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Vessels



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The companies of **Baglioni Spa** manufacture carbon- and stainless-steel pressure equipment used for storage and processing in the compressed-air, Oil&Gas, cryogenics, air-treatment and oil/sludge filtering sectors.

Baglioni Group includes eight companies located in EUROPE, USA and CHINA.

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Certifications

Our products are designed and manufactured in compliance with the applicable EU Directives or according to the major international standards, such as:

- ▲ SPVD 2014/29/UE Directive (ex 2009/105/EC)
Simple Pressure Vessels Directive
- ▲ PED 2014/68/UE Directive (ex 97/23/EC)
Pressure Equipment Directive
- ▲ ASME Sect. VIII Div. 1 / Div. 2
- ▲ National Board Registration
- ▲ Canadian Registration Number (CRN)
- ▲ Australian Standard AS1210
- ▲ MOM Singapore Regulation
- ▲ DOSH Malaysia Regulation
- ▲ Visto Consolare
 - Tunisia
 - Marocco
- ▲ Manufacture License of Special Equipment
People's Republic of China D1/D2 - A1/A2
- ▲ MHLW Japan Regulation
- ▲ Israelian Standard Regulation
- ▲ Croazia Registration
- ▲ 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
- ▲ EAC TRCU032 RUSSIA



FINISHING



PAINTING: 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.



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 zinc-steel alloy that forms an extremely resistant, long-lasting anti-corrosion coating. The thickness of the protection depends on material type, dipping time and zinc bath temperature.



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, governing the hygiene of food-grade containers containing substances for personal use.



PICKLING AND PASSIVATION: Internal and external treatment for stainless 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.

SURFACE ELECTROPOLISHING TREATMENT:

This surface treatment electrolytically removes all metal particles in order to reduce roughness. This process is essential when corrosion-resistance and cleanliness requirements are particularly strict (e.g., for pharmaceutical, chemical, biochemical and food products).

FOOD-GRADE AND PHARMACEUTICAL TREATMENT:

This special treatment is performed after pickling and passivation, as required for food and pharmaceutical processing in compliance with ASTM A380 regulation.



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

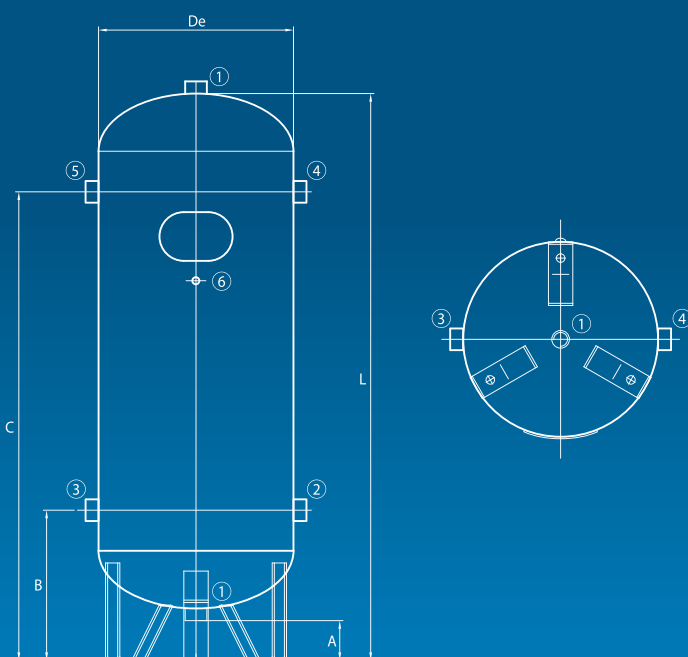
SMALL-SIZE VERTICAL AIR VESSELS



DIRECTIVE 2014/29/UE
OPERATING PRESSURE 11/16 BAR
OPERATING TEMPERATURE -10 +100°C

RAL5015

GALVANIZED



- **MATERIAL:** CARBON STEEL
- **FLUID CONTENT:** COMPRESSED AIR / NITROGEN (GROUP 2)
- **FINISHING:** EXTERNAL RAL 5015 BLUE PAINT (STANDARD) AND INTERNAL AND EXTERNAL HOT-DIP GALVANIZATION
- **UPON REQUEST:** 1" COUPLINGS ON HEADS

