIRETTIVA CEE 87/404 RELATIVA AI RECIPIENTI SEMPLICI A PRESSIONE  
*EST CONFORME AUX DISPOSITIONS DE LA DIRECTIVE 87/404 CEE RELATIVE AUX RECIPIENTS A PRESSION SIMPLES*  
COMPLIES WITH ECC DIRECTIVE 87/404 CONCERNING SIMPLE PRESSURE VESSELS  
*ES CONFORME A LAS DISPOSICIONES DE LA NORMATIVA CEE 87/404 RELATIVA A LOS RECIPIENTES A PRESSION SIMPLES*  
DEN VORSCHRIFTEN EG-RICHTLINIE 87/404 ÜBER EINFACHE DRUCKBEHÄLTER ENTSPRICHT

• che al modello della famiglia e sue varianti alla quale questo serbatoio appartiene è stata riconosciuta una:  
*que le modèle de la famille et ses variantes à laquelle appartient ce récipient a fait l'objet de la délivrance d'une:*  
that the family type and its variations, which this vessel is part of, has received:  
*que el modelo de la familia y sus tipos al que pertenece este recipiente ha sido el objeto de la deliberación de una:*  
daß der betreffende Behältertyp mit:

ATTESTAZIONE D'ESAME DEL TIPO N° 07.72226/C/PS DEL 18/10/07 REV. 18/10/07 rilasciata da CPM, organismo notificato n°I-0398  
*ATTESTATION D'EXAMEN CE DE TYPE N° 07.72226/C/PS DU 18/10/07 M.J. 18/10/07 délivrée par la CPM, organisme notifié n°I-0398*  
ECC TYPE EXAMINATION CERTIFICATE N° 07.72226/C/PS DATED 18/10/07 REV. 18/10/07 issued by CPM, official test body n°I-0398  
*CERTIFICACION DE EXAMEN CE DE TIPO N° 07.72226/C/PS DEL 18/10/07 REV. 18/10/07 expedido por CPM, organismo notificado n°I-0398*  
EG-BAUMUSTERPRÜFUNG NR. 07.72226/C/PS VOM 18/10/07 REV. 18/10/07 von anerkannter Prüfstelle CPM, n°I-0398 geprüft wurde

• che questo serbatoio ha superato una prova idraulica a una Pressione di Prova uguale a 1,5 volte la pressione di calcolo.  
*que ce récipient a subi avec succès un essai hydraulique à une Pression d'Épreuve égale à 1,5 fois la Pression de calcul.*  
that the aforementioned pressure vessel passed the hydraulic test when submitted to a test pressure equal to 1,5 times the design pressure.  
*que este recipiente ha superado con seguridad una prueba hidráulica a una presión igual a 1,5 veces la presión de cálculo.*  
daß obiger Behälter die Wasserdruckprobe bestanden hat, wobei der Proberdruck 1,5 mal der Nenndruck entsprach.

• che l'Organismo notificato ha apposto una punzonatura di identificazione (cuore APAVE) sulla targa del costruttore.  
*que l'Organisme notifié a apposé un poinçon identification (coeur APAVE) sur la plaque constructeur.*  
that the notified institution has applied a marking punch on the name plate.  
*que el Organismo notificado ha puesto una marca de identificación (corazon APAVE) sobre la placa constructor.*  
daß die anerkannte Prüfstelle einen Kennzeichnungstempel auf das Herstellerschild gestempelt hat.

Terruggia, il 2/7/2009

Il Costruttore – Le Constructeur – The Manufacturer  
El constructor – Der Hersteller

\*CSC099491-0536\*



Pagina 1 di 2





# FITNESS DECLARATION

The vessels are not included in the range of applicability of the 2014/68/EU directive, because they are not equipped with any source of ignition.  
Upon request, can be supplied the Fitness Declaration ATEX.



## DICHIARAZIONE DI IDONEITÀ - DIRETTIVA 2014/34/UE FITNESS DECLARATION - DIRECTIVE 2014/34/UE (EN 45014:1999)

In riferimento a:

Art.1, par. 2, della direttiva 2014/34/UE, dtd. 26 febbraio 2014,

Capitoli 37 e 40 delle ATEX 2014/34/UE Guidelines 2nd Edition, dtd. Dicembre 2017

Sulla base dell'analisi dei rischi effettuata, l'attrezzatura: VEC01251 serbatoio 50lt 11bar

### **NON RIENTRA NEL CAMPO DI APPLICAZIONE DELLA DIRETTIVA 2014/34/UE**

in quanto non possiede al suo interno ed al suo esterno nessuna sorgente di innesco propria.

Per questo motivo non è soggetta a nessuna valutazione e a nessuna marcatura come previsto dalla direttiva.

*In accordance with:*

Art.1, par. 2, of Directive 2014/34 / EU, dtd. 26 February 2014,

Chapters 37 and 40 of ATEX 2014/34/UE Guidelines 2nd Edition, dtd. December 2017

Based on the risk analysis carried out, the equipment: VESEC01251 Vessel 50lt 11bar

### **IS NOT INCLUDED IN THE RANGE OF APPLICABILITY OF THE 2014/34 /EU DIRECTIVE**

*because it does not has an own source of ignition.*

*For this reason, it is not subject to any evaluation or marking as required by the directive.*

09/07/2020  
Cesalvoglio (Novara)





-10°C AIR VESSELS



-10°C AIR VESSELS

## SMALL SIZE VERTICAL PAINTED - GALVANIZED

### MATERIAL

Carbon steel

### FLUID CONTENT

Compressed air / Nitrogen (group 2)

### FINISHING

**RAL5015:** External Ral 5015 blue paint (standard)

**GALVANIZED:** internal and external hot-dip galvanization

### UPON REQUEST

1" couplings on heads

DIRECTIVE

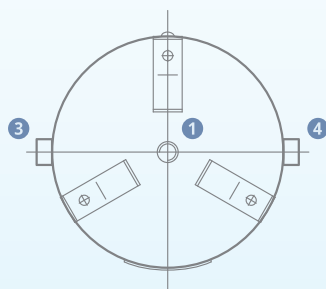
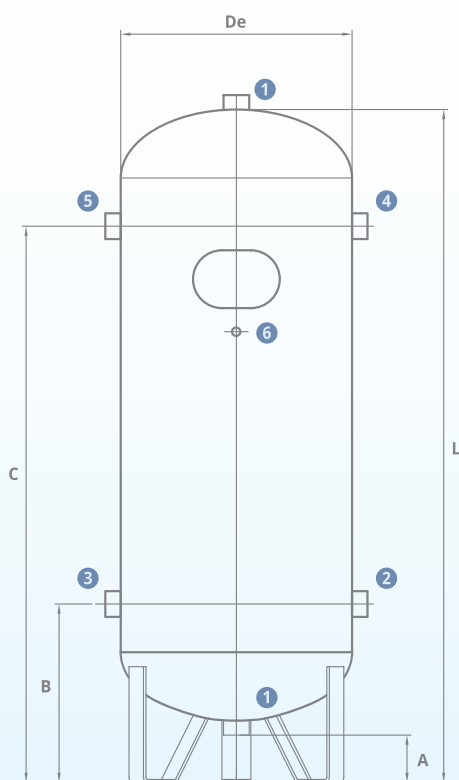
2014/29/UE

OPERATING PRESSURE

11/16 bar

OPERATING TEMPERATURE

-10 +120°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | L  | 1     | 2     | 3     | 4     | 5     | 6     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|-------|-------|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | inch. | inch. | Kg     |

### RAL 5015\*

|          |             |    |    |     |     |     |     |     |      |      |      |      |      |      |    |
|----------|-------------|----|----|-----|-----|-----|-----|-----|------|------|------|------|------|------|----|
| VEC01295 | 2014/29/UE  | 24 | 11 | 240 | 64  | 185 | 535 | 656 | 1/2" | =    | 1/2" | 1/2" | =    | 3/8" | 10 |
| VEC01296 | 2014/29/UE  | 50 | 11 | 305 | 145 | 297 | 777 | 929 | 1/2" | 1/2" | =    | =    | 1/2" | 3/8" | 19 |
| VEC00875 | CE 105/2009 | 50 | 15 | 305 | 145 | 297 | 777 | 929 | 1/2" | 1/2" | =    | =    | 1/2" | 3/8" | 23 |

### GALVANIZED

|          |            |    |    |     |     |     |     |     |    |      |      |      |      |      |    |
|----------|------------|----|----|-----|-----|-----|-----|-----|----|------|------|------|------|------|----|
| VEC02301 | 2014/29/UE | 24 | 11 | 240 | 64  | 185 | 535 | 656 | 1" | =    | 1/2" | 1/2" | =    | 3/8" | 11 |
| VEC01736 | 2014/29/UE | 50 | 11 | 305 | 145 | 297 | 777 | 929 | 1" | 1/2" | =    | =    | 1/2" | 3/8" | 20 |

-10°C AIR VESSELS

# SMALL SIZE HORIZONTAL PAINTED - GALVANIZED

## MATERIAL

Carbon steel

## FLUID CONTENT

Compressed air / Nitrogen (group 2)

## FINISHING

**RAL5015:** External Ral 5015 blue paint (standard)

**GALVANIZED:** internal and external hot-dip galvanization

## UPON REQUEST

1" couplings on heads

DIRECTIVE

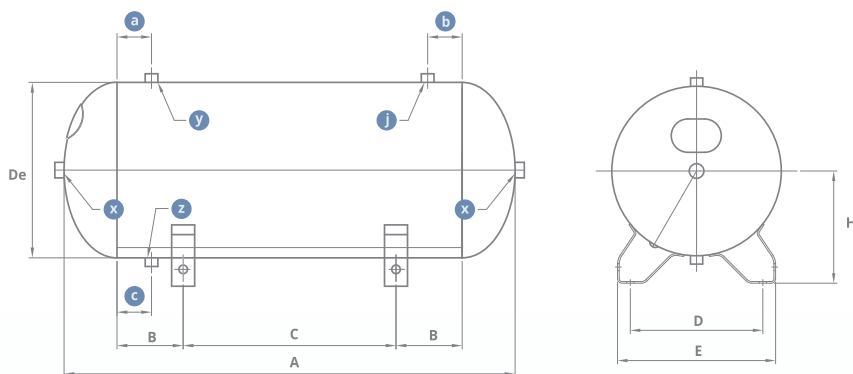
2014/29/UE

OPERATING PRESSURE

11/16 bar

OPERATING TEMPERATURE

-10 +120°C



## HORIZONTAL VESSELS WITH FIXED FEET

| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | D  | E  | H  | a  | b  | c  | x     | y     | j     | z     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|----|----|----|----|----|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | Kg     |

## RAL 5015\*

|          |            |    |    |     |     |      |     |     |     |     |    |    |       |      |      |      |      |     |
|----------|------------|----|----|-----|-----|------|-----|-----|-----|-----|----|----|-------|------|------|------|------|-----|
| VEC01294 | 2014/29/UE | 5  | 11 | 150 | 370 | 37,5 | 200 | 140 | 191 | 120 | -  | -  | 137,5 | 1/2" | -    | -    | 1/4" | 6,5 |
| VEC01249 | 2014/29/UE | 10 | 11 | 169 | 506 | 85   | 240 | 172 | 205 | 115 | -  | 60 | 50    | 1/2" | -    | 3/8" | 3/8" | 8   |
| VEC01237 | 2014/29/UE | 15 | 11 | 196 | 522 | 85   | 240 | 172 | 205 | 135 | -  | 60 | 50    | 1/2" | -    | 3/8" | 3/8" | 9   |
| VEC01250 | 2014/29/UE | 24 | 11 | 240 | 592 | 95   | 260 | 180 | 235 | 165 | -  | 60 | 50    | 1/2" | -    | 3/8" | 3/8" | 10  |
| VEC01251 | 2014/29/UE | 50 | 11 | 305 | 784 | 100  | 400 | 236 | 285 | 203 | 60 | 60 | 60    | 1/2" | 1/2" | 1/2" | 3/8" | 19  |
| VEC01715 | 2014/29/UE | 24 | 16 | 240 | 592 | 95   | 260 | 180 | 235 | 165 | -  | 60 | 50    | 1/2" | -    | 3/8" | 3/8" | 13  |
| VEC02313 | 2014/29/UE | 50 | 15 | 305 | 784 | 100  | 400 | 236 | 285 | 203 | 60 | 60 | 60    | 1/2" | 1/2" | 1/2" | 3/8" | 23  |

## GALVANIZED

|          |            |    |    |     |     |     |     |     |     |     |    |    |    |    |      |      |      |    |
|----------|------------|----|----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|------|------|------|----|
| VEC03220 | 2014/29/UE | 10 | 11 | 169 | 506 | 85  | 240 | 172 | 205 | 115 | -  | 60 | 50 | 1" | -    | 3/8" | 3/8" | 8  |
| VEC04702 | 2014/29/UE | 15 | 11 | 196 | 522 | 85  | 240 | 172 | 205 | 135 | -  | 60 | 50 | 1" | -    | 3/8" | 3/8" | 9  |
| VEC03019 | 2014/29/UE | 24 | 11 | 240 | 592 | 95  | 260 | 180 | 235 | 165 | -  | 60 | 50 | 1" | -    | 3/8" | 3/8" | 10 |
| VEC02779 | 2014/29/UE | 50 | 11 | 305 | 784 | 100 | 400 | 236 | 285 | 203 | 60 | 60 | 60 | 1" | 1/2" | 1/2" | 3/8" | 19 |

-10°C AIR VESSELS

# HORIZONTAL PAINTED

## MATERIAL

Carbon steel

## FLUID CONTENT

Compressed air / Nitrogen (group 2)

## FINISHING

External Ral 5015 blue paint (standard)

## UPON REQUEST

1" couplings on heads

## DIRECTIVE

## OPERATING PRESSURE

## OPERATING TEMPERATURE

2014/29/UE

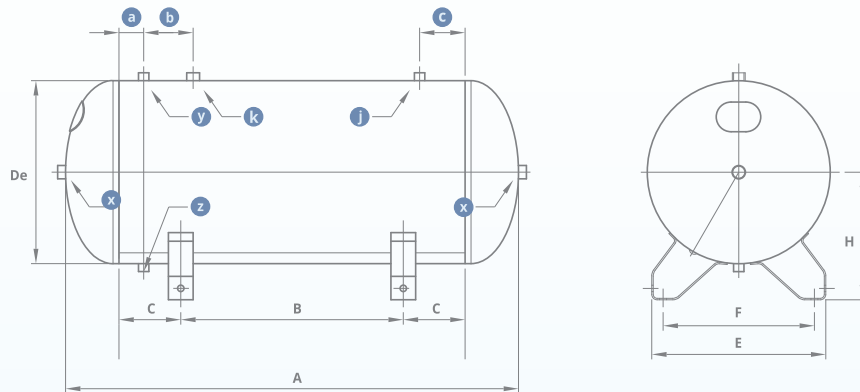
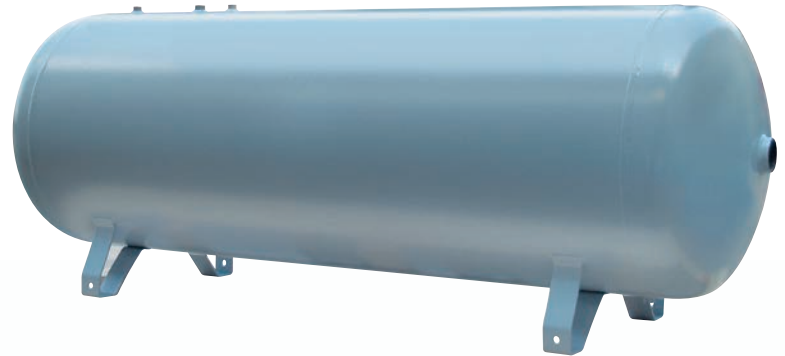
11/16 bar

-10 +120°C

2014/68/U E(PED)

12/16 bar

-10 +50°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | E  | F  | H  | a  | b  | c  | x  | y     | k     | j     | z     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|----|----|----|----|----|----|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | Kg     |

## RAL 5015\*

|            |                 |      |    |      |      |      |     |     |     |     |      |     |    |    |      |      |      |      |     |
|------------|-----------------|------|----|------|------|------|-----|-----|-----|-----|------|-----|----|----|------|------|------|------|-----|
| VEC01095   | 2014/29/UE      | 100  | 11 | 370  | 1016 | 550  | 125 | 352 | 306 | 258 | 45   | 80  | 45 | 2" | 3/8" | 1/2" | 3/8" | 3/8" | 29  |
| VEC02139   | 2014/29/UE      | 150  | 11 | 396  | 1240 | 650  | 175 | 368 | 322 | 271 | 50   | 130 | 50 | 2" | 3/8" | 1/2" | 3/8" | 3/8" | 44  |
| VEC01732   | 2014/29/UE      | 200  | 11 | 446  | 1364 | 750  | 175 | 440 | 385 | 288 | 50   | 150 | 50 | 2" | 3/8" | 1/2" | 1/2" | 3/8" | 55  |
| VEC01733   | 2014/29/UE      | 270  | 11 | 500  | 1458 | 800  | 175 | 455 | 402 | 315 | 50   | 130 | 50 | 2" | 3/8" | 1"   | 1/2" | 3/8" | 67  |
| VEC00728   | 2014/29/UE      | 500  | 11 | 600  | 1858 | 1204 | 148 | 530 | 470 | 396 | 60   | 155 | 60 | 2" | 3/8" | 1"   | 1/2" | 3/8" | 130 |
| VEC0007240 | 2014/29/UE      | 720  | 11 | 800  | 1560 | 700  | 200 |     | 470 | 500 | 60   | 155 | 60 | 2" | 3/8" | 1"   | 1/2" | 3/8" | 180 |
| VEC00707   | 2014/29/UE      | 900  | 11 | 800  | 1960 | 1000 | 243 | 605 | 470 | 500 | 60   | 155 | 60 | 2" | 3/4" | 1"   | 1/2" | 1/2" | 194 |
| VEC00515   | 2014/68/UE(PED) | 1000 | 12 | 800  | 2158 | 1000 | 343 | 605 | 470 | 500 | 100  | 155 | 60 | 2" | 3/4" | 1"   | 1/2" | 1/2" | 210 |
| VEC00739   | 2014/68/UE(PED) | 1500 | 12 | 1000 | 2135 | 900  | 300 | 691 | 575 | 608 | 200  | 200 | -  | 2" | 1/2" | 1/2" | -    | 1/2" | 325 |
| VEC00680   | 2014/68/UE(PED) | 2000 | 12 | 1100 | 2252 | 1100 | 275 | 800 | 685 | 652 | 200  | 215 | -  | 2" | 1/2" | 1/2" | -    | 1/2" | 394 |
| VEC00534   | 2014/68/UE(PED) | 3000 | 12 | 1200 | 2850 | 1265 | 227 | 820 | 710 | 698 | 1230 | 200 | -  | 2" | 1/2" | 1/2" | -    | 1/2" | 605 |
| VEC02257   | 2014/29/UE      | 270  | 16 | 500  | 1484 | 800  | 175 | 455 | 402 | 315 | 50   | 130 | 50 | 2" | 3/8" | 1"   | 1/2" | 3/8" | 104 |
| VEC01113   | 2014/29/UE      | 500  | 16 | 600  | 1858 | 1204 | 148 | 530 | 470 | 396 | 60   | 155 | 60 | 2" | 3/8" | 1"   | 1/2" | 3/8" | 163 |
| VEC00520   | 2014/68/UE(PED) | 1000 | 16 | 800  | 2158 | 1014 | 343 | 605 | 490 | 500 | 100  | 155 | 60 | 2" | 3/4" | 1"   | 1/2" | 1/2" | 253 |
| VEC00531   | 2014/68/UE(PED) | 2000 | 16 | 1000 | 2570 | 1350 | 300 | 691 | 575 | 608 | 220  | 300 | -  | 2" | 1/2" | 1/2" | -    | 1/2" | 395 |
| VEC02912   | 2014/68/UE(PED) | 3000 | 16 | 1200 | 2850 | 1265 | 227 | 820 | 710 | 698 | 1230 | 200 | -  | 2" | 1/2" | 1/2" | -    | 1/2" | 640 |