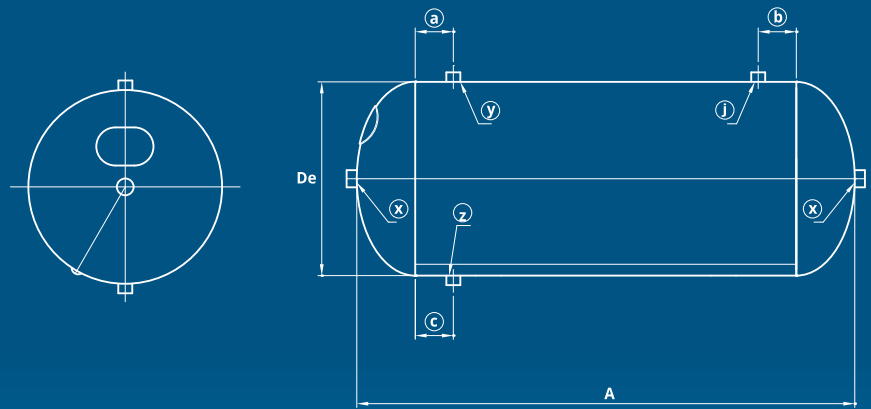


CODE	Directive	Capacity	Operating pressure	De	A	B	C	L	1	2	3	4	5	6	Weight
RAL 5015		Lt	Bar	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	Kg
VEC01295	2014/29/UE	24	11	240	64	185	535	656	1/2"	-	1/2"	1/2"	-	3/8"	10
VEC01296	2014/29/UE	50	11	305	145	297	777	929	1/2"	1/2"	-	-	1/2"	3/8"	19
VEC00875	2014/29/UE	50	15	305	145	297	777	929	1/2"	1/2"	-	-	1/2"	3/8"	23
GALVANIZED		Lt	Bar	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	Kg
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

SMALL-SIZE HORIZONTAL AIR VESSELS



HORIZONTAL VESSELS WITHOUT BRACKETS



CODE	Directive	Capacity	Operating pressure	De	A	B	C	D	E	H	a	b	c	x	y	j	z	Weight
RAL 5015		Lt	Bar	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	Kg
VEC01839	2014/29/UE	5	11	150	370	-	-	-	-	-	-	-	-	1/2"	-	-	1/4"	5,5
VEC01238	2014/29/UE	10	11	169	506	-	-	-	-	-	-	60	50	1/2"	-	3/8"	3/8"	7
VEC01239	2014/29/UE	15	11	196	522	-	-	-	-	-	-	60	50	1/2"	-	3/8"	3/8"	8
VEC01240	2014/29/UE	24	11	240	592	-	-	-	-	-	-	60	50	1/2"	-	3/8"	3/8"	9
VEC01241	2014/29/UE	50	11	305	784	-	-	-	-	-	60	60	60	1/2"	1/2"	1/2"	3/8"	18

DIRECTIVE

2014/29/UE

OPERATING PRESSURE

11/16 BAR

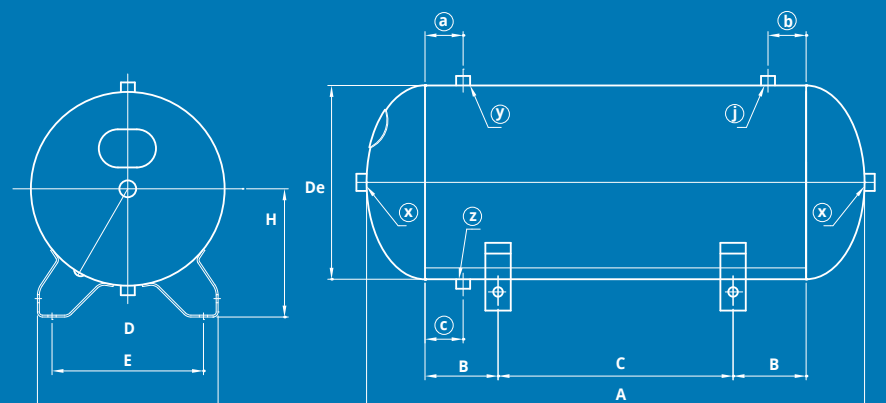
OPERATING TEMPERATURE

-10 +100°C

- MATERIAL: CARBON STEEL
- FLUID CONTENT: COMPRESSED AIR / NITROGEN (GROUP 2)
- FINISHING: EXTERNAL RAL 5015 BLUE PAINT (STANDARD) AND INTERNAL AND EXTERNAL HOT-DIP GALVANIZATION
- UPON REQUEST: 1" COUPLINGS ON HEADS

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
RAL 5015		Lt	Bar	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	Kg
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	249	301	203	60	60	60	1/2"	1/2"	1/2"	3/8"	23

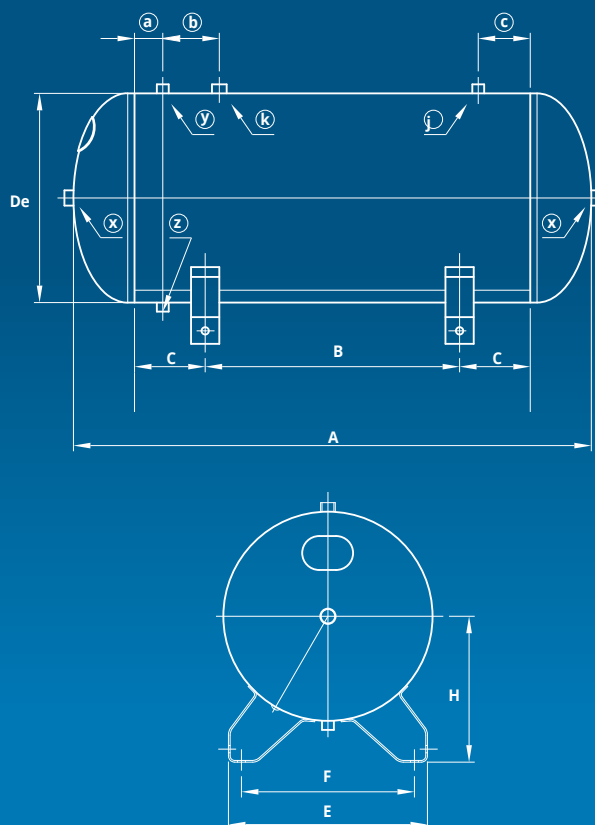


PAINTED HORIZONTAL AIR VESSELS WITH BRACKETS



DIRECTIVE	2014/29/UE	2014/68/UE (PED)
OPERATING PRESSURE	11/16 BAR	12/16 BAR
OPERATING TEMPERATURE	-10 +100°C	-10 +50°C

- MATERIAL: CARBON STEEL
- FLUID CONTENT: COMPRESSED AIR / NITROGEN (GROUP 2)
- FINISHING: EXTERNAL RAL 5015 BLUE PAINT (STANDARD)



CODE	Directive	Capacity	Operating pressure	De	A	B	C	E	F	H	a	b	c	x	y	k	j	z	Weight
RAL 5015		Lt	Bar	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	Kg
VEC00633	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"	29
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
VEC00634	2014/29/UE	150	11	396	1240	650	175	368	322	271	50	130	50	1/2"	3/8"	1/2"	3/8"	3/8"	44
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
VEC00635	2014/29/UE	200	11	446	1364	750	175	440	385	288	50	150	50	1/2"	3/8"	1/2"	1/2"	3/8"	55
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
VEC00474	2014/29/UE	270	11	500	1458	800	175	455	402	315	50	130	50	1/2"	3/8"	1"	1/2"	3/8"	67
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
VEC00873	2014/29/UE	720	11	750	1850	1000	200	580	470	490	60	155	60	2"	3/8"	1"	1/2"	3/8"	178
VEC00707	2014/29/UE	900	11	800	1960	1014	243	605	490	500	60	155	60	2"	3/4"	1"	1/2"	1/2"	194
VEC00515	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
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	950	200	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
VEC01084	2014/29/UE	100	16	370	1016	550	125	352	306	258	45	80	45	1/2"	3/8"	3/4"	3/8"	3/8"	69
VEC02198	2014/29/UE	200	15	446	1364	750	175	440	385	288	50	150	50	1/2"	3/8"	1/2"	1/2"	3/8"	79
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