-10°C AIR VESSELS

# HORIZONTAL GALVANIZED - ALM

## MATERIAL

Carbon steel

## FLUID CONTENT

Compressed air / Nitrogen (group 2)

## FINISHING

**GALVANIZED:** internal and external hot-dip galvanization

**ALM:** External Ral 5015 blue paint (standard) and Internal Ral 5005 ALM paint

## UPON REQUEST

1" couplings on heads

## DIRECTIVE

2014/29/UE

2014/68/UE(PED)

## OPERATING PRESSURE

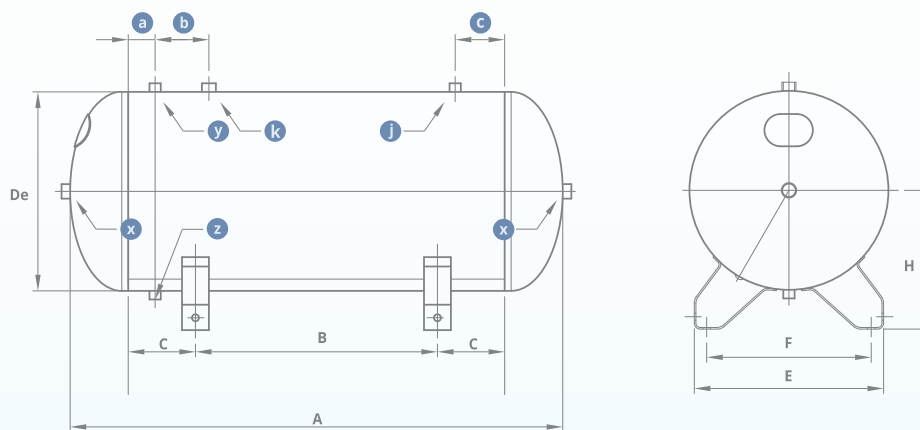
11/16 bar

12/16 bar

## OPERATING TEMPERATURE

-10 +120°C

-10 +50°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | E  | F  | H  | a  | b  | c  | x  | y     | k     | j     | z     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|----|----|----|----|----|----|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | Kg     |

## GALVANIZED

|            |                 |      |    |      |      |      |     |     |     |     |      |     |    |    |      |      |      |      |     |
|------------|-----------------|------|----|------|------|------|-----|-----|-----|-----|------|-----|----|----|------|------|------|------|-----|
| VEC01735   | 2014/29/UE      | 270  | 11 | 500  | 1458 | 800  | 175 | 455 | 402 | 315 | 50   | 130 | 50 | 2" | 3/8" | 1"   | 1/2" | 3/8" | 70  |
| VEC00874   | 2014/29/UE      | 500  | 11 | 600  | 1858 | 1204 | 148 | 530 | 470 | 396 | 60   | 155 | 60 | 2" | 3/8" | 1"   | 1/2" | 3/8" | 134 |
| VEC0007241 | 2014/29/UE      | 720  | 11 | 800  | 1560 | 700  | 200 | 580 | 470 | 500 | 60   | 155 | 60 | 2" | 3/8" | 1"   | 1/2" | 3/8" | 185 |
| VEC02277   | 2014/68/UE(PED) | 1000 | 12 | 800  | 2158 | 1014 | 343 | 605 | 490 | 500 | 100  | 155 | 60 | 2" | 3/4" | 1"   | 1/2" | 1/2" | 215 |
| VEC00690   | 2014/68/UE(PED) | 2000 | 12 | 1100 | 2252 | 1100 | 275 | 800 | 685 | 652 | 200  | 215 | -  | 2" | 1/2" | 1/2" | -    | 1/2" | 398 |
| VEC02202   | 2014/68/UE(PED) | 3000 | 12 | 1200 | 2850 | 1265 | 227 | 820 | 710 | 698 | 1230 | 200 | -  | 2" | 1/2" | 1/2" | -    | 1/2" | 609 |

## ALM

|            |                 |      |    |      |      |      |     |     |     |     |      |     |    |    |      |      |      |      |     |
|------------|-----------------|------|----|------|------|------|-----|-----|-----|-----|------|-----|----|----|------|------|------|------|-----|
| VEC02317   | 2014/29/UE      | 270  | 11 | 500  | 1458 | 800  | 175 | 455 | 402 | 315 | 50   | 130 | 50 | 2" | 3/8" | 1"   | 1/2" | 3/8" | 67  |
| VEC02127   | 2014/29/UE      | 500  | 11 | 600  | 1858 | 1204 | 148 | 530 | 470 | 396 | 60   | 155 | 60 | 2" | 3/8" | 1"   | 1/2" | 3/8" | 130 |
| VEC0007355 | 2014/29/UE      | 720  | 11 | 800  | 1560 | 700  | 200 | 580 | 470 | 500 | 60   | 155 | 60 | 2" | 3/8" | 1"   | 1/2" | 3/8" | 182 |
| VEC02285   | 2014/68/UE(PED) | 1000 | 12 | 800  | 2158 | 1014 | 343 | 605 | 490 | 500 | 100  | 155 | 60 | 2" | 3/4" | 1"   | 1/2" | 1/2" | 210 |
| VEC02100   | 2014/68/UE(PED) | 2000 | 12 | 1100 | 2252 | 1100 | 275 | 800 | 685 | 652 | 200  | 215 | -  | 2" | 1/2" | 1/2" | -    | 1/2" | 394 |
| VEC02284   | 2014/68/UE(PED) | 3000 | 12 | 1200 | 2850 | 1265 | 227 | 820 | 710 | 698 | 1230 | 200 | -  | 2" | 1/2" | 1/2" | -    | 1/2" | 605 |

-10°C AIR VESSELS

# HORIZONTAL WITH PLATE PAINTED - GALVANIZED

## MATERIAL

Carbon steel

## FLUID CONTENT

Compressed air / Nitrogen (group 2)

## FINISHING

**RAL5015:** External Ral 5015 blue paint (standard)

**GALVANIZED:** internal and external hot-dip galvanization

DIRECTIVE

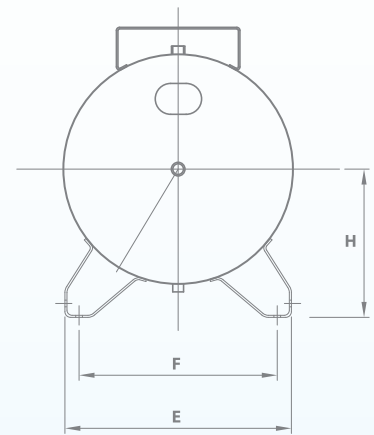
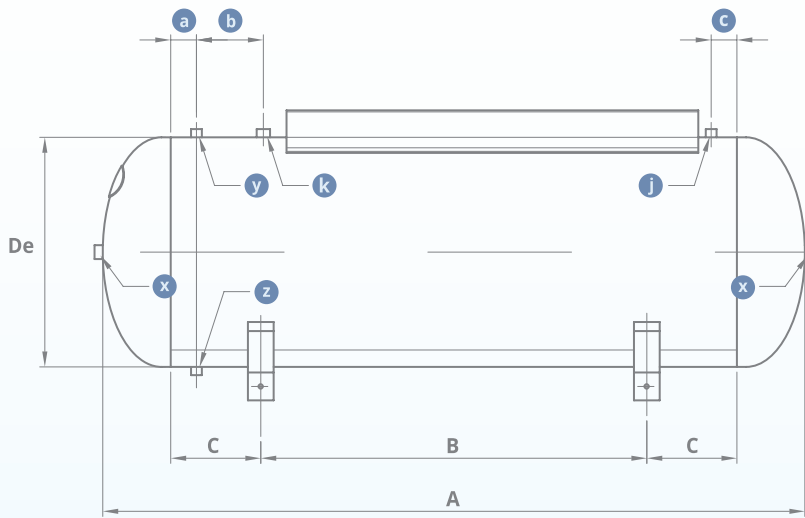
2014/29/UE

OPERATING PRESSURE

11 bar

OPERATING TEMPERATURE

-10 +120°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | E  | F  | H  | a  | b  | c  | x     | y     | k     | j     | z     | PLATE DIMENSIONS | WEIGHT |    |
|------|-----------|----------|--------------------|----|----|----|----|----|----|----|----|----|----|-------|-------|-------|-------|-------|------------------|--------|----|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | inch. | mm               | mm     | Kg |

## RAL 5015\*

|          |            |     |    |     |      |      |     |     |     |     |    |     |    |      |      |      |      |      |     |     |     |
|----------|------------|-----|----|-----|------|------|-----|-----|-----|-----|----|-----|----|------|------|------|------|------|-----|-----|-----|
| VEC04713 | 2014/29/UE | 50  | 11 | 305 | 784  | 100  | 400 | 239 | 285 | 203 | 60 | 60  | 60 | 1/2" | 1/2" | -    | 1/2" | 3/8" | 220 | 400 | 24  |
| VEC04711 | 2014/29/UE | 100 | 11 | 370 | 1016 | 550  | 125 | 352 | 306 | 258 | 45 | 80  | 45 | 1/2" | 3/8" | 1/2" | 3/8" | 3/8" | 220 | 400 | 34  |
| VEC04709 | 2014/29/UE | 200 | 11 | 446 | 1364 | 750  | 175 | 440 | 385 | 288 | 50 | 130 | 50 | 1/2" | 3/8" | 1/2" | 1/2" | 3/8" | 240 | 800 | 65  |
| VEC04707 | 2014/29/UE | 270 | 11 | 500 | 1458 | 800  | 175 | 456 | 402 | 315 | 50 | 130 | 50 | 1/2" | 3/8" | 1"   | 1/2" | 3/8" | 240 | 800 | 77  |
| VEC04705 | 2014/29/UE | 500 | 11 | 600 | 1858 | 1205 | 148 | 530 | 470 | 396 | 60 | 155 | 60 | 2"   | 3/8" | 1"   | 1/2" | 3/8" | 300 | 800 | 143 |

## GALVANIZED

|          |            |     |    |     |      |      |     |     |     |     |    |     |    |    |      |      |      |      |     |     |     |
|----------|------------|-----|----|-----|------|------|-----|-----|-----|-----|----|-----|----|----|------|------|------|------|-----|-----|-----|
| VEC04714 | 2014/29/UE | 50  | 11 | 305 | 784  | 100  | 400 | 239 | 285 | 203 | 60 | 60  | 60 | 1" | 1/2" | -    | 1/2" | 3/8" | 220 | 400 | 25  |
| VEC04712 | 2014/29/UE | 100 | 11 | 370 | 1016 | 550  | 125 | 352 | 306 | 258 | 45 | 80  | 45 | 2" | 3/8" | 1/2" | 3/8" | 3/8" | 220 | 400 | 38  |
| VEC04710 | 2014/29/UE | 200 | 11 | 446 | 1364 | 750  | 175 | 440 | 385 | 288 | 50 | 130 | 50 | 2" | 3/8" | 1/2" | 1/2" | 3/8" | 240 | 800 | 70  |
| VEC04708 | 2014/29/UE | 270 | 11 | 500 | 1458 | 800  | 175 | 456 | 402 | 315 | 50 | 130 | 50 | 2" | 3/8" | 1"   | 1/2" | 3/8" | 240 | 800 | 81  |
| VEC04706 | 2014/29/UE | 500 | 11 | 600 | 1858 | 1205 | 148 | 530 | 470 | 396 | 60 | 155 | 60 | 2" | 3/8" | 1"   | 1/2" | 3/8" | 300 | 800 | 149 |

-10°C AIR VESSELS

# VERTICAL

PAINTED

11 • 12 • 16 bar

## MATERIAL

Carbon steel

## FLUID CONTENT

Compressed air / Nitrogen (group 2)

## FINISHING

External Ral 5015 blue paint (standard)

## DIRECTIVE

## OPERATING PRESSURE

## OPERATING TEMPERATURE

2014/29/UE

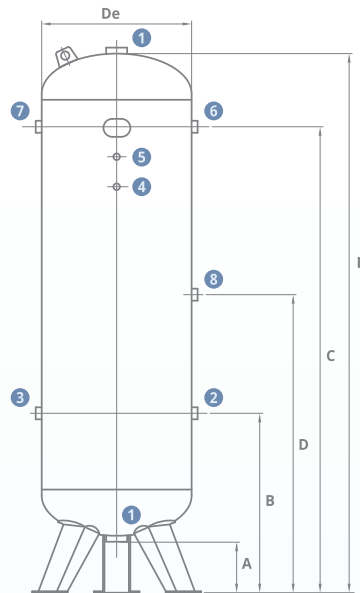
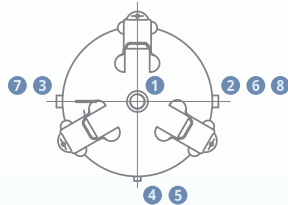
11/16 bar

-10 +120°C

2014/68/UE(PED)

12/16 bar

-10 +50°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | D  | L  | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|----|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | inch. | inch. | inch. | inch. | Kg     |

## RAL 5015\*

|          |                 |      |    |      |     |     |      |      |      |      |      |    |      |      |    |      |    |     |
|----------|-----------------|------|----|------|-----|-----|------|------|------|------|------|----|------|------|----|------|----|-----|
| VEC00644 | 2014/29/UE      | 100  | 11 | 370  | 180 | 355 | 1055 | =    | 1213 | 1/2" | 3/4" | =  | 3/8" | 3/8" | =  | 3/4" | =  | 31  |
| VEC00709 | 2014/29/UE      | 150  | 11 | 396  | 170 | 385 | 1210 | =    | 1430 | 1/2" | 1"   | =  | 3/8" | 3/8" | =  | 1"   | =  | 44  |
| VEC00645 | 2014/29/UE      | 200  | 11 | 446  | 175 | 400 | 1225 | =    | 1557 | 1/2" | 1"   | =  | 3/8" | 3/8" | =  | 1"   | =  | 55  |
| VEC00478 | 2014/29/UE      | 270  | 11 | 500  | 175 | 599 | 1304 | =    | 1648 | 1/2" | 1"   | 1" | =    | 3/8" | 1" | =    | =  | 67  |
| VEC00493 | 2014/29/UE      | 500  | 11 | 600  | 155 | 785 | 1665 | =    | 2050 | 1/2" | 1"   | 1" | =    | 3/8" | 1" | 1"   | =  | 115 |
| VEC00370 | 2014/29/UE      | 500  | 11 | 600  | 155 | 785 | 1665 | =    | 2050 | 2"   | 2"   | 2" | =    | 3/8" | 2" | 2"   | =  | 116 |
| VEC06236 | 2014/29/UE      | 720  | 11 | 800  | 145 | 580 | 1310 | =    | 1745 | 2"   | 2"   | 2" | 3/8" | 3/8" | 2" | 2"   | =  | 155 |
| VEC05025 | 2014/29/UE      | 900  | 11 | 800  | 145 | 875 | 1805 | =    | 2140 | 2"   | 2"   | 2" | 3/8" | 3/8" | 2" | 2"   | =  | 194 |
| VEC00518 | 2014/68/UE(PED) | 1000 | 12 | 800  | 145 | 770 | 1720 | =    | 2350 | 2"   | 2"   | 2" | 3/8" | 3/8" | 2" | 2"   | =  | 210 |
| VEC00525 | 2014/68/UE(PED) | 1500 | 12 | 1000 | 170 | 680 | 1780 | =    | 2305 | 2"   | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | =  | 320 |
| VEC00528 | 2014/68/UE(PED) | 2000 | 12 | 1100 | 200 | 770 | 1970 | =    | 2490 | 2"   | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | =  | 388 |
| VEC00530 | 2014/68/UE(PED) | 2000 | 12 | 1100 | 200 | 770 | 1970 | =    | 2490 | 2"   | 3"   | 3" | 1/2" | 1/2" | 3" | 3"   | =  | 390 |
| VEC00535 | 2014/68/UE(PED) | 3000 | 12 | 1200 | 140 | 830 | 2250 | 1540 | 2990 | 2"   | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 2" | 594 |
| VEC01360 | 2014/68/UE(PED) | 3000 | 12 | 1200 | 140 | 830 | 2250 | 1540 | 2990 | 2"   | 3"   | 3" | 1/2" | 1/2" | 3" | 3"   | 3" | 596 |
| VEC00879 | 2014/29/UE      | 270  | 16 | 500  | 175 | 599 | 1304 | =    | 1648 | 1/2" | 1"   | 1" | =    | 3/8" | 1" | =    | =  | 101 |
| VEC00139 | 2014/29/UE      | 500  | 16 | 600  | 155 | 785 | 1665 | =    | 2050 | 2"   | 2"   | 2" | =    | 3/8" | 2" | 2"   | =  | 145 |
| VEC00366 | 2014/68/UE(PED) | 1000 | 16 | 800  | 145 | 770 | 1720 | =    | 2350 | 2"   | 2"   | 2" | 3/8" | 3/8" | 2" | 2"   | =  | 245 |
| VEC01058 | 2014/68/UE(PED) | 1500 | 16 | 1000 | 170 | 680 | 1780 | =    | 2305 | 2"   | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | =  | 423 |
| VEC00532 | 2014/68/UE(PED) | 2000 | 16 | 1000 | 170 | 770 | 2185 | =    | 2740 | 2"   | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | =  | 450 |
| VEC00537 | 2014/68/UE(PED) | 3000 | 16 | 1200 | 140 | 830 | 2250 | 1540 | 2990 | 2"   | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 2" | 630 |

# VERTICAL

## GALVANIZED

11 • 12 • 16 bar

### MATERIAL

Carbon steel suitable for galvanization

### FLUID CONTENT

Compressed air / Nitrogen (group 2)

### FINISHING

Internal and external hot-dip galvanization

### DIRECTIVE

### OPERATING PRESSURE

### OPERATING TEMPERATURE

2014/29/UE

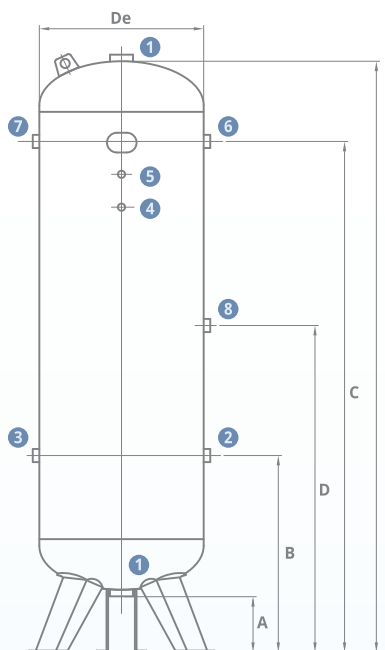
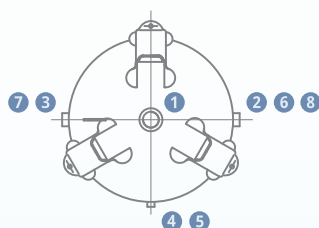
11/16 bar

-10 +120°C

2014/68/UE(PED)

12/16 bar

-10 +50°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | D  | L  | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|----|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | inch. | inch. | inch. | inch. | Kg     |

## GALVANIZED

|          |                 |      |    |      |     |     |      |      |      |    |      |    |      |      |      |      |    |     |
|----------|-----------------|------|----|------|-----|-----|------|------|------|----|------|----|------|------|------|------|----|-----|
| VEC00901 | 2014/29/UE      | 100  | 11 | 370  | 170 | 355 | 1055 | =    | 1213 | 2" | 3/4" | =  | 3/8" | 3/8" | =    | 3/4" | =  | 32  |
| VEC02471 | 2014/29/UE      | 150  | 11 | 396  | 170 | 385 | 1210 | =    | 1430 | 2" | 1"   | =  | 3/8" | 3/8" | =    | 1"   | =  | 46  |
| VEC00908 | 2014/29/UE      | 200  | 11 | 446  | 170 | 400 | 1225 | =    | 1557 | 2" | 1"   | =  | 3/8" | 3/8" | =    | 1"   | =  | 57  |
| VEC00909 | 2014/29/UE      | 270  | 11 | 500  | 170 | 599 | 1304 | =    | 1648 | 2" | 1"   | 1" | =    | 3/8" | 1"   | =    | =  | 70  |
| VEC00906 | 2014/29/UE      | 500  | 11 | 600  | 155 | 785 | 1665 | =    | 2050 | 2" | 2"   | 2" | =    | 3/8" | 2"   | 2"   | =  | 119 |
| VEC05980 | 2014/29/UE      | 720  | 11 | 800  | 145 | 580 | 1310 | =    | 1745 | 2" | 2"   | 2" | 3/8" | 3/8" | 2"   | 2"   | =  | 155 |
| VEC04703 | 2014/29/UE      | 900  | 11 | 800  | 145 | 875 | 1805 | =    | 2140 | 2" | 2"   | 2" | 3/8" | 3/8" | 2"   | 2"   | =  | 198 |
| VEC00519 | 2014/68/UE(PED) | 1000 | 12 | 800  | 145 | 770 | 1720 | =    | 2350 | 2" | 2"   | 2" | 2"   | 3/8" | 3/8" | 2"   | =  | 214 |
| VEC00526 | 2014/68/UE(PED) | 1500 | 12 | 1000 | 170 | 680 | 1780 | =    | 2305 | 2" | 2"   | 2" | 2"   | 1/2" | 1/2" | 2"   | =  | 325 |
| VEC00529 | 2014/68/UE(PED) | 2000 | 12 | 1100 | 200 | 770 | 1970 | =    | 2490 | 2" | 2"   | 2" | 2"   | 1/2" | 1/2" | 2"   | =  | 394 |
| VEC02276 | 2014/68/UE(PED) | 2000 | 12 | 1100 | 200 | 770 | 1970 | =    | 2490 | 2" | 3"   | 3" | 1/2" | 1/2" | 3"   | 3"   | =  | 398 |
| VEC00536 | 2014/68/UE(PED) | 3000 | 12 | 1200 | 140 | 830 | 2250 | 1540 | 2990 | 2" | 2"   | 2" | 2"   | 1/2" | 1/2" | 2"   | 2" | 600 |
| VEC01368 | 2014/68/UE(PED) | 3000 | 12 | 1200 | 140 | 830 | 2250 | 1540 | 2990 | 2" | 3"   | 3" | 1/2" | 1/2" | 3"   | 3"   | 3" | 604 |
| VEC00900 | 2014/29/UE      | 270  | 16 | 500  | 170 | 599 | 1304 | =    | 1648 | 2" | 1"   | 1" | =    | 3/8" | 1"   | =    | =  | 104 |
| VEC00500 | 2014/29/UE      | 500  | 16 | 600  | 155 | 785 | 1665 | =    | 2050 | 2" | 2"   | 2" | =    | 3/8" | 2"   | 2"   | =  | 149 |
| VEC00402 | 2014/68/UE(PED) | 1000 | 16 | 800  | 150 | 770 | 1720 | =    | 2350 | 2" | 2"   | 2" | 3/8" | 3/8" | 2"   | 2"   | =  | 249 |
| VEC02278 | 2014/68/UE(PED) | 1500 | 16 | 1000 | 170 | 680 | 1780 | =    | 2305 | 2" | 2"   | 2" | 1/2" | 1/2" | 2"   | 2"   | =  | 428 |
| VEC00533 | 2014/68/UE(PED) | 2000 | 16 | 1000 | 170 | 770 | 2185 | =    | 2740 | 2" | 2"   | 2" | 1/2" | 1/2" | 2"   | 2"   | =  | 455 |
| VEC00538 | 2014/68/UE(PED) | 3000 | 16 | 1200 | 140 | 830 | 2250 | 1540 | 2990 | 2" | 2"   | 2" | 1/2" | 1/2" | 2"   | 2"   | 2" | 635 |



-10°C AIR VESSELS

# VERTICAL

ALM 11 • 12 • 16 bar

## MATERIAL

Carbon steel suitable for galvanization

## FLUID CONTENT

Compressed air / Nitrogen (group 2)

## FINISHING

External Ral 5015 blue paint (standard)

Internal Ral 5005 ALM paint

DIRECTIVE

2014/29/UE

2014/68/UE(PED)

OPERATING PRESSURE

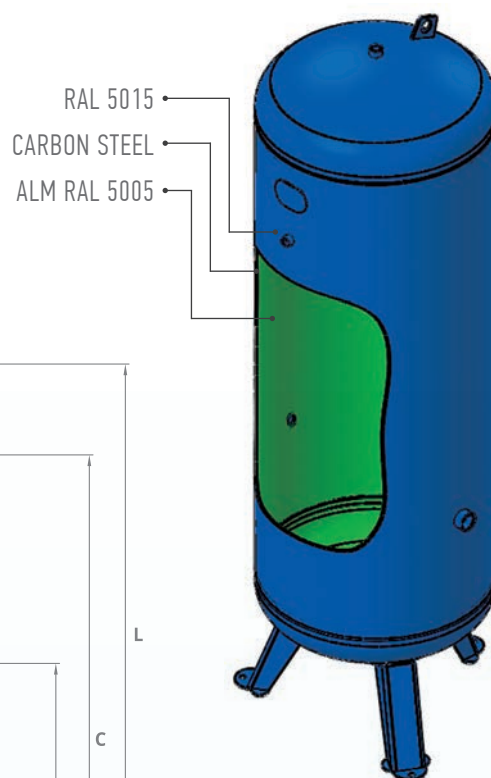
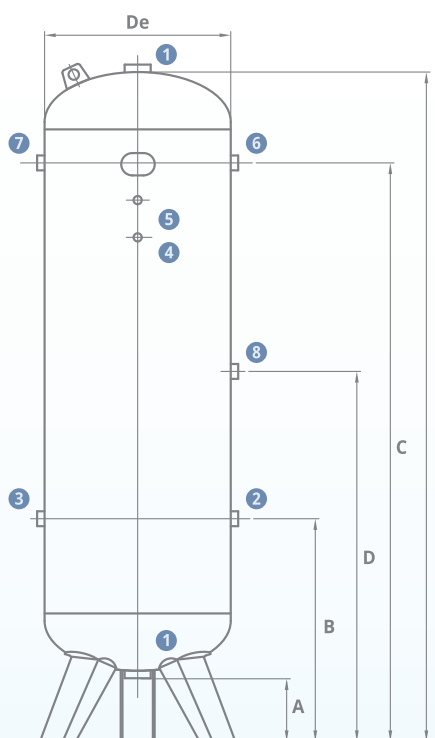
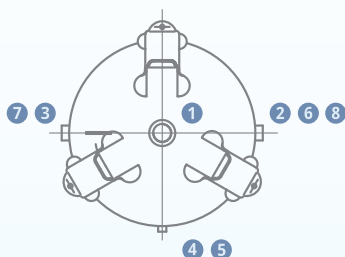
11/16 bar

12/16 bar

OPERATING TEMPERATURE

-10 +120°C

-10 +50°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | D  | L  | 1  | 2  | 3  | 4  | 5     | 6     | 7     | 8     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|----|----|----|----|----|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | Kg     |

## ALM

|          |                 |      |    |      |     |     |      |      |      |      |    |    |      |      |    |    |    |     |
|----------|-----------------|------|----|------|-----|-----|------|------|------|------|----|----|------|------|----|----|----|-----|
| VEC01125 | 2014/29/UE      | 270  | 11 | 500  | 170 | 599 | 1304 | =    | 1648 | 2"   | 1" | 1" | =    | 3/8" | 1" | =  | =  | 67  |
| VEC01118 | 2014/29/UE      | 500  | 11 | 600  | 155 | 785 | 1665 | =    | 2050 | 2"   | 2" | 2" | =    | 3/8" | 2" | 2" | =  | 116 |
| VEC01119 | 2014/29/UE      | 720  | 11 | 800  | 145 | 880 | 1310 | =    | 1745 | 2"   | 2" | 2" | 3/8" | 3/8" | 2" | 2" | =  | 155 |
| VEC01120 | 2014/29/UE      | 900  | 11 | 800  | 145 | 875 | 1805 | =    | 2140 | 2"   | 2" | 2" | 3/8" | 3/8" | 2" | 2" | =  | 194 |
| VEC01116 | 2014/68/UE(PED) | 1000 | 12 | 800  | 145 | 770 | 1720 | =    | 2350 | 2"   | 2" | 2" | 3/8" | 3/8" | 2" | 2" | =  | 210 |
| VEC01121 | 2014/68/UE(PED) | 1500 | 12 | 1000 | 170 | 680 | 1780 | =    | 2305 | 2"   | 2" | 2" | 1/2" | 1/2" | 2" | 2" | =  | 320 |
| VEC01122 | 2014/68/UE(PED) | 2000 | 12 | 1100 | 200 | 770 | 1970 | =    | 2490 | 2"   | 2" | 2" | 1/2" | 1/2" | 2" | 2" | =  | 388 |
| VEC01123 | 2014/68/UE(PED) | 3000 | 12 | 1200 | 140 | 830 | 2250 | 1540 | 2990 | 2"   | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 2" | 594 |
| VEC01935 | 2014/29/UE      | 270  | 16 | 500  | 175 | 599 | 1304 | =    | 1648 | 1/2" | 1" | 1" | =    | 3/8" | 1" | =  | =  | 101 |
| VEC02279 | 2014/29/UE      | 500  | 16 | 600  | 155 | 785 | 1665 | =    | 2050 | 2"   | 2" | 2" | =    | 3/8" | 2" | 2" | =  | 145 |
| VEC02310 | 2014/68/UE(PED) | 1000 | 16 | 800  | 145 | 770 | 1720 | =    | 2350 | 2"   | 2" | 2" | 3/8" | 3/8" | 2" | 2" | =  | 245 |
| VEC02143 | 2014/68/UE(PED) | 2000 | 16 | 1000 | 170 | 770 | 2185 | =    | 2740 | 2"   | 2" | 2" | 1/2" | 1/2" | 2" | 2" | =  | 450 |
| VEC02464 | 2014/68/UE(PED) | 3000 | 16 | 1200 | 140 | 830 | 2250 | 1540 | 2990 | 2"   | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 2" | 630 |

-10°C AIR VESSELS

# VERTICAL VACUUM PAINTED

## MATERIAL

Carbon steel

## FLUID CONTENT

Compressed air / Nitrogen (group 2)

## FINISHING

External Ral 5015 blue paint (standard)

## UPON REQUEST

Horizontal version

## DIRECTIVE

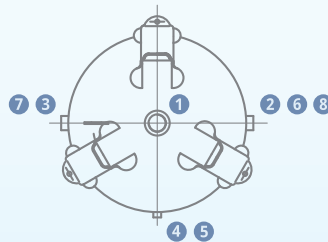
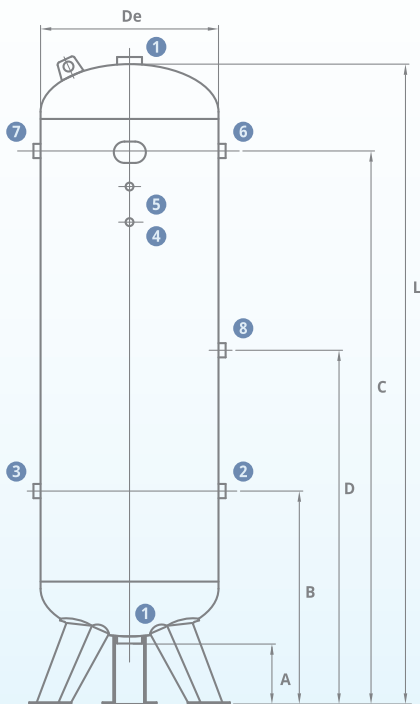
Manufacturer testing

## OPERATING PRESSURE

-1 bar

## OPERATING TEMPERATURE

-10 +120°C



A vacuum system is required in certain industrial process operations in order to prevent chemical or physical processes caused by the action of atmospheric gases.

The vessels are used to reproduce a setting where gas pressure is lower than the atmospheric one. Vacuum vessels are not governed by any Directive and are therefore excluded from CE marking requirements.

All vessels are supplied with name plate bearing Manufacturer's name, operating temperature, operating pressure and product's serial number.

| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | D  | L  | 1     | 2     | 3     | 4     | 5     | 6     | 7 - 8 | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|----|-------|-------|-------|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | inch. | inch. | inch. | Kg     |

## RAL 5015\*

|          |       |      |    |      |     |     |      |      |      |    |      |    |      |      |    |     |     |
|----------|-------|------|----|------|-----|-----|------|------|------|----|------|----|------|------|----|-----|-----|
| VAC00041 | ===== | 100  | -1 | 370  | 180 | 355 | 1055 | =    | 1213 | 2" | 3/4" | =  | 3/8" | 3/8" | =  | 3/4 | 40  |
| VAC00012 | ===== | 270  | -1 | 500  | 170 | 599 | 1304 | =    | 1648 | 2" | 1"   | 1" | =    | 3/8" | 1" | =   | 101 |
| VAC00005 | ===== | 500  | -1 | 600  | 155 | 785 | 1665 | =    | 2050 | 2" | 2"   | 2" | =    | 3/8" | 2" | 2"  | 145 |
| VAC00004 | ===== | 1000 | -1 | 800  | 145 | 760 | 1700 | =    | 2350 | 2" | 2"   | 2" | 3/8" | 3/8" | 2" | 2"  | 245 |
| VAC00006 | ===== | 2000 | -1 | 1100 | 200 | 770 | 1970 | =    | 2490 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"  | 450 |
| VAC00013 | ===== | 3000 | -1 | 1200 | 140 | 830 | 2250 | 1540 | 2990 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"  | 630 |

-10°C AIR VESSELS

# VERTICAL AUTOCLAVE GALVANIZED

## MATERIAL

Carbon steel suitable for galvanization

## FLUID CONTENT

Compressed air / Water (group 2)

## FINISHING

Internal and external hot-dip galvanization

## UPON REQUEST

Horizontal version

DIRECTIVE

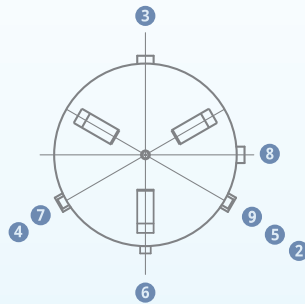
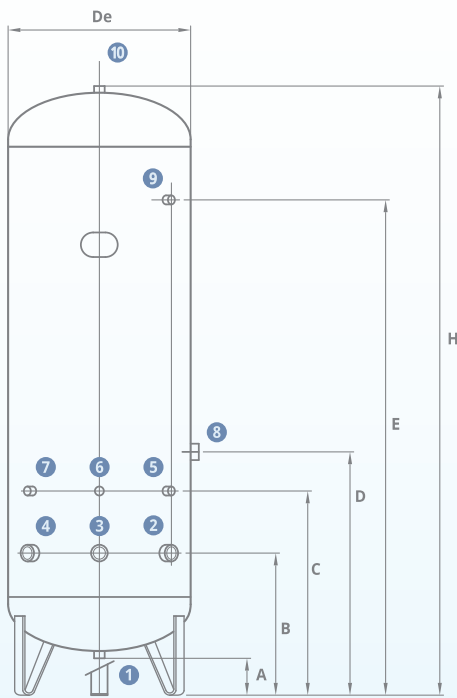
2014/68/UE(PED)

OPERATING PRESSURE

8 bar

OPERATING TEMPERATURE

-10 +50°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | DE | A  | B  | C  | D  | E  | L   | 1     | 2-3-4 | 5-6-7 | 8     | 9     | 10    | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|----|-----|-------|-------|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | mm | mm. | inch. | inch. | inch. | inch. | inch. | inch. | Kg     |

## GALVANIZED

|          |                 |      |   |     |     |     |      |      |      |      |    |       |      |       |      |    |     |
|----------|-----------------|------|---|-----|-----|-----|------|------|------|------|----|-------|------|-------|------|----|-----|
| VEC01254 | 2014/68/UE(PED) | 100  | 8 | 370 | 85  | 345 | 515  | 615  | 815  | 1145 | 2" | 1"    | 1/2" | 1"1/4 | 1/2" | 2" | 34  |
| VEC01256 | 2014/68/UE(PED) | 200  | 8 | 446 | 80  | 360 | 684  | 784  | 1184 | 1488 | 2" | 1"    | 1/2" | 1"1/4 | 1/2" | 2" | 57  |
| VEC01257 | 2014/68/UE(PED) | 200  | 8 | 500 | 80  | 360 | 669  | 769  | 1160 | 1461 | 2" | 1"    | 1/2" | 1"1/4 | 1/2" | 2" | 59  |
| VEC01259 | 2014/68/UE(PED) | 300  | 8 | 500 | 130 | 425 | 856  | 956  | 1356 | 1782 | 2" | 1"1/4 | 1/2" | 1"1/4 | 1/2" | 2" | 73  |
| VEC01260 | 2014/68/UE(PED) | 300  | 8 | 550 | 130 | 432 | 732  | 832  | 1225 | 1530 | 2" | 1"1/4 | 1/2" | 1"1/4 | 1/2" | 2" | 73  |
| VEC01261 | 2014/68/UE(PED) | 500  | 8 | 600 | 120 | 440 | 944  | 1044 | 1594 | 1968 | 2" | 1"1/2 | 1/2" | 1"1/4 | 1/2" | 2" | 106 |
| VEC01262 | 2014/68/UE(PED) | 500  | 8 | 650 | 120 | 440 | 840  | 940  | 1490 | 1802 | 2" | 1"1/2 | 1/2" | 1"1/4 | 1/2" | 2" | 94  |
| VEC01264 | 2014/68/UE(PED) | 750  | 8 | 750 | 100 | 500 | 950  | 1050 | 1700 | 1984 | 2" | 2"    | 1/2" | 1"1/4 | 1/2" | 2" | 125 |
| VEC01265 | 2014/68/UE(PED) | 750  | 8 | 800 | 110 | 465 | 865  | 965  | 1430 | 1820 | 2" | 2"    | 1/2" | 1"1/4 | 1/2" | 2" | 127 |
| VEC01266 | 2014/68/UE(PED) | 1000 | 8 | 800 | 115 | 525 | 1025 | 1125 | 1875 | 2319 | 2" | 2"    | 1/2" | 1"1/4 | 1/2" | 2" | 189 |