GALVANIZED AND ALM-PAINING HORIZONTAL AIR VESSELS

DIRECTIVE	2014/29/UE	2014/68/UE (PED)
OPERATING PRESSURE	11/16 BAR	12/16 BAR
OPERATING TEMPERATURE	-10 +100°C	-10 +50°C

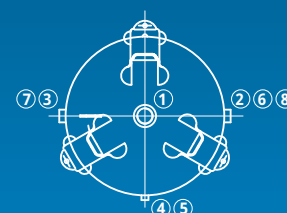
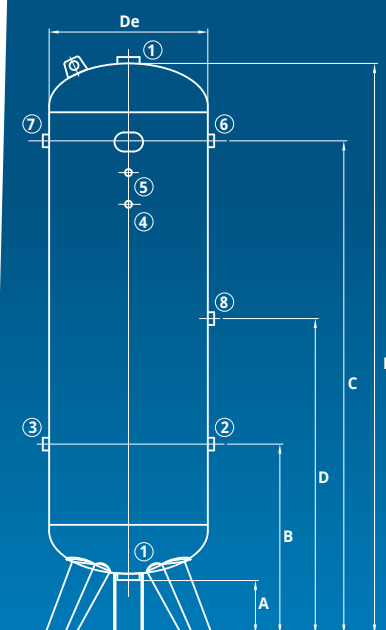
- **MATERIAL: CARBON STEEL**
- **FLUID CONTENT: COMPRESSED AIR / NITROGEN / ARGON / HELIUM / OIL / OXYGEN (GROUP 1 - HYDROGEN EXCLUDED)**
- **GALVANIZED FINISHING:**
INTERNAL AND EXTERNAL HOT-DIP GALVANIZATION
- **ALM FINISHING:**
EXTERNAL RAL 5015 BLUE PAINT (STANDARD) AND INTERNAL RAL 5005 CORROSION-RESISTANT ALM PAINT
- **UPON REQUEST: INSPECTION PORTS - 100X150 MM HANDHOLE (FROM 1000 TO 3000 LT)**



CODE	Directive	Capacity	Operating pressure	De	A	B	C	E	F	H	a	b	c	x	y	k	j	z	Weight
GALVANIZED		Lt	Bar	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	Kg
VEC01772	2014/29/UE	100	11	370	1016	550	125	352	306	258	45	80	45	2"	3/8"	1/2"	3/8"	3/8"	32
VEC01229	2014/29/UE	200	11	446	1364	750	175	440	385	288	50	150	50	2"	3/8"	1/2"	1/2"	3/8"	58
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
VEC02069	2014/29/UE	720	11	750	1850	970	215	570	460	495	60	155	60	2"	3/8"	1"	1/2"	3/8"	181
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	950	200	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

CODE	Directive	Capacity	Operating pressure	De	A	B	C	E	F	H	a	b	c	x	y	k	j	z	Weight
ALM		Lt	Bar	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	Kg
VEC02315	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
VEC02316	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
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
VEC02286	2014/29/UE	720	11	750	1850	970	215	570	460	495	60	155	60	2"	3/8"	1"	1/2"	3/8"	178
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	950	200	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

11-12 BAR PAINTED VERTICAL AIR VESSELS

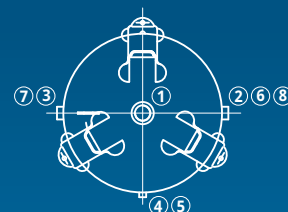
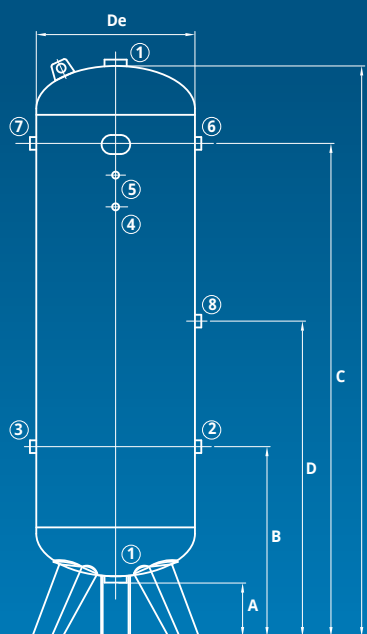


DIRECTIVE	2014/29/UE	2014/68/UE (PED)
OPERATING PRESSURE	11 BAR	12 BAR
OPERATING TEMPERATURE	-10 +100°C	-10 +50°C

- **MATERIAL:** CARBON STEEL
- **FLUID CONTENT:** COMPRESSED AIR / NITROGEN (GROUP 2)
- **FINISHING:** EXTERNAL RAL 5015 BLUE PAINT (STANDARD)