-20°C AIR VESSELS



-20°C AIR VESSELS

# VERTICAL

PAINTED

11 • 12 • 16 bar

## MATERIAL

Carbon steel

## FLUID CONTENT

Compressed air / Nitrogen / Argon / Helium /  
Oil / Oxygen (group 1 hydrogen excluded)

## FINISHING

External Ral 5015 blue paint (standard)

## UPON REQUEST

Inspection ports

100x150 mm handhole (from 1000 to 3000 lt)

Flanged connections

Horizontal version

## DIRECTIVE

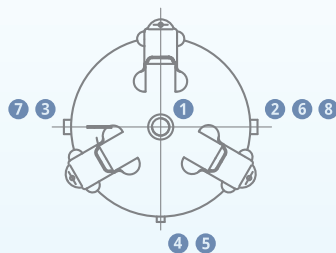
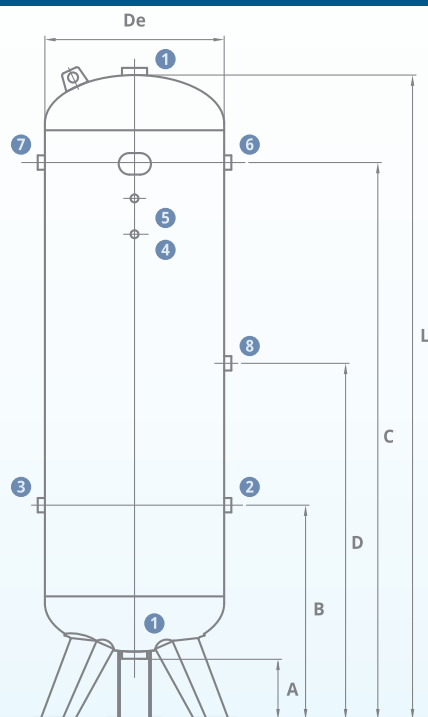
## OPERATING PRESSURE

## OPERATING TEMPERATURE

2014/68/UE(PED) 2014/68/UE(PED)

11/16 bar 12/16 bar

\*-20 +50°C -20 +80°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | L  | 1     | 2     | 3     | 4     | 5     | 6     | 7     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|-------|-------|-------|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | inch. | inch. | inch. | Kg     |

## RAL 5015\*

|          |                 |      |    |      |     |     |      |      |    |    |    |      |      |    |    |     |
|----------|-----------------|------|----|------|-----|-----|------|------|----|----|----|------|------|----|----|-----|
| VEC02287 | 2014/68/UE(PED) | *500 | 11 | 600  | 155 | 785 | 1665 | 2050 | 2" | 2" | 2" | =    | 3/8" | 2" | 2" | 116 |
| VEC01656 | 2014/68/UE(PED) | 1000 | 12 | 800  | 145 | 770 | 1720 | 2350 | 2" | 2" | 2" | 3/8" | 3/8" | 2" | 2" | 210 |
| VEC01987 | 2014/68/UE(PED) | 1500 | 12 | 1000 | 170 | 680 | 1780 | 2305 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 320 |
| VEC01657 | 2014/68/UE(PED) | 2000 | 12 | 1100 | 200 | 770 | 1970 | 2490 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 388 |
| VEC01658 | 2014/68/UE(PED) | 3000 | 12 | 1200 | 140 | 830 | 2250 | 2990 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 594 |
| VEC02289 | 2014/68/UE(PED) | *500 | 16 | 600  | 155 | 785 | 1665 | 2050 | 2" | 2" | 2" | =    | 3/8" | 2" | 2" | 145 |
| VEC01918 | 2014/68/UE(PED) | 1000 | 16 | 800  | 145 | 770 | 1720 | 2350 | 2" | 2" | 2" | 3/8" | 3/8" | 2" | 2" | 245 |
| VEC02290 | 2014/68/UE(PED) | 1500 | 16 | 1000 | 170 | 680 | 1780 | 2305 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 423 |
| VEC02288 | 2014/68/UE(PED) | 2000 | 16 | 1000 | 170 | 800 | 2130 | 2740 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 450 |
| VEC02051 | 2014/68/UE(PED) | 3000 | 16 | 1200 | 140 | 830 | 2250 | 2990 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 630 |

# VERTICAL

## GALVANIZED - ALM

11 • 12 • 16 bar

### MATERIAL

Carbon steel

### FLUID CONTENT

Compressed air / Nitrogen / Argon / Helium /  
Oil / Oxygen (group 1 hydrogen excluded)

### FINISHING

**GALVANIZED:** internal and external hot-dip galvanization

**ALM:** External Ral 5015 blue paint (standard) and Internal Ral 5005 ALM paint

### UPON REQUEST

Inspection ports

100x150 mm handhole (from 1000 to 3000 lt)

Flanged connections

Horizontal version

### DIRECTIVE

### OPERATING PRESSURE

### OPERATING TEMPERATURE

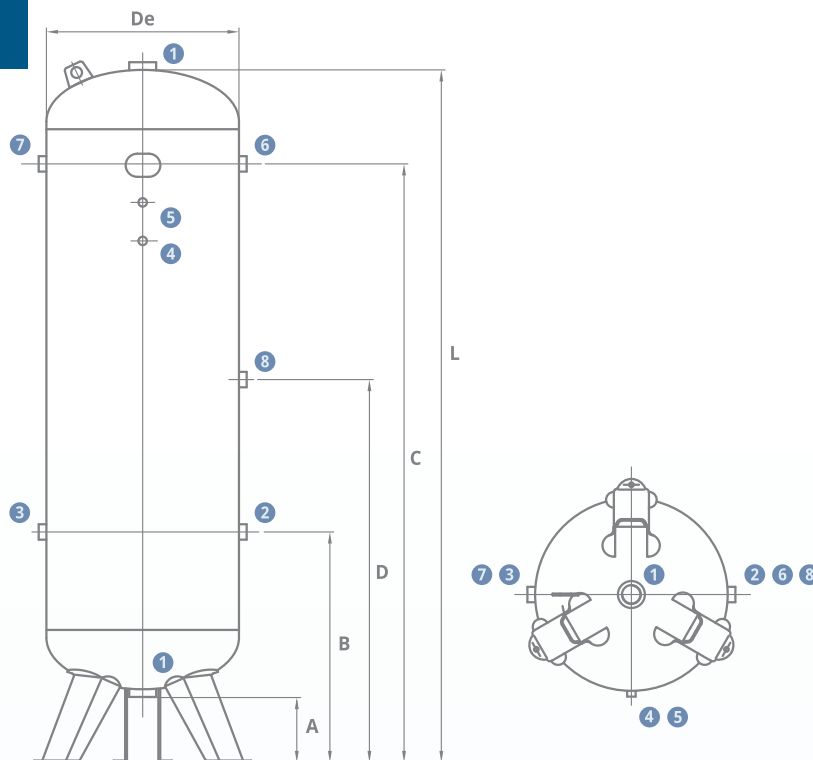
2014/68/UE(PED) 2014/68/UE(PED)

11 bar

12 bar

\*-20 +50°C

-20 +80°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | L  | 1     | 2     | 3     | 4     | 5     | 6     | 7     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|-------|-------|-------|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | inch. | inch. | inch. | Kg     |

## GALVANIZED

|          |                 |      |    |      |     |     |      |      |    |    |    |      |      |    |    |     |
|----------|-----------------|------|----|------|-----|-----|------|------|----|----|----|------|------|----|----|-----|
| VEC02291 | 2014/68/UE(PED) | *500 | 11 | 600  | 155 | 785 | 1665 | 2050 | 2" | 2" | 2" | =    | 3/8" | 2" | 2" | 119 |
| VEC02292 | 2014/68/UE(PED) | 1000 | 12 | 800  | 145 | 770 | 1720 | 2350 | 2" | 2" | 2" | 3/8" | 3/8" | 2" | 2" | 214 |
| VEC02293 | 2014/68/UE(PED) | 1500 | 12 | 1000 | 170 | 680 | 1780 | 2305 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 325 |
| VEC02294 | 2014/68/UE(PED) | 2000 | 12 | 1100 | 200 | 770 | 1970 | 2490 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 394 |
| VEC02295 | 2014/68/UE(PED) | 3000 | 12 | 1200 | 140 | 830 | 2250 | 2990 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 600 |
| VEC02296 | 2014/68/UE(PED) | *500 | 16 | 600  | 155 | 785 | 1665 | 2050 | 2" | 2" | 2" | =    | 3/8" | 2" | 2" | 149 |
| VEC02297 | 2014/68/UE(PED) | 1000 | 16 | 800  | 145 | 770 | 1720 | 2350 | 2" | 2" | 2" | 3/8" | 3/8" | 2" | 2" | 249 |
| VEC02298 | 2014/68/UE(PED) | 1500 | 16 | 1000 | 170 | 680 | 1780 | 2305 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 428 |
| VEC02299 | 2014/68/UE(PED) | 2000 | 16 | 1000 | 170 | 800 | 2130 | 2740 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 455 |
| VEC02300 | 2014/68/UE(PED) | 3000 | 16 | 1200 | 140 | 830 | 2250 | 2990 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 635 |

## ALM

|          |                 |      |    |      |     |     |      |      |    |    |    |      |      |    |    |     |
|----------|-----------------|------|----|------|-----|-----|------|------|----|----|----|------|------|----|----|-----|
| VEC02302 | 2014/68/UE(PED) | *500 | 11 | 600  | 155 | 785 | 1665 | 2050 | 2" | 2" | 2" | =    | 3/8" | 2" | 2" | 116 |
| VEC02303 | 2014/68/UE(PED) | 1000 | 12 | 800  | 145 | 770 | 1720 | 2350 | 2" | 2" | 2" | 3/8" | 3/8" | 2" | 2" | 210 |
| VEC02304 | 2014/68/UE(PED) | 1500 | 12 | 1000 | 170 | 680 | 1780 | 2305 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 320 |
| VEC02305 | 2014/68/UE(PED) | 2000 | 12 | 1100 | 200 | 770 | 1970 | 2490 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 388 |
| VEC02306 | 2014/68/UE(PED) | 3000 | 12 | 1200 | 140 | 830 | 2250 | 2990 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 594 |
| VEC02307 | 2014/68/UE(PED) | *500 | 16 | 600  | 155 | 785 | 1665 | 2050 | 2" | 2" | 2" | =    | 3/8" | 2" | 2" | 145 |
| VEC02074 | 2014/68/UE(PED) | 1000 | 16 | 800  | 145 | 770 | 1720 | 2350 | 2" | 2" | 2" | 3/8" | 3/8" | 2" | 2" | 245 |
| VEC02308 | 2014/68/UE(PED) | 1500 | 16 | 1000 | 170 | 680 | 1780 | 2305 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 423 |
| VEC02309 | 2014/68/UE(PED) | 2000 | 16 | 1000 | 170 | 800 | 2130 | 2740 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 452 |
| VEC02247 | 2014/68/UE(PED) | 3000 | 16 | 1200 | 140 | 830 | 2250 | 2990 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 630 |

-20°C AIR VESSELS

# VERTICAL FOR OXYGEN PAINTED

## MATERIAL

Carbon steel

## FLUID CONTENT

Oxygen (group 1 hydrogen excluded)

## FINISHING

External Ral 9010 white paint

Internal Ral 5005 ALM paint

## UPON REQUEST

Inspection ports

100x150 mm handhole

300x400 mm manhole

Flanged connections

Horizontal version

## DIRECTIVE

## OPERATING PRESSURE

## OPERATING TEMPERATURE

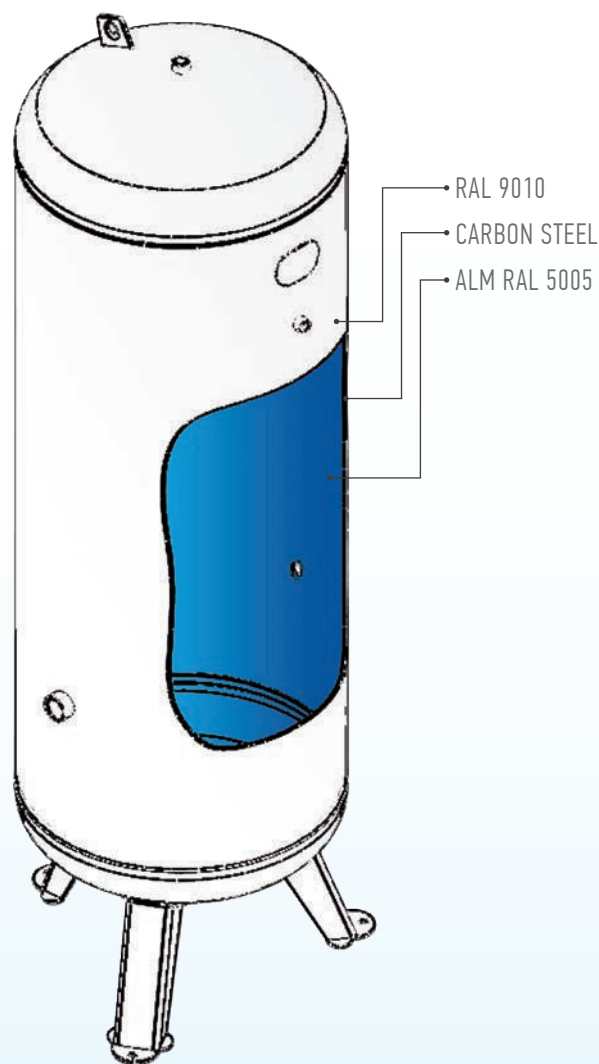
2014/68/UE(PED) 2014/68/UE(PED)

11 bar

12 bar

\*-20 +50°C

-20 +80°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | L  | 1     | 2     | 3     | 4     | 5     | 6     | 7     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|-------|-------|-------|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | inch. | inch. | inch. | Kg     |

## RAL 9010 + ALM

|          |                 |       |    |      |     |     |      |      |    |    |    |      |      |    |    |     |
|----------|-----------------|-------|----|------|-----|-----|------|------|----|----|----|------|------|----|----|-----|
| VEC02176 | 2014/68/UE(PED) | * 500 | 11 | 600  | 155 | 785 | 1665 | 2050 | 2" | 2" | 2" | =    | 3/8" | 2" | 2" | 116 |
| VEC03412 | 2014/68/UE(PED) | 800   | 12 | 800  | 145 | 875 | 1605 | 1940 | 2" | 2" | 2" | 3/8" | 3/8" | 2" | 2" | 180 |
| VEC01719 | 2014/68/UE(PED) | 1000  | 12 | 800  | 145 | 770 | 1720 | 2350 | 2" | 2" | 2" | 3/8" | 3/8" | 2" | 2" | 210 |
| VEC01720 | 2014/68/UE(PED) | 1500  | 12 | 1000 | 170 | 680 | 1780 | 2305 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 320 |
| VEC01721 | 2014/68/UE(PED) | 2000  | 12 | 1100 | 200 | 770 | 1970 | 2490 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 388 |
| VEC01722 | 2014/68/UE(PED) | 3000  | 12 | 1200 | 140 | 830 | 2250 | 2990 | 2" | 2" | 2" | 1/2" | 1/2" | 2" | 2" | 594 |
| VEC01723 | 2014/68/UE(PED) | 4000  | 12 | 1450 | 225 | 800 | 2145 | 2790 | 2" | 3" | 3" | 3/4" | 3/8" | =  | 3" | 835 |
| VEC01724 | 2014/68/UE(PED) | 5000  | 12 | 1450 | 225 | 800 | 2745 | 3390 | 2" | 3" | 3" | 3/4" | 3/8" | =  | 3" | 962 |

-20°C AIR VESSELS

# VERTICAL OVERSIZE PAINTED

## MATERIAL

Carbon steel

## FLUID CONTENT

Compressed air / Nitrogen / Argon / Helium /  
Oil / Oxygen (group 1 hydrogen excluded)

## FINISHING

External Ral 5015 blue paint (standard)

## UPON REQUEST

Inspection ports

100x150 mm handhole

300x400 mm manhole

Flanged connections

DIRECTIVE

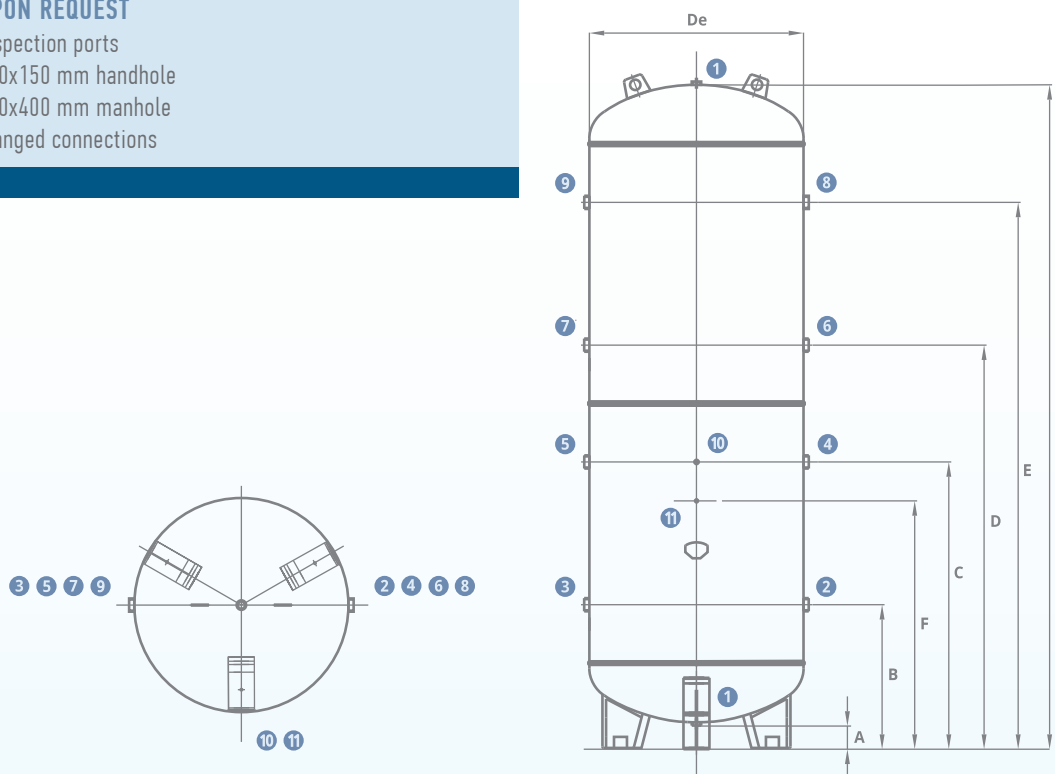
2014/68/UE(PED)

OPERATING PRESSURE

8/12/16 bar

OPERATING TEMPERATURE

-20 +80°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | DE | A  | B  | C  | D  | E  | F  | L  | 1     | 2-3-4-5 | 6-7-8-9 | 10    | 11    | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|----|----|----|-------|---------|---------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | mm | mm | mm | inch. | inch.   | inch.   | inch. | inch. | Kg     |

## RAL 5015\*

|          |                 |       |    |      |     |      |      |      |      |      |      |    |    |    |      |      |      |
|----------|-----------------|-------|----|------|-----|------|------|------|------|------|------|----|----|----|------|------|------|
| VEC02311 | 2014/68/UE(PED) | 5000  | 8  | 1650 | 175 | 1150 | 2200 | =    | =    | 1950 | 3118 | 2" | 3" | =  | 3/4" | 3/8" | 1120 |
| VEC02280 | 2014/68/UE(PED) | 8000  | 8  | 1650 | 175 | 1150 | 1930 | 2460 | 3310 | 1680 | 4318 | 2" | 3" | 3" | 3/4" | 3/8" | 1400 |
| VEC02312 | 2014/68/UE(PED) | 10000 | 8  | 1650 | 175 | 1150 | 2200 | 3150 | 4250 | 1950 | 5118 | 2" | 3" | 3" | 3/4" | 3/8" | 1730 |
| VEC01297 | 2014/68/UE(PED) | 4000  | 12 | 1450 | 225 | 800  | 2145 | =    | =    | =    | 2790 | 2" | 3" | =  | 3/4" | 3/8" | 835  |
| VEC01298 | 2014/68/UE(PED) | 5000  | 12 | 1450 | 225 | 800  | 2745 | =    | =    | =    | 3390 | 2" | 3" | =  | 3/4" | 3/8" | 962  |
| VEC00755 | 2014/68/UE(PED) | 5000  | 12 | 1650 | 175 | 1150 | 2200 | =    | =    | 1950 | 3118 | 2" | 3" | =  | 3/4" | 3/8" | 1360 |
| VEC01299 | 2014/68/UE(PED) | 6000  | 12 | 1450 | 225 | 800  | 3345 | =    | =    | =    | 3990 | 2" | 3" | =  | 3/4" | 3/8" | 1090 |
| VEC01300 | 2014/68/UE(PED) | 8000  | 12 | 1650 | 175 | 1150 | 1930 | 2460 | 3310 | 1680 | 4318 | 2" | 3" | 3" | 3/4" | 3/8" | 1730 |
| VEC00815 | 2014/68/UE(PED) | 10000 | 12 | 1650 | 175 | 1150 | 2200 | 3150 | 4250 | 1950 | 5118 | 2" | 3" | 3" | 3/4" | 3/8" | 2015 |
| VEC02666 | 2014/68/UE(PED) | 4000  | 16 | 1450 | 225 | 800  | 2145 | =    | =    | =    | 2790 | 2" | 3" | =  | 3/4" | 3/8" | 995  |
| VEC02667 | 2014/68/UE(PED) | 5000  | 16 | 1450 | 225 | 800  | 2745 | =    | =    | =    | 3390 | 2" | 3" | =  | 3/4" | 3/8" | 1145 |
| VEC02668 | 2014/68/UE(PED) | 6000  | 16 | 1450 | 225 | 800  | 3345 | =    | =    | =    | 3990 | 2" | 3" | =  | 3/4" | 3/8" | 1295 |
| VEC01899 | 2014/68/UE(PED) | 10000 | 16 | 1650 | 175 | 1150 | 2200 | 3150 | 4250 | 1950 | 5118 | 2" | 3" | 3" | 3/4" | 3/8" | 2585 |



-20°C AIR VESSELS

# VERTICAL OVERSIZE GALVANIZED -ALM

## MATERIAL

Carbon steel

## FLUID CONTENT

Compressed air / Nitrogen / Argon / Helium /  
Oil / Oxygen (group 1 hydrogen excluded)

## FINISHING

Internal and external hot-dip galvanization  
Internal Ral 5005 ALM paint

## UPON REQUEST

Inspection ports  
100x150 mm handhole  
300x400 mm manhole  
Flanged connections

DIRECTIVE

2014/68/UE(PED)

OPERATING PRESSURE

8/12/16 bar

OPERATING TEMPERATURE

-20 +80°C



| CODE | DIRECTIVE | CAPACITY | OPERATING<br>PRESSURE | DE | A  | B  | C  | D  | E  | F  | L  | 1     | 2-3-4-5 | 6-7-8-9 | 10    | 11    | WEIGHT |
|------|-----------|----------|-----------------------|----|----|----|----|----|----|----|----|-------|---------|---------|-------|-------|--------|
|      |           | Lt       | Bar                   | mm | mm | mm | mm | mm | mm | mm | mm | inch. | inch.   | inch.   | inch. | inch. | Kg     |

## GALVANIZED

|          |                 |       |    |      |     |      |      |      |      |      |      |    |    |    |      |      |      |
|----------|-----------------|-------|----|------|-----|------|------|------|------|------|------|----|----|----|------|------|------|
| VEC02281 | 2014/68/UE(PED) | 5000  | 8  | 1650 | 175 | 1150 | 2200 | =    | =    | 1950 | 3118 | 2" | 3" | =  | 3/4" | 3/8" | 1120 |
| VEC02282 | 2014/68/UE(PED) | 8000  | 8  | 1650 | 175 | 1150 | 1930 | 2460 | 3310 | 1680 | 4318 | 2" | 3" | 3" | 3/4" | 3/8" | 1400 |
| VEC02283 | 2014/68/UE(PED) | 10000 | 8  | 1650 | 175 | 1150 | 2200 | 3150 | 4250 | 1950 | 5118 | 2" | 3" | 3" | 3/4" | 3/8" | 1730 |
| VEC01725 | 2014/68/UE(PED) | 4000  | 12 | 1450 | 225 | 800  | 2145 | =    | =    | =    | 2790 | 2" | 3" | =  | 3/4" | 3/8" | 835  |
| VEC01726 | 2014/68/UE(PED) | 5000  | 12 | 1450 | 225 | 800  | 2745 | =    | =    | =    | 3390 | 2" | 3" | =  | 3/4" | 3/8" | 962  |
| VEC00856 | 2014/68/UE(PED) | 5000  | 12 | 1650 | 175 | 1150 | 2200 | =    | =    | 1950 | 3118 | 2" | 3" | =  | 3/4" | 3/8" | 1360 |
| VEC01395 | 2014/68/UE(PED) | 6000  | 12 | 1450 | 225 | 800  | 3345 | =    | =    | =    | 3990 | 2" | 3" | =  | 3/4" | 3/8" | 1090 |
| VEC01727 | 2014/68/UE(PED) | 8000  | 12 | 1650 | 175 | 1150 | 1930 | 2460 | 3310 | 1680 | 4318 | 2" | 3" | 3" | 3/4" | 3/8" | 1730 |
| VEC00982 | 2014/68/UE(PED) | 10000 | 12 | 1650 | 175 | 1150 | 2200 | 3150 | 4250 | 1950 | 5118 | 2" | 3" | 3" | 3/4" | 3/8" | 2016 |
| VEC01728 | 2014/68/UE(PED) | 4000  | 16 | 1450 | 225 | 800  | 2145 | =    | =    | =    | 2790 | 2" | 3" | =  | 3/4" | 3/8" | 995  |
| VEC01729 | 2014/68/UE(PED) | 5000  | 16 | 1450 | 225 | 800  | 2745 | =    | =    | =    | 3390 | 2" | 3" | =  | 3/4" | 3/8" | 1145 |
| VEC01730 | 2014/68/UE(PED) | 6000  | 16 | 1450 | 225 | 800  | 3345 | =    | =    | =    | 3990 | 2" | 3" | =  | 3/4" | 3/8" | 1295 |
| VEC02467 | 2014/68/UE(PED) | 10000 | 16 | 1650 | 175 | 1150 | 2200 | 3150 | 4250 | 1950 | 5118 | 2" | 3" | 3" | 3/4" | 3/8" | 2585 |

## ALM

|          |                 |       |    |      |     |      |      |      |      |      |      |    |    |    |      |      |      |
|----------|-----------------|-------|----|------|-----|------|------|------|------|------|------|----|----|----|------|------|------|
| VEC01614 | 2014/68/UE(PED) | 4000  | 12 | 1450 | 225 | 800  | 2145 | =    | =    | =    | 2790 | 2" | 3" | =  | 3/4" | 3/8" | 835  |
| VEC01344 | 2014/68/UE(PED) | 5000  | 12 | 1450 | 225 | 800  | 2745 | =    | =    | =    | 3390 | 2" | 3" | =  | 3/4" | 3/8" | 962  |
| VEC01124 | 2014/68/UE(PED) | 5000  | 12 | 1650 | 175 | 1150 | 2200 | =    | =    | 1950 | 3118 | 2" | 3" | =  | 3/4" | 3/8" | 1360 |
| VEC04723 | 2014/68/UE(PED) | 10000 | 12 | 1650 | 175 | 1150 | 2200 | 3150 | 4250 | 1950 | 5118 | 2" | 3" | 3" | 3/4" | 3/8" | 2016 |
| VEC02465 | 2014/68/UE(PED) | 4000  | 16 | 1450 | 225 | 800  | 2145 | =    | =    | =    | 2790 | 2" | 3" | =  | 3/4" | 3/8" | 995  |
| VEC02466 | 2014/68/UE(PED) | 5000  | 16 | 1450 | 225 | 800  | 2745 | =    | =    | =    | 3390 | 2" | 3" | =  | 3/4" | 3/8" | 1145 |

-20°C AIR VESSELS

# HORIZONTAL OVERSIZE

PAINTED - GALVANIZED - ALM

## MATERIAL

Carbon steel

## FLUID CONTENT

Compressed air / Nitrogen / Argon / Helium /  
Oil / Oxygen (group 1 hydrogen excluded)

## FINISHING

**RAL 5015:** External Ral 5015 blue paint (standard)

**GALVANIZED:** internal and external hot-dip galvanization

**ALM:** External Ral 5015 blue paint (standard) and Internal Ral 5005 ALM paint

## UPON REQUEST

Inspection ports

100x150 mm handhole

300x400 mm manhole

Flanged connections

DIRECTIVE

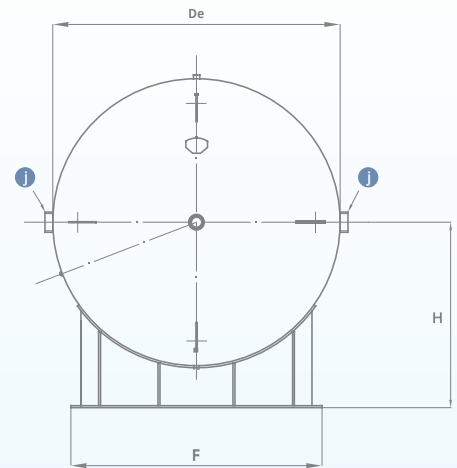
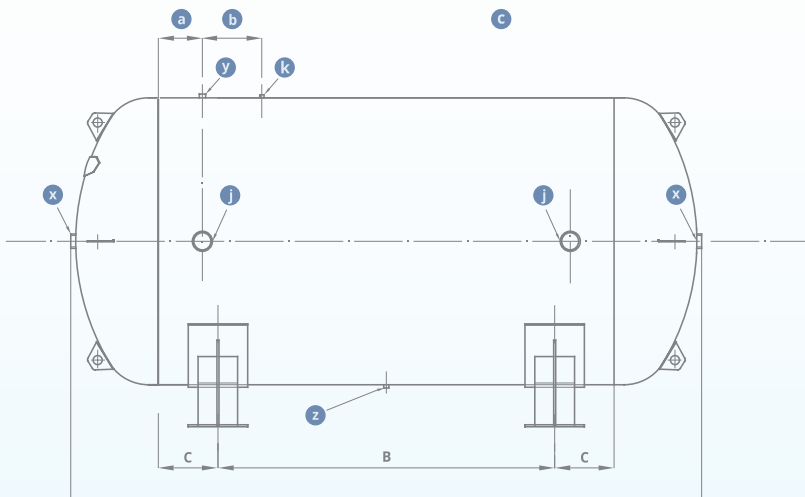
2014/68/UE(PED)

OPERATING PRESSURE

12 bar

OPERATING TEMPERATURE

-20 +80°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | F  | H  | a  | b  | x     | y     | k     | j     | z     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|----|----|----|-------|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | inch. | Kg     |

## RAL 5015\*

|          |                 |       |    |      |      |      |      |      |      |     |     |    |      |      |    |      |      |
|----------|-----------------|-------|----|------|------|------|------|------|------|-----|-----|----|------|------|----|------|------|
| VEC06212 | 2014/68/UE(PED) | 4000  | 12 | 1450 | 2560 | 1700 | 300  | 1267 | 937  | 222 | 300 | 2" | 3/4" | 3/8" | 3" | 1/2" | 890  |
| VEC02410 | 2014/68/UE(PED) | 5000  | 12 | 1450 | 3184 | 1700 | 300  | 1267 | 937  | 222 | 300 | 2" | 3/4" | 3/8" | 3" | 1/2" | 1060 |
| VEC00772 | 2014/68/UE(PED) | 5000  | 12 | 1650 | 2962 | 1300 | 350  | 1267 | 1035 | 300 | 450 | 2" | 3/4" | 3/8" | 3" | 1/2" | 1380 |
| VEC02323 | 2014/68/UE(PED) | 10000 | 12 | 1650 | 4912 | 2080 | 1000 | 1267 | 1035 | 450 | 300 | 2" | 3/4" | 3/8" | 3" | 2"   | 2240 |

## GALVANIZED

|          |                 |       |    |      |      |      |      |      |      |     |     |    |      |      |    |      |      |
|----------|-----------------|-------|----|------|------|------|------|------|------|-----|-----|----|------|------|----|------|------|
| VEC03850 | 2014/68/UE(PED) | 4000  | 12 | 1450 | 2560 | 1700 | 300  | 1267 | 937  | 222 | 300 | 2" | 3/4" | 3/8" | 3" | 1/2" | 930  |
| VEC04698 | 2014/68/UE(PED) | 5000  | 12 | 1450 | 3184 | 1700 | 300  | 1267 | 937  | 222 | 300 | 2" | 3/4" | 3/8" | 3" | 1/2" | 1100 |
| VEC04699 | 2014/68/UE(PED) | 5000  | 12 | 1650 | 2962 | 1300 | 350  | 1267 | 1035 | 300 | 450 | 2" | 3/4" | 3/8" | 3" | 1/2" | 1410 |
| VEC04701 | 2014/68/UE(PED) | 10000 | 12 | 1650 | 4912 | 2080 | 1000 | 1267 | 1035 | 450 | 300 | 2" | 3/4" | 3/8" | 3" | 2"   | 2320 |

## ALM

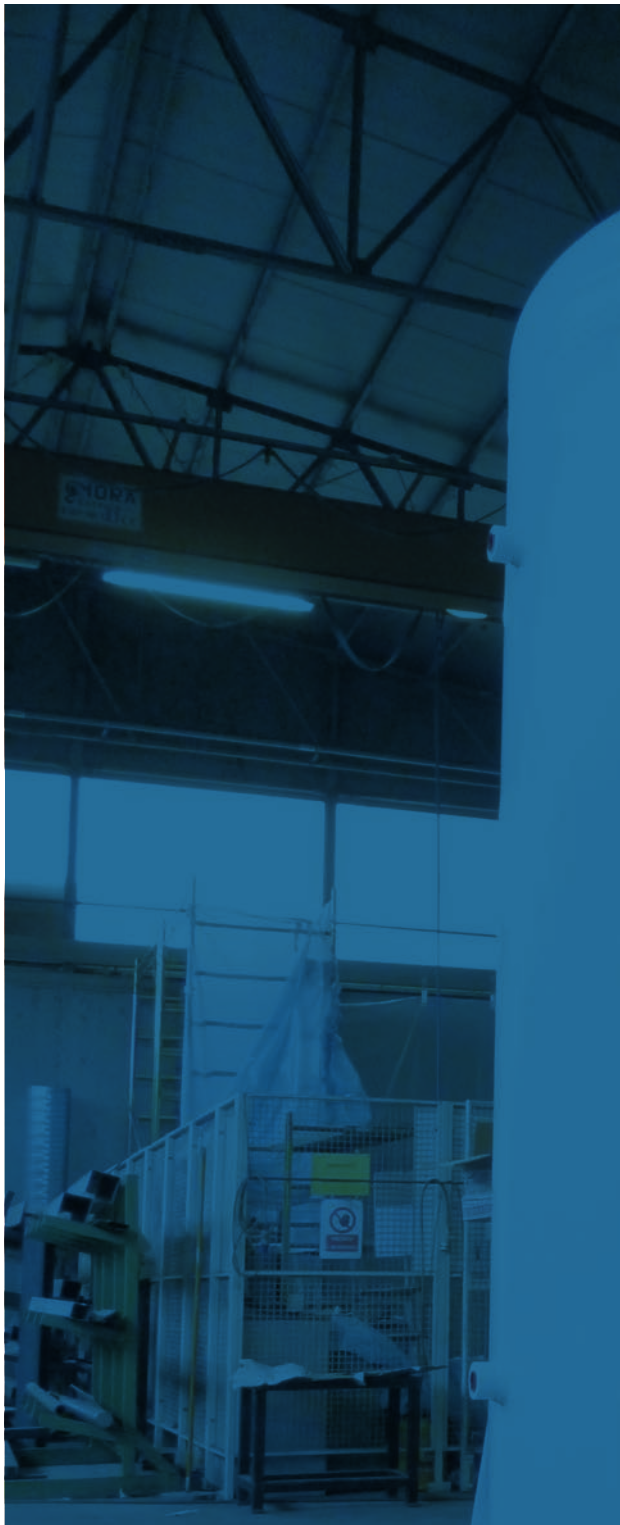
|          |                 |      |    |      |      |      |     |      |      |     |     |    |      |      |    |      |      |
|----------|-----------------|------|----|------|------|------|-----|------|------|-----|-----|----|------|------|----|------|------|
| VEC02833 | 2014/68/UE(PED) | 5000 | 12 | 1450 | 3184 | 1700 | 300 | 1267 | 937  | 222 | 300 | 2" | 3/4" | 3/8" | 3" | 1/2" | 1060 |
| VEC04700 | 2014/68/UE(PED) | 5000 | 12 | 1650 | 2962 | 1300 | 350 | 1267 | 1035 | 300 | 450 | 2" | 3/4" | 3/8" | 3" | 1/2" | 1380 |

# FLANGED CONNECTIONS AND NON-MANDATORY INSPECTION OPENINGS

The following table is valid only for vessels with operating temperature not less than -20°C and pressure of 11 and 16 bar (from page 25 to page 30)



| VOLUME | PRESSURE | DN40 | DN50 | DN65 | DN80 | DN90 | DN100 | DN125 | DN150 | DN200 | DN250 | HANDHOLE   | MANHOLE    |
|--------|----------|------|------|------|------|------|-------|-------|-------|-------|-------|------------|------------|
| bar    |          |      |      |      |      |      |       |       |       |       |       | 100x150 mm | 300x400 mm |
| 1000   | 12       | •    | •    | •    | •    | •    | •     | •     | •     | •     |       | •          |            |
| 1000   | 16       | •    | •    | •    | •    | •    | •     | •     | •     | •     |       | •          |            |
| 1500   | 12       | •    | •    | •    | •    | •    | •     | •     | •     | •     |       | •          | •          |
| 1500   | 16       | •    | •    | •    | •    | •    | •     | •     | •     | •     |       | •          | •          |
| 2000   | 12       | •    | •    | •    | •    | •    | •     | •     | •     | •     |       | •          | •          |
| 2000   | 16       | •    | •    | •    | •    | •    | •     | •     | •     | •     |       | •          | •          |
| 3000   | 12       | •    | •    | •    | •    | •    | •     | •     | •     | •     |       | •          | •          |
| 3000   | 16       | •    | •    | •    | •    | •    | •     | •     | •     | •     | •     | •          | •          |
| 4000   | 8        | •    | •    | •    | •    | •    | •     | •     | •     | •     | •     | •          | •          |
| 4000   | 12       | •    | •    | •    | •    | •    | •     | •     | •     | •     | •     | •          | •          |
| 5000   | 16       | •    | •    | •    | •    | •    | •     | •     | •     | •     | •     | •          | •          |
| 5000   | 12       | •    | •    | •    | •    | •    | •     | •     | •     | •     | •     | •          | •          |
| 5000   | 16       | •    | •    | •    | •    | •    | •     | •     | •     | •     | •     | •          | •          |
| 6000   | 12       | •    | •    | •    | •    | •    | •     | •     | •     | •     | •     | •          | •          |
| 6000   | 16       | •    | •    | •    | •    | •    | •     | •     | •     | •     | •     | •          | •          |
| 8000   | 8        | •    | •    | •    | •    | •    | •     | •     | •     | •     | •     | •          | •          |
| 8000   | 12       | •    | •    | •    | •    | •    | •     | •     | •     | •     | •     | •          | •          |
| 8000   | 16       | •    | •    | •    | •    | •    | •     | •     | •     | •     | •     | •          | •          |
| 10000  | 8        | •    | •    | •    | •    | •    | •     | •     | •     | •     | •     | •          | •          |
| 10000  | 12       | •    | •    | •    | •    | •    | •     | •     | •     | •     | •     | •          | •          |
| 10000  | 16       | •    | •    | •    | •    | •    | •     | •     | •     | •     | •     | •          | •          |



# HIGH PRESSURE VESSELS





# VERTICAL 21 BAR

## PAINTED - GALVANIZED

## DIRECTIVE

## OPERATING PRESSURE

## OPERATING TEMPERATURE

2014/29/UE(PED) 2014/68/UE(PED)

21 bar

21 bar

\*-20 +120°C

-20 +100°C

## 2014/29/UE(PED)

## MATERIAL

Carbon steel

## FLUID CONTENT

Compressed air/ Nitrogen (group 2)

## FINISHING

RAL 5015: External Ral 5015 blue paint (standard)

GALVANIZED: internal and external hot-dip galvanization

## UPON REQUEST

ALM version

## 2014/68/UE(PED)

## MATERIAL

Carbon steel

## FLUID CONTENT

Compressed air / Nitrogen / Argon / Helium /

Oil / Oxygen (group 1 hydrogen excluded)

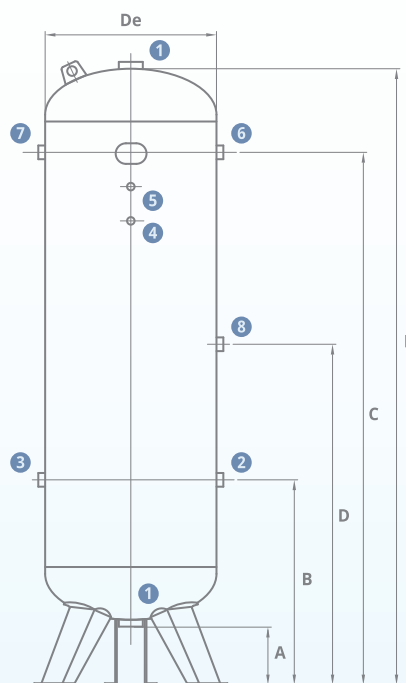
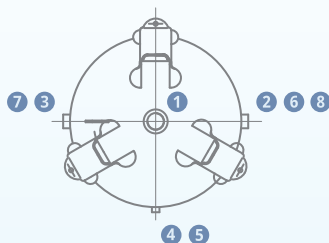
## FINISHING

RAL 5015: External Ral 5015 blue paint (standard)

GALVANIZED: internal and external hot-dip galvanization

## UPON REQUEST

ALM version



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | L  | 1     | 2     | 3     | 4     | 5     | 6     | 7     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|-------|-------|-------|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | inch. | inch. | inch. | Kg     |

## RAL 5015\*

|          |                 |      |    |      |     |     |      |      |    |      |      |      |      |      |    |      |
|----------|-----------------|------|----|------|-----|-----|------|------|----|------|------|------|------|------|----|------|
| VEC00883 | 2014/29/UE      | *120 | 21 | 396  | 170 | 395 | 1065 | 1430 | 2" | 3/4" | 3/4" | 1/4" | 3/4" | 3/4" | =  | 58   |
| VEC02407 | 2014/29/UE      | *270 | 21 | 500  | 170 | 600 | 1305 | 1790 | 2" | 1"   | 1"   | =    | 1"   | =    | =  | 108  |
| VEC01470 | 2014/29/UE      | *475 | 21 | 600  | 155 | 785 | 1665 | 2055 | 2" | 2"   | 2"   | =    | 3/8" | 2"   | 2" | 220  |
| VEC02275 | 2014/68/UE(PED) | 1000 | 21 | 800  | 145 | 770 | 1720 | 2350 | 2" | 2"   | 2"   | 3/8" | 3/8" | 2"   | 2" | 352  |
| VEC04155 | 2014/68/UE(PED) | 3000 | 21 | 1200 | 140 | 830 | 2250 | 2990 | 2" | 2"   | 2"   | 1/2" | 1/2" | 2"   | 2" | 1250 |

## GALVANIZED

|          |                 |      |    |      |     |     |      |      |    |      |      |      |      |      |    |      |
|----------|-----------------|------|----|------|-----|-----|------|------|----|------|------|------|------|------|----|------|
| VEC02438 | 2009/105/EC     | *120 | 21 | 396  | 300 | 505 | 1175 | 1362 | 2" | 3/4" | 3/4" | 1/4" | 3/4" | 3/4" | =  | 58   |
| VEC02433 | 2009/105/EC     | *270 | 21 | 500  | 170 | 600 | 1305 | 1790 | 2" | 1"   | 1"   | =    | 1"   | =    | =  | 110  |
| VEC02434 | 2009/105/EC     | *475 | 21 | 600  | 155 | 785 | 1665 | 2050 | 2" | 2"   | 2"   | =    | 3/8" | 2"   | 2" | 224  |
| VEC02439 | 2014/68/UE(PED) | 1000 | 21 | 800  | 145 | 770 | 1720 | 2350 | 2" | 2"   | 2"   | 3/8" | 3/8" | 2"   | 2" | 352  |
| VEC04156 | 2014/68/UE(PED) | 3000 | 21 | 1200 | 140 | 830 | 2250 | 2990 | 2" | 2"   | 2"   | 1/2" | 1/2" | 2"   | 2" | 1250 |

# VERTICAL 32 BAR

## PAINTED - GALVANIZED

**MATERIAL**

Carbon steel

**FLUID CONTENT**Compressed air / Nitrogen / Argon / Helium /  
Oil / Oxygen (group 1 hydrogen excluded)**FINISHING****RAL 5015:** External Ral 5015 blue paint (standard)**GALVANIZED:** internal and external hot-dip galvanization**UPON REQUEST**

Inspection ports

100x150 mm handhole

300x400 mm manhole

Flanged connections

ALM version

**DIRECTIVE**

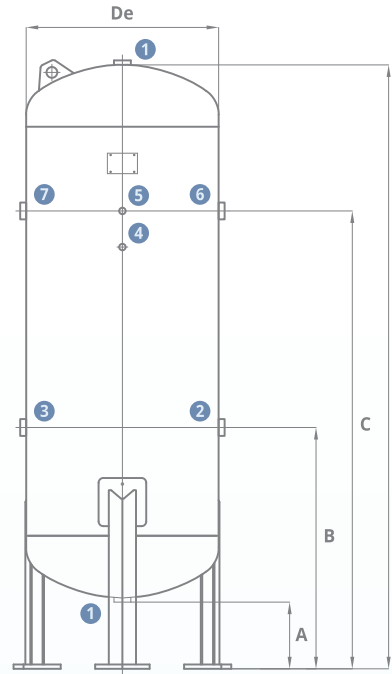
2014/68/UE(PED)

**OPERATING PRESSURE**

32 bar

**OPERATING TEMPERATURE**

-20 +100°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | L  | 1     | 2     | 3     | 4     | 5     | 6     | 7     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|-------|-------|-------|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | inch. | inch. | inch. | Kg     |

**RAL 5015\***

|          |                 |      |    |      |     |      |      |      |    |      |    |      |      |    |      |      |
|----------|-----------------|------|----|------|-----|------|------|------|----|------|----|------|------|----|------|------|
| VEC02248 | 2014/68/UE(PED) | 100  | 32 | 370  | 180 | 355  | 1055 | 1213 | 2" | 3/4" | =  | 3/8" | 3/8" | =  | 3/4" | 89   |
| VEC02249 | 2014/68/UE(PED) | 270  | 32 | 500  | 175 | 599  | 1304 | 1648 | 2" | 1"   | 1" | =    | 3/8" | 1" | 1"   | 192  |
| VEC02250 | 2014/68/UE(PED) | 500  | 32 | 600  | 155 | 785  | 1665 | 2050 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 308  |
| VEC02251 | 2014/68/UE(PED) | 1000 | 32 | 800  | 145 | 770  | 1720 | 2350 | 2" | 2"   | 2" | 3/8" | 3/8" | 2" | 2"   | 470  |
| VEC02252 | 2014/68/UE(PED) | 1500 | 32 | 1000 | 170 | 680  | 1780 | 2305 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 665  |
| VEC02253 | 2014/68/UE(PED) | 2000 | 32 | 1000 | 170 | 770  | 2185 | 2740 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 1100 |
| VEC02254 | 2014/68/UE(PED) | 3000 | 32 | 1200 | 140 | 830  | 2250 | 2990 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 1535 |
| VEC02255 | 2014/68/UE(PED) | 4000 | 32 | 1450 | 225 | 800  | 2145 | 2790 | 2" | 3"   | 3" | 3/4" | 3/8" | 3" | 3"   | 1950 |
| VEC02256 | 2014/68/UE(PED) | 5000 | 32 | 1450 | 225 | 800  | 2745 | 3390 | 2" | 3"   | 3" | 3/4" | 3/8" | 3" | 3"   | 2280 |
| VEC02805 | 2014/68/UE(PED) | 6000 | 32 | 1450 | 251 | 1000 | 2745 | 4053 | 2" | 3"   | 3" | 3/4" | 3/8" | 3" | 3"   | 2700 |

**GALVANIZED**

|          |                 |      |    |      |     |      |      |      |    |      |    |      |      |    |      |      |
|----------|-----------------|------|----|------|-----|------|------|------|----|------|----|------|------|----|------|------|
| VEC02440 | 2014/68/UE(PED) | 100  | 32 | 370  | 180 | 355  | 1055 | 1213 | 2" | 3/4" | =  | 3/8" | 3/8" | =  | 3/4" | 89   |
| VEC02441 | 2014/68/UE(PED) | 270  | 32 | 500  | 175 | 599  | 1304 | 1648 | 2" | 1"   | 1" | =    | 3/8" | 1" | 1"   | 192  |
| VEC02442 | 2014/68/UE(PED) | 500  | 32 | 600  | 155 | 785  | 1665 | 2050 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 308  |
| VEC02443 | 2014/68/UE(PED) | 1000 | 32 | 800  | 145 | 770  | 1720 | 2350 | 2" | 2"   | 2" | 3/8" | 3/8" | 2" | 2"   | 470  |
| VEC02444 | 2014/68/UE(PED) | 1500 | 32 | 1000 | 170 | 680  | 1780 | 2305 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 665  |
| VEC02446 | 2014/68/UE(PED) | 2000 | 32 | 1000 | 170 | 770  | 2185 | 2740 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 1100 |
| VEC02447 | 2014/68/UE(PED) | 3000 | 32 | 1200 | 140 | 830  | 2250 | 2990 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 1535 |
| VEC02448 | 2014/68/UE(PED) | 4000 | 32 | 1450 | 225 | 800  | 2145 | 2790 | 2" | 3"   | 3" | 3/4" | 3/8" | 3" | 3"   | 1950 |
| VEC02450 | 2014/68/UE(PED) | 5000 | 32 | 1450 | 225 | 800  | 2745 | 3390 | 2" | 3"   | 3" | 3/4" | 3/8" | 3" | 3"   | 2280 |
| VEC04704 | 2014/68/UE(PED) | 6000 | 32 | 1450 | 251 | 1000 | 2745 | 4053 | 2" | 3"   | 3" | 3/4" | 3/8" | 3" | 3"   | 2700 |

# VERTICAL 42 BAR

## PAINTED - GALVANIZED

**MATERIAL**

Carbon steel

**FLUID CONTENT**Compressed air / Nitrogen / Argon / Helium /  
Oil / Oxygen (group 1 hydrogen excluded)**FINISHING****RAL 5015:** External Ral 5015 blue paint (standard)**GALVANIZED:** internal and external hot-dip galvanization**UPON REQUEST**

Inspection ports

100x150 mm handhole

300x400 mm manhole

Flanged connections

ALM version

**DIRECTIVE**

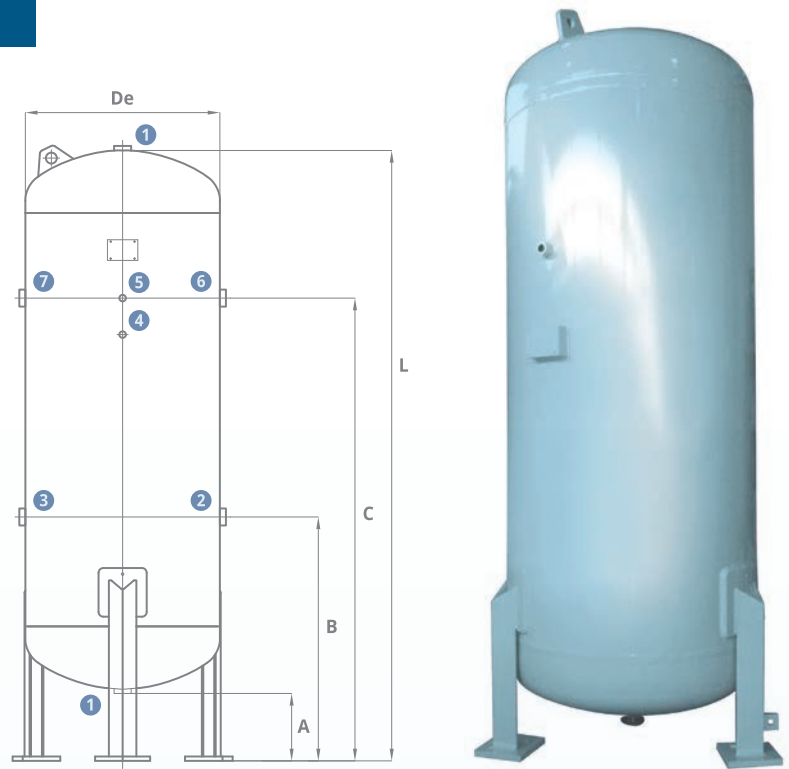
2014/68/UE(PED)

**OPERATING PRESSURE**

42 bar

**OPERATING TEMPERATURE**

-20 +80°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | L  | 1     | 2     | 3     | 4     | 5     | 6     | 7     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|-------|-------|-------|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | inch. | inch. | inch. | Kg     |

**RAL 5015\***

|          |                 |      |    |      |     |     |      |      |    |      |    |      |      |    |      |      |
|----------|-----------------|------|----|------|-----|-----|------|------|----|------|----|------|------|----|------|------|
| VEC02262 | 2014/68/UE(PED) | 100  | 42 | 370  | 180 | 355 | 1055 | 1213 | 2" | 3/4" | =  | 3/8" | 3/8" | =  | 3/4" | 100  |
| VEC02263 | 2014/68/UE(PED) | 200  | 42 | 446  | 200 | 430 | 1255 | 1587 | 2" | 1"   | =  | 1/2" | 3/8" | =  | 1"   | 150  |
| VEC02264 | 2014/68/UE(PED) | 270  | 42 | 500  | 175 | 599 | 1304 | 1648 | 2" | 1"   | 1" | =    | 3/8" | 1" | 1"   | 215  |
| VEC02265 | 2014/68/UE(PED) | 500  | 42 | 600  | 155 | 785 | 1665 | 2050 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 355  |
| VEC02266 | 2014/68/UE(PED) | 1000 | 42 | 800  | 145 | 770 | 1720 | 2350 | 2" | 2"   | 2" | 3/8" | 3/8" | 2" | 2"   | 675  |
| VEC02267 | 2014/68/UE(PED) | 1500 | 42 | 1000 | 170 | 680 | 1780 | 2305 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 1100 |
| VEC02268 | 2014/68/UE(PED) | 2000 | 42 | 1100 | 200 | 770 | 1970 | 2490 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 1460 |
| VEC02269 | 2014/68/UE(PED) | 3000 | 42 | 1200 | 140 | 830 | 2250 | 2990 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 1950 |
| VEC02270 | 2014/68/UE(PED) | 4000 | 42 | 1450 | 225 | 800 | 2145 | 2790 | 2" | 3"   | 3" | 3/4" | 3/8" | 3" | 3"   | 2540 |
| VEC02271 | 2014/68/UE(PED) | 5000 | 42 | 1450 | 225 | 800 | 2745 | 3390 | 2" | 3"   | 3" | 3/4" | 3/8" | 3" | 3"   | 2845 |

**GALVANIZED**

|          |                 |      |    |      |     |     |      |      |    |      |    |      |      |    |      |      |
|----------|-----------------|------|----|------|-----|-----|------|------|----|------|----|------|------|----|------|------|
| VEC02452 | 2014/68/UE(PED) | 100  | 42 | 370  | 180 | 355 | 1055 | 1213 | 2" | 3/4" | =  | 3/8" | 3/8" | =  | 3/4" | 100  |
| VEC02454 | 2014/68/UE(PED) | 200  | 42 | 446  | 200 | 430 | 1255 | 1587 | 2" | 1"   | =  | 1/2" | 3/8" | =  | 1"   | 150  |
| VEC02455 | 2014/68/UE(PED) | 270  | 42 | 500  | 175 | 599 | 1304 | 1648 | 2" | 1"   | 1" | =    | 3/8" | 1" | 1"   | 215  |
| VEC02456 | 2014/68/UE(PED) | 500  | 42 | 600  | 155 | 785 | 1665 | 2050 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 355  |
| VEC02457 | 2014/68/UE(PED) | 1000 | 42 | 800  | 145 | 770 | 1720 | 2350 | 2" | 2"   | 2" | 3/8" | 3/8" | 2" | 2"   | 675  |
| VEC02458 | 2014/68/UE(PED) | 1500 | 42 | 1000 | 170 | 680 | 1780 | 2305 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 1100 |
| VEC02460 | 2014/68/UE(PED) | 2000 | 42 | 1100 | 200 | 770 | 1970 | 2490 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 1460 |
| VEC02461 | 2014/68/UE(PED) | 3000 | 42 | 1200 | 140 | 830 | 2250 | 2990 | 2" | 2"   | 2" | 1/2" | 1/2" | 2" | 2"   | 1950 |
| VEC02462 | 2014/68/UE(PED) | 4000 | 42 | 1450 | 225 | 800 | 2145 | 2790 | 2" | 3"   | 3" | 3/4" | 3/8" | 3" | 3"   | 2540 |
| VEC02463 | 2014/68/UE(PED) | 5000 | 42 | 1450 | 225 | 800 | 2745 | 3390 | 2" | 3"   | 3" | 3/4" | 3/8" | 3" | 3"   | 2845 |

# ASME VESSELS

## MATERIAL

Carbon steel / Stainless steel

## FLUID CONTENT

Compressed air / Nitrogen / Argon / Helium /  
Oil / Oxygen (group 1 hydrogen excluded)

## FINISHING

In compliance with customer's requirements or our  
standard options (for more details see page 8)

## DIRECTIVE

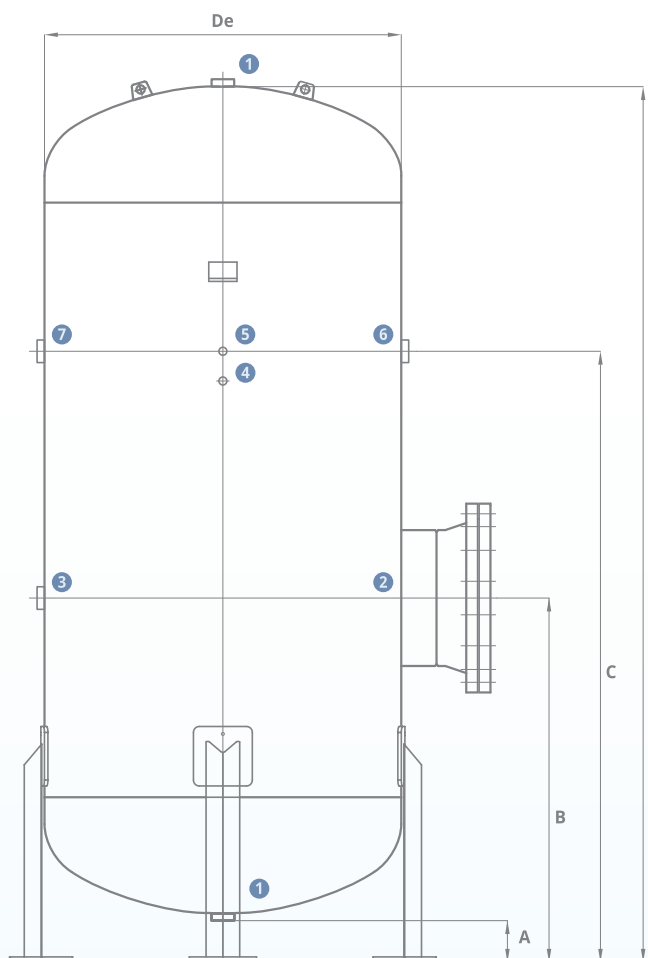
## OPERATING PRESSURE

## OPERATING TEMPERATURE

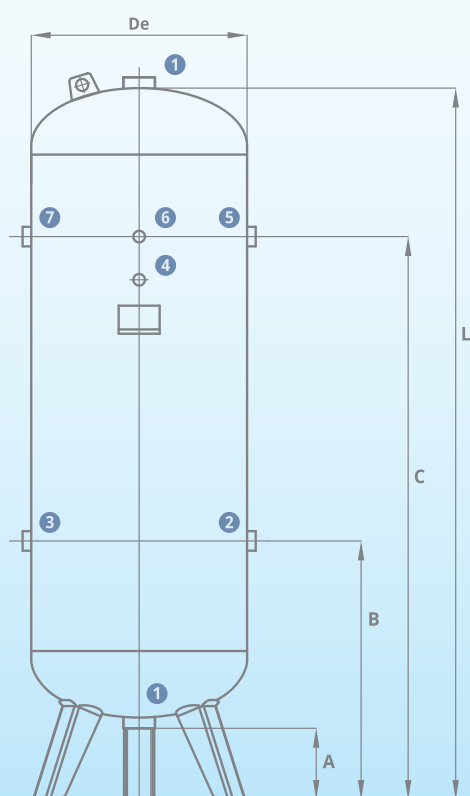
ASME SECTION VIII - DIVISION 1

From 145 to 300 PSI

-20 +250°F

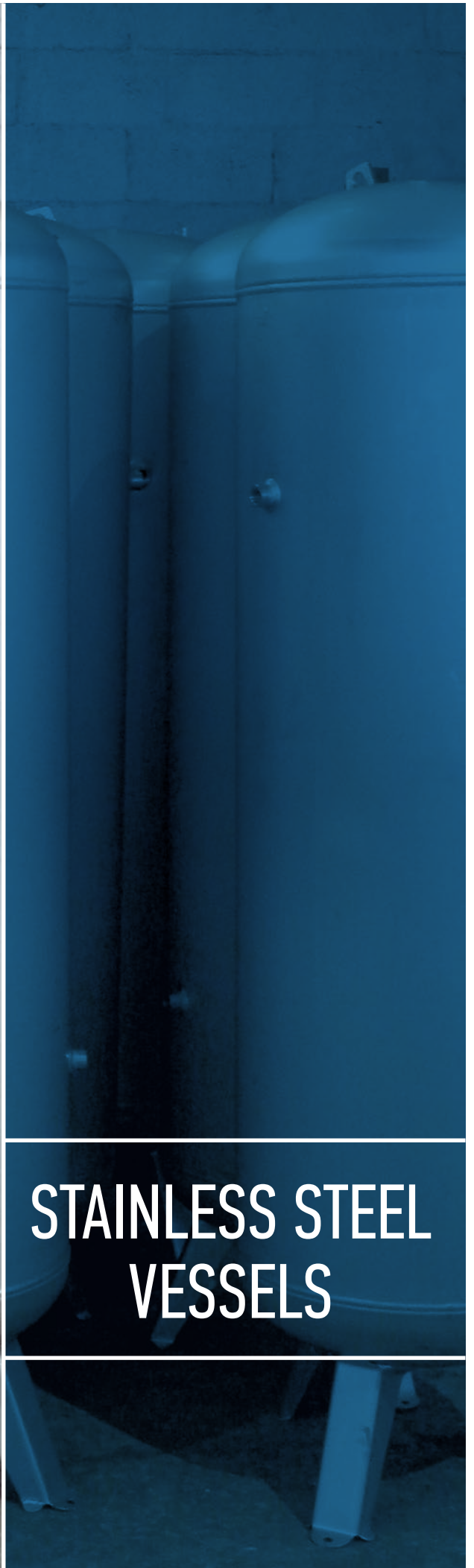


| CAPACITY | De   | A   | B   | C    | L    | 1     | 2     | 3     | 4     | 5     | 6     | 7     |
|----------|------|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|
| Lt       | mm   | mm  | mm  | mm   | mm   | inch. | inch. | inch. | inch. | inch. | inch. | inch. |
| 2000     | 1100 | 200 | 770 | 1970 | 2490 | 2"    | 2"    | 2"    | 1/2"  | 1/2"  | 2"    | 2"    |
| 3000     | 1200 | 140 | 830 | 2250 | 2990 | 2"    | 2"    | 2"    | 1/2"  | 1/2"  | 2"    | 2"    |
| 5000     | 1450 | 225 | 900 | 2745 | 3390 | 2"    | 3"    | 3"    | 3/4"  | 3/8"  | 3"    | 3"    |



| CAPACITY | De  | A   | B   | C    | L    | 1     | 2     | 3     | 4     | 5     | 6     | 7     |
|----------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|
| Lt       | mm  | mm  | mm  | mm   | mm   | inch. | inch. | inch. | inch. | inch. | inch. | inch. |
| 270      | 500 | 175 | 599 | 1304 | 1648 | 2"    | 1"    | 1"    | =     | 3/8"  | 1"    | 1"    |
| 500      | 600 | 155 | 785 | 1665 | 2050 | 2"    | 2"    | 2"    | 1/2"  | 1/2"  | 2"    | 2"    |
| 1000     | 800 | 145 | 770 | 1720 | 2350 | 2"    | 2"    | 2"    | 3/8"  | 3/8"  | 2"    | 2"    |





## STAINLESS STEEL VESSELS

# VERTICAL STAINLESS STEEL

## MATERIAL

Aisi 304/316L Stainless steel

## FLUID CONTENT

Compressed air / Nitrogen / Compressed air and water (group 2)

## FINISHING

Internal and external pickling and passivation

## UPON REQUEST

External electropolishing treatment

## DIRECTIVE

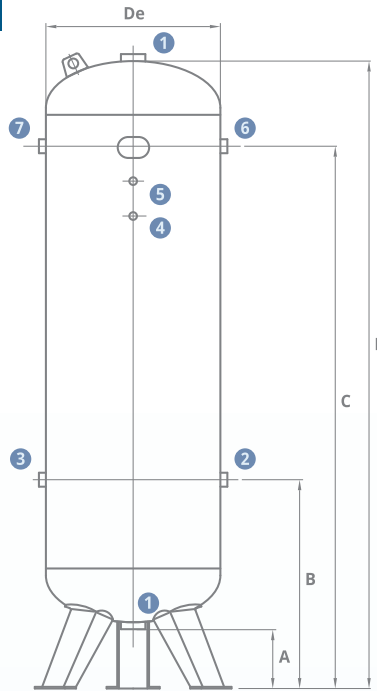
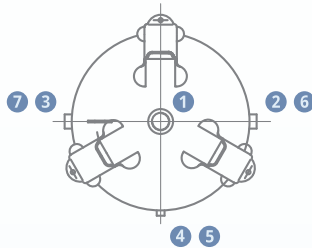
## OPERATING PRESSURE

## OPERATING TEMPERATURE

2014/68/UE(PED)

11 bar

\*-80 +120°C / -55 +80°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | L  | 1     | 2     | 3     | 4     | 5     | 6     | 7     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|-------|-------|-------|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | inch. | inch. | inch. | Kg     |

## AISI 304

|          |                 |      |    |      |     |     |      |      |      |      |      |      |      |      |      |     |
|----------|-----------------|------|----|------|-----|-----|------|------|------|------|------|------|------|------|------|-----|
| VES03153 | 2014/68/UE(PED) | *24  | 11 | 240  | 40  | 161 | 553  | 772  | 1/2" | =    | 1/2" | =    | =    | 1/2" | =    | 15  |
| VES01881 | 2014/68/UE(PED) | *50  | 11 | 305  | 129 | 276 | 717  | 957  | 1/2" | 1/2" | =    | =    | =    | =    | 1/2" | 21  |
| VES01883 | 2014/68/UE(PED) | *100 | 11 | 370  | 170 | 358 | 948  | 1184 | 1/2" | =    | 3/4" | 3/8" | 3/8" | 3/4" | =    | 32  |
| VES03203 | 2014/68/UE(PED) | *150 | 11 | 446  | 165 | 400 | 897  | 1277 | 1/2" | 1"   | =    | 1/4" | =    | =    | 1"   | 49  |
| VES01885 | 2014/68/UE(PED) | *200 | 11 | 446  | 160 | 492 | 1192 | 1572 | 1/2" | =    | 1"   | 3/8" | 3/8" | 1"   | =    | 55  |
| VES01887 | 2014/68/UE(PED) | *270 | 11 | 500  | 165 | 560 | 1279 | 1771 | 1/2" | 1"   | 1"   | 3/8" | 3/8" | =    | 1"   | 69  |
| VES01889 | 2014/68/UE(PED) | 500  | 11 | 600  | 151 | 763 | 1633 | 2061 | 1/2" | 1"   | 1"   | =    | 3/8" | 1"   | 1"   | 125 |
| VES01891 | 97/23/EC (PED)  | 1000 | 11 | 800  | 140 | 702 | 1642 | 2346 | 2"   | 2"   | 2"   | 3/8" | 3/8" | 2"   | 2"   | 377 |
| VES02812 | 2014/68/UE(PED) | 1500 | 11 | 1000 | 170 | 680 | 1780 | 2305 | 2"   | 2"   | 2"   | 1/2" | 1/2" | 2"   | 2"   | 634 |
| VES02773 | 2014/68/UE(PED) | 2000 | 11 | 1100 | 170 | 740 | 1940 | 2460 | 2"   | 2"   | 2"   | 1/2" | 1/2" | 2"   | 2"   | 810 |
| VES03787 | 2014/68/UE(PED) | 3000 | 11 | 1200 | 150 | 878 | 220  | 2871 | 2"   | 2"   | 2"   | 1/2" | 1/2" | 2"   | 2"   | 942 |

## AISI 316L

|          |                 |      |    |      |     |     |      |      |      |      |      |      |      |      |      |     |
|----------|-----------------|------|----|------|-----|-----|------|------|------|------|------|------|------|------|------|-----|
| VES03155 | 2014/68/UE(PED) | *24  | 11 | 240  | 40  | 161 | 553  | 772  | 1/2" | =    | 1/2" | =    | =    | 1/2" | =    | 15  |
| VES01882 | 2014/68/UE(PED) | *50  | 11 | 305  | 129 | 276 | 717  | 957  | 1/2" | 1/2" | =    | =    | =    | =    | 1/2" | 21  |
| VES01884 | 2014/68/UE(PED) | *100 | 11 | 370  | 140 | 298 | 948  | 1106 | 1/2" | 3/4" | =    | 3/8" | 3/8" | =    | 3/4" | 32  |
| VES03204 | 2014/68/UE(PED) | *150 | 11 | 446  | 165 | 400 | 897  | 1277 | 1/2" | 1"   | =    | 1/4" | =    | =    | 1"   | 49  |
| VES01886 | 2014/68/UE(PED) | *200 | 11 | 446  | 160 | 492 | 1192 | 1572 | 1/2" | =    | 1"   | 3/8" | 3/8" | 1"   | =    | 55  |
| VES01888 | 2014/68/UE(PED) | *270 | 11 | 500  | 165 | 560 | 1279 | 1771 | 1/2" | 1"   | 1"   | 3/8" | 3/8" | =    | 1"   | 69  |
| VES01890 | 2014/68/UE(PED) | 500  | 11 | 600  | 151 | 763 | 1633 | 2061 | 1/2" | 1"   | 1"   | =    | 3/8" | 1"   | 1"   | 125 |
| VES01892 | 97/23/EC (PED)  | 1000 | 11 | 800  | 140 | 702 | 1642 | 2346 | 2"   | 2"   | 2"   | 3/8" | 3/8" | 2"   | 2"   | 377 |
| VES02813 | 2014/68/UE(PED) | 1500 | 11 | 1000 | 170 | 680 | 1780 | 2305 | 2"   | 2"   | 2"   | 1/2" | 1/2" | 2"   | 2"   | 634 |
| VES02774 | 2014/68/UE(PED) | 2000 | 11 | 1100 | 170 | 740 | 1940 | 2460 | 2"   | 2"   | 2"   | 1/2" | 1/2" | 2"   | 2"   | 810 |
| VES03788 | 2014/68/UE(PED) | 3000 | 11 | 1200 | 150 | 878 | 220  | 2871 | 2"   | 2"   | 2"   | 1/2" | 1/2" | 2"   | 2"   | 942 |

# HORIZONTAL STAINLESS STEEL

## MATERIAL

Aisi 304/316L Stainless steel

## FLUID CONTENT

Compressed air / Nitrogen / Compressed air and water (group 2)

## FINISHING

Internal and external pickling and passivation

## UPON REQUEST

External electropolishing treatment

DIRECTIVE

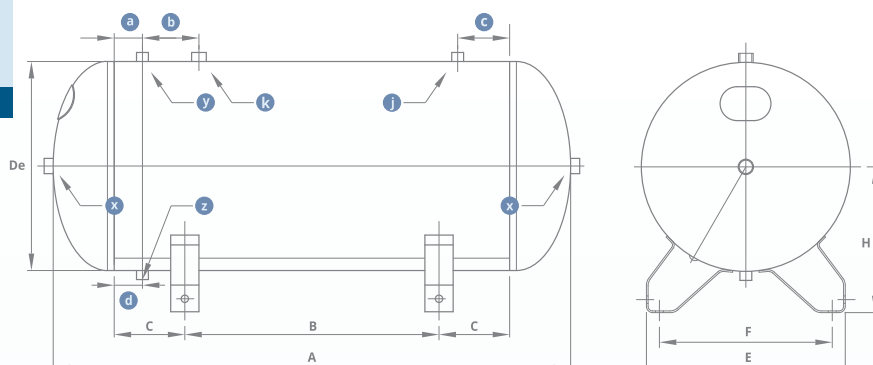
2014/68/UE(PED)

OPERATING PRESSURE

11 bar

OPERATING TEMPERATURE

\*-80 +120°C / -55 +80°C



| CODE | DIRECTIVE | CAPACITY | OPERATING PRESSURE | De | A  | B  | C  | E  | F  | H  | a  | b  | c  | d  | x     | y     | k     | j     | z     | WEIGHT |
|------|-----------|----------|--------------------|----|----|----|----|----|----|----|----|----|----|----|-------|-------|-------|-------|-------|--------|
|      |           | Lt       | Bar                | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | inch. | inch. | inch. | inch. | inch. | Kg     |

## AISI 304

|          |                 |      |    |     |      |      |     |     |     |     |     |     |     |     |      |      |      |      |      |     |
|----------|-----------------|------|----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|-----|
| VES04028 | 2014/68/UE(PED) | *5   | 11 | 150 | 314  | 130  | 45  | 100 | 160 | 125 | =   | =   | =   | 110 | 1/2" | =    | =    | =    | 1/2" | 6   |
| VES02586 | 2014/68/UE(PED) | *10  | 12 | 169 | 506  | 156  | 127 | 200 | 140 | 170 | 127 | -   | 127 | 205 | 1/2" | -    | 1/2" | -    | 1/2" | 8   |
| VES02588 | 2014/68/UE(PED) | *15  | 12 | 196 | 624  | 156  | 172 | 200 | 140 | 178 | 172 | -   | 172 | 250 | 1/2" | -    | 1/2" | -    | 1/2" | 11  |
| VES02590 | 2014/68/UE(PED) | *24  | 11 | 240 | 634  | 192  | 150 | 240 | 180 | 210 | 100 | -   | 100 | 246 | 1/2" | -    | 1/2" | -    | 1/2" | 13  |
| VES02592 | 2014/68/UE(PED) | *50  | 11 | 305 | 784  | 400  | 100 | 285 | 236 | 200 | 100 | -   | 100 | 300 | 1/2" | 3/8" | 3/8" | -    | 1/2" | 21  |
| VES02594 | 2014/68/UE(PED) | *100 | 11 | 370 | 966  | 550  | 100 | 352 | 306 | 256 | 45  | 80  | 45  | 45  | 1/2" | 3/8" | 1/2" | 3/8" | 3/8" | 32  |
| VES03205 | 2014/68/UE(PED) | *150 | 11 | 446 | 1064 | 450  | 175 | 440 | 386 | 288 | 50  | 150 | 50  | 50  | 1/2" | 3/8" | 1/2" | 3/8" | 1/2" | 49  |
| VES02596 | 2014/68/UE(PED) | *200 | 11 | 446 | 1364 | 750  | 175 | 440 | 386 | 288 | 50  | 150 | 50  | 50  | 1/2" | 3/8" | 1/2" | 1/2" | 3/8" | 55  |
| VES02598 | 2014/68/UE(PED) | *270 | 11 | 500 | 1558 | 900  | 175 | 463 | 409 | 315 | 50  | 150 | 120 | 50  | 1/2" | 3/8" | 1"   | 1/2" | 1/2" | 69  |
| VES02600 | 2014/68/UE(PED) | 500  | 11 | 600 | 1864 | 1204 | 148 | 530 | 470 | 396 | 60  | 155 | 60  | 60  | 1/2" | 3/8" | 1"   | 1/2" | 1/2" | 125 |
| VES02602 | 2014/68/UE(PED) | 1000 | 11 | 800 | 2200 | 1015 | 345 | 605 | 440 | 500 | 100 | 155 | 60  | 60  | 2"   | 3/4" | 1"   | 1/2" | 1/2" | 377 |

## AISI 316L

|          |                 |      |    |     |      |      |     |     |     |     |     |     |     |     |      |      |      |      |      |     |
|----------|-----------------|------|----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|-----|
| VES04026 | 2014/68/UE(PED) | *5   | 11 | 150 | 314  | 130  | 45  | 100 | 160 | 125 | =   | =   | =   | 110 | 1/2" | =    | =    | =    | 1/2" | 6   |
| VES02587 | 2014/68/UE(PED) | *10  | 12 | 169 | 506  | 156  | 127 | 200 | 140 | 170 | 127 | -   | 127 | 205 | 1/2" | -    | 1/2" | -    | 1/2" | 8   |
| VES02589 | 2014/68/UE(PED) | *15  | 12 | 196 | 624  | 156  | 172 | 200 | 140 | 178 | 172 | -   | 172 | 250 | 1/2" | -    | 1/2" | -    | 1/2" | 11  |
| VES02591 | 2014/68/UE(PED) | *24  | 11 | 240 | 634  | 192  | 150 | 240 | 180 | 210 | 100 | -   | 100 | 246 | 1/2" | -    | 1/2" | -    | 1/2" | 13  |
| VES02593 | 2014/68/UE(PED) | *50  | 11 | 305 | 784  | 400  | 100 | 285 | 236 | 200 | 100 | -   | 100 | 300 | 1/2" | 3/8" | 3/8" | -    | 1/2" | 21  |
| VES02595 | 2014/68/UE(PED) | *100 | 11 | 370 | 966  | 550  | 100 | 352 | 306 | 256 | 45  | 80  | 45  | 45  | 1/2" | 3/8" | 1/2" | 3/8" | 3/8" | 32  |
| VES03206 | 2014/68/UE(PED) | *150 | 11 | 446 | 1064 | 450  | 175 | 440 | 386 | 288 | 50  | 150 | 50  | 50  | 1/2" | 3/8" | 1/2" | 3/8" | 1/2" | 49  |
| VES02597 | 2014/68/UE(PED) | *200 | 11 | 446 | 1364 | 750  | 175 | 440 | 386 | 288 | 50  | 150 | 50  | 50  | 1/2" | 3/8" | 1/2" | 1/2" | 3/8" | 55  |
| VES02599 | 2014/68/UE(PED) | *270 | 11 | 500 | 1558 | 900  | 175 | 463 | 409 | 315 | 50  | 150 | 120 | 50  | 1/2" | 3/8" | 1"   | 1/2" | 1/2" | 69  |
| VES02601 | 2014/68/UE(PED) | 500  | 11 | 600 | 1864 | 1204 | 148 | 530 | 470 | 396 | 60  | 155 | 60  | 60  | 1/2" | 3/8" | 1"   | 1/2" | 1/2" | 125 |
| VES02603 | 2014/68/UE(PED) | 1000 | 11 | 800 | 2200 | 1015 | 345 | 605 | 440 | 500 | 100 | 155 | 60  | 60  | 2"   | 3/4" | 1"   | 1/2" | 1/2" | 377 |

# ACCESSORIES



PRESSURE GAUGE  
63 MM G 1/4"



BALL TAP  
G 1/2" G 1"



PRESSURE GAUGE FLANGE  
G 3/8"



SAFETY VALVE  
G 1/2" CONNECTION



SAFETY VALVE  
G 1/2" CONNECTION



SAFETY VALVE  
G 1" CONNECTION



SAFETY VALVE  
G 1" CONNECTION

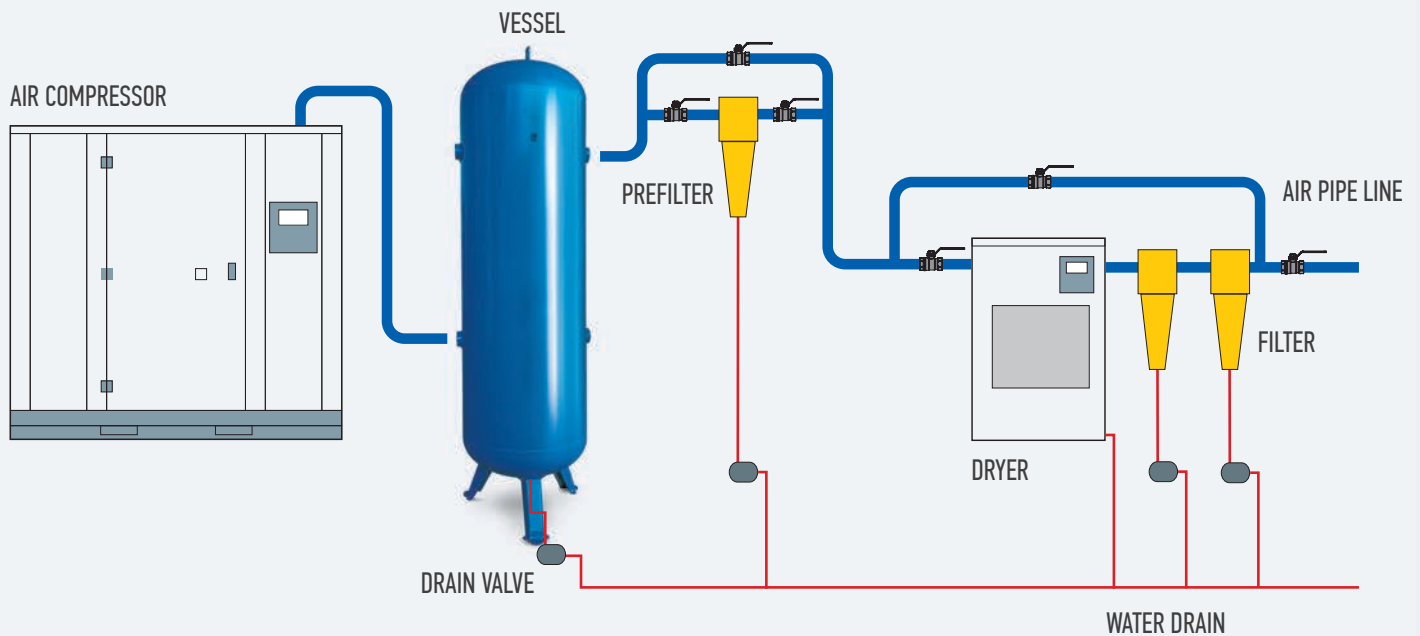


SAFETY VALVE  
G 13/4" CONNECTION

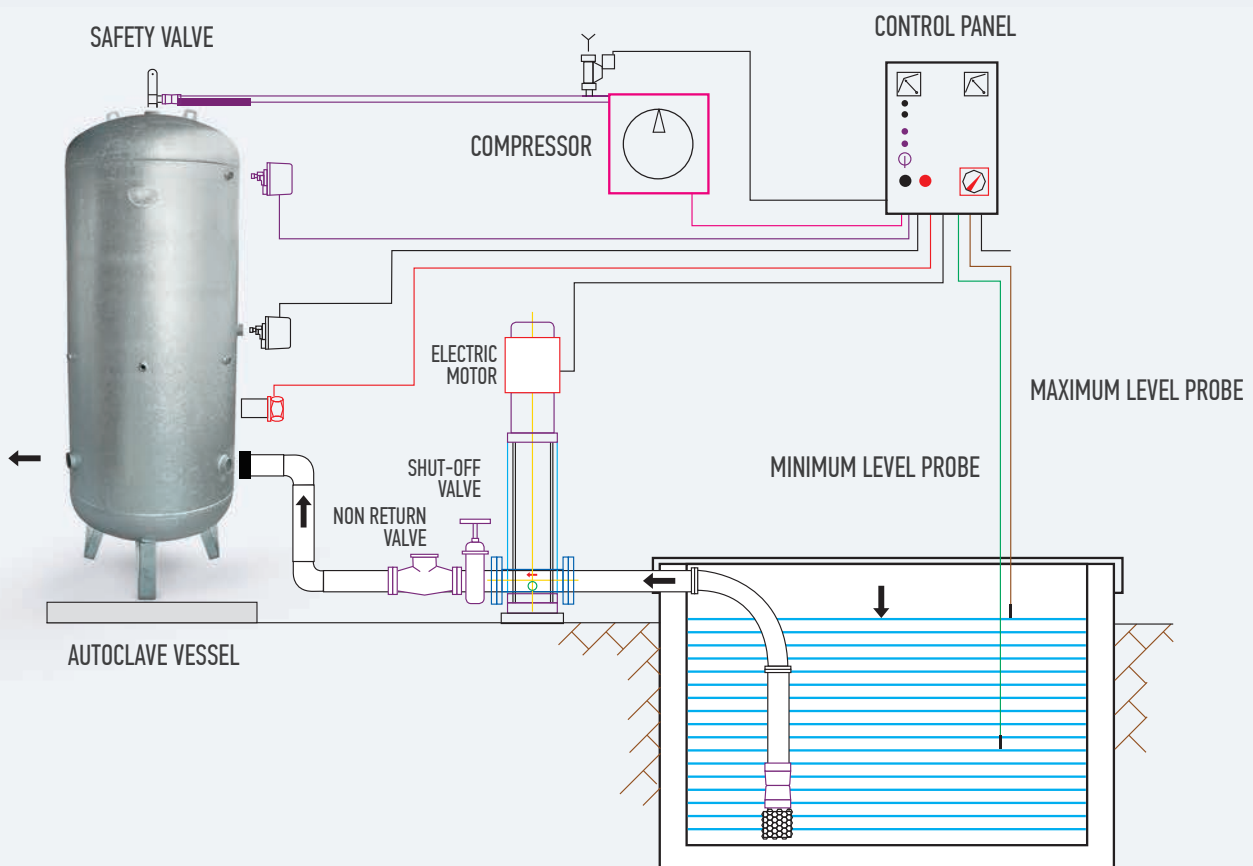
| REFERENCE | QUANTITY    | DESCRIPTION                                                             | MATERIAL             | DIRECTIVE        | CALIBRATION      | DRAIN FLOW RATE  |
|-----------|-------------|-------------------------------------------------------------------------|----------------------|------------------|------------------|------------------|
| KIT00024  | 1<br>1      | SAFETY VALVE G 1/2"<br>PRESSURE GAUGE Ø 63 MM G 1/4"                    | BRASS                | 2014/68/UE (PED) | 11 BAR<br>11 BAR | 7237<br>LT/MIN   |
| KIT00100  | 1<br>1<br>1 | SAFETY VALVE G 3/4"<br>PRESSURE GAUGE Ø 63 MM G 1/4"<br>BALL TAP G 1/2" | BRASS                | 2014/68/UE (PED) | 11 BAR<br>11 BAR | 17767<br>LT/MIN  |
| KIT00093  | 1<br>1<br>1 | SAFETY VALVE G 1"<br>PRESSURE GAUGE Ø 63 MM G 1/4"<br>BALL TAP G 1"     | BRASS                | 2014/68/UE (PED) | 11 BAR<br>11 BAR | 38221<br>LT/MIN  |
| KIT00026  | 1<br>1<br>1 | SAFETY VALVE G 3/4"<br>PRESSURE GAUGE Ø 63 MM G 1/4"<br>BALL TAP G 1/2" | BRASS                | 2014/68/UE (PED) | 12 BAR<br>12 BAR | 19184<br>LT/MIN  |
| KIT00028  | 1<br>1<br>1 | SAFETY VALVE G 1"<br>PRESSURE GAUGE Ø 63 MM G 1/4"<br>BALL TAP G 1"     | BRASS                | 2014/68/UE (PED) | 12 BAR<br>12 BAR | 41407<br>LT/MIN  |
| KIT00114  | 1<br>1      | SAFETY VALVE G 1/2"<br>PRESSURE GAUGE Ø 63 MM G 1/4"                    | BRASS                | 2014/68/UE (PED) | 15 BAR<br>15 BAR | 9650<br>LT/MIN   |
| KIT00031  | 1<br>1      | SAFETY VALVE G 1/2"<br>PRESSURE GAUGE Ø 63 MM G 1/4"                    | BRASS                | 2014/68/UE (PED) | 16 BAR<br>16 BAR | 10253<br>LT/MIN  |
| KIT00088  | 1<br>1      | SAFETY VALVE G 3/4"<br>PRESSURE GAUGE Ø 63 MM G 1/4"                    | BRASS                | 2014/68/UE (PED) | 16 BAR<br>16 BAR | 24851<br>LT/MIN  |
| KIT00023  | 1<br>1      | SAFETY VALVE G 1"<br>PRESSURE GAUGE Ø 63 MM G 1/4"                      | BRASS                | 2014/68/UE (PED) | 16 BAR<br>16 BAR | 54147<br>LT/MIN  |
| KIT00040  | 1<br>1      | SAFETY VALVE G 1/2"<br>PRESSURE GAUGE Ø 63 MM G 1/4"                    | BRASS                | 2014/68/UE (PED) | 21 BAR<br>25 BAR | 16517<br>LT/MIN  |
| KIT00105  | 1<br>1      | "SAFETY VALVE G 1/2"<br>PRESSURE GAUGE Ø 63 MM G 1/4"                   | BRASS                | 2014/68/UE (PED) | 32 BAR<br>32 BAR | 24811<br>LT/MIN  |
| KIT00106  | 1<br>1      | SAFETY VALVE G 1"<br>PRESSURE GAUGE Ø 63 MM G 1/4"                      | BRASS                | 2014/68/UE (PED) | 32 BAR<br>32 BAR | 103110<br>LT/MIN |
| KIT00107  | 1<br>1      | SAFETY VALVE G 1/2"<br>PRESSURE GAUGE Ø 63 MM G 1/4"                    | BRASS                | 2014/68/UE (PED) | 42 BAR<br>42 BAR | 32350<br>LT/MIN  |
| KIT00087  | 1<br>1      | SAFETY VALVE G 1"<br>PRESSURE GAUGE Ø 63 MM G 1/4"                      | BRASS                | 2014/68/UE (PED) | 42 BAR<br>42 BAR | 134442<br>LT/MIN |
| KIT00030  | 1<br>1      | SAFETY VALVE G 1/2"<br>PRESSURE GAUGE Ø 63 MM G 1/4"                    | BRASS                | 2014/68/UE (PED) | 8 BAR<br>8 BAR   | 5419<br>LT/MIN   |
| KIT00102  | 1<br>1      | SAFETY VALVE G 1"<br>PRESSURE GAUGE Ø 63 MM G 1/4"                      | BRASS                | 2014/68/UE (PED) | 8 BAR<br>8 BAR   | 28666<br>LT/MIN  |
| KIT00044  | 1<br>1      | SAFETY VALVE G 1/2" (STAINLESS STEEL)<br>PRESSURE GAUGE Ø 63 MM G 1/4"  | 316L STAINLESS STEEL | 2014/68/UE (PED) | 11 BAR<br>11 BAR | 8983<br>LT/MIN   |
| KIT00103  | 1<br>1      | SAFETY VALVE G 1" (STAINLESS STEEL)<br>PRESSURE GAUGE Ø 63 MM G 1/4"    | 316L STAINLESS STEEL | CE PED 97/23     | 11 BAR<br>11 BAR | 7237<br>LT/MIN   |
| ART00122  | 1           | PRESSURE GAUGE FLANGE G 3/8"                                            | BRASS                | =====            | =====            |                  |

# INSTALLATIONS

## COMPRESSED AIR PLAN EXAMPLE



## AUTOClave PLANT EXAMPLE





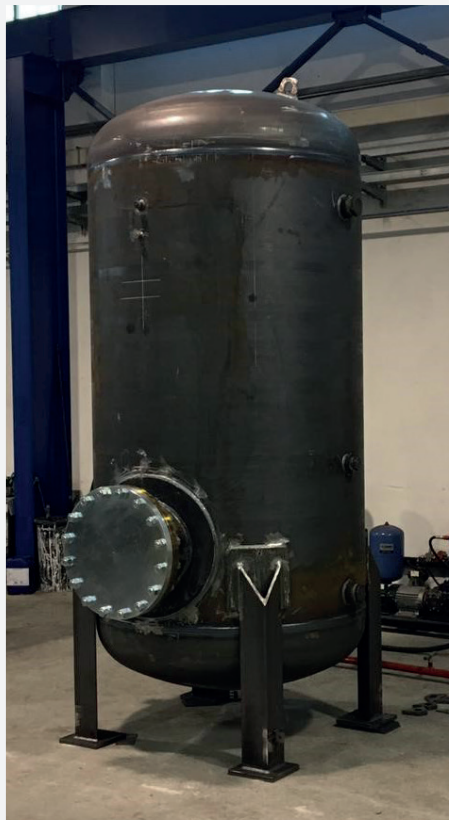
# SPECIAL PROJECTS

We closely cooperate with our customers during activities of research and development, supporting their quality and specification requirements with a view to ideal product integration in the system where our vessels are to be installed.

We ensure the utmost care and attention to customized design projects in accordance with customer specifications and instructions, e.g., special flange mounting requirements, manual welding or customized carpentries.









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