CODE	Directive	Capacity	Operating pressure	De	A	B	C	D	L	1	2	3	4	5	6	7	8	Weight
RAL 5015		Lt	Bar	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	inch	inch	Kg
VEC01866	2014/29/UE	90	11	370	180	348	968	-	1126	1/2"	3/4"	-	3/8"	3/8"	-	3/4"	-	29
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
VEC02071	2014/29/UE	200	11	446	175	400	1225	-	1557	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
VEC00795	2014/29/UE	270	11	500	175	599	1304	-	1648	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
VEC00507	2014/29/UE	720	11	750	135	880	1705	-	2030	2"	1"	1"	3/8"	3/8"	1"	1"	-	178
VEC00510	2014/29/UE	720	11	750	135	880	1705	-	2030	2"	2"	2"	3/8"	3/8"	2"	2"	-	178
VEC00511	2014/29/UE	900	11	800	145	875	1805	-	2140	2"	1 1/2"	1 1/2"	3/8"	3/8"	1 1/2"	1 1/2"	-	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

16 BAR PAINTED VERTICAL AIR VESSELS



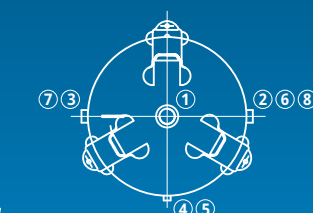
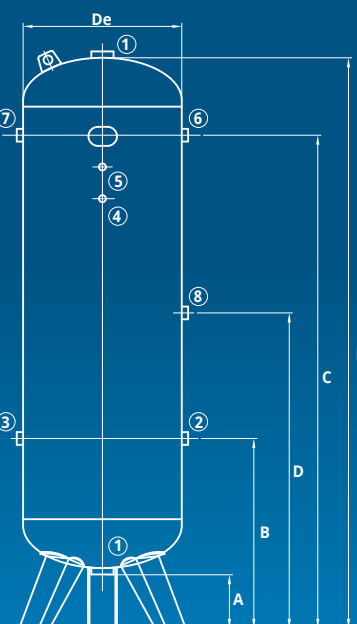
DIRECTIVE	2014/29/UE	2014/68/UE (PED)
OPERATING PRESSURE	11 BAR	12 BAR
OPERATING TEMPERATURE	-10 +100°C	-10 +50°C

- **MATERIAL: CARBON STEEL**
- **FLUID CONTENT: COMPRESSED AIR / NITROGEN (GROUP 2)**
- **FINISHING: EXTERNAL RAL 5015 BLUE PAINT (STANDARD)**



CODE	Directive	Capacity	Operating pressure	De	A	B	C	D	L	1	2	3	4	5	6	7	8	Weight
RAL 5015		Lt	Bar	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	inch	inch	Kg
VEC00877	2014/29/UE	100	16	370	180	355	1055	-	1213	1/2"	3/4"	-	3/8"	3/8"	-	3/4"	-	40
VEC00878	2014/29/UE	150	16	396	170	385	1210	-	1430	1/2"	1"	-	3/8"	3/8"	-	1"	-	54
VEC00876	2014/29/UE	200	15	446	175	400	1225	-	1557	1/2"	1"	-	3/8"	3/8"	-	1"	-	76
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	1100	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

11-12-16 BAR GALVANIZED VERTICAL AIR VESSELS

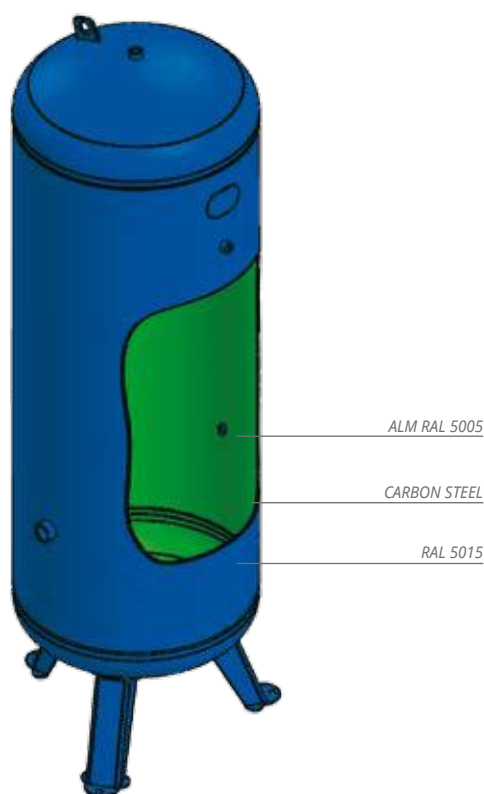


DIRECTIVE	2014/29/UE	2014/68/UE (PED)
OPERATING PRESSURE	11/16 BAR	12/16 BAR
OPERATING TEMPERATURE	-10 +100°C	-10 +50°C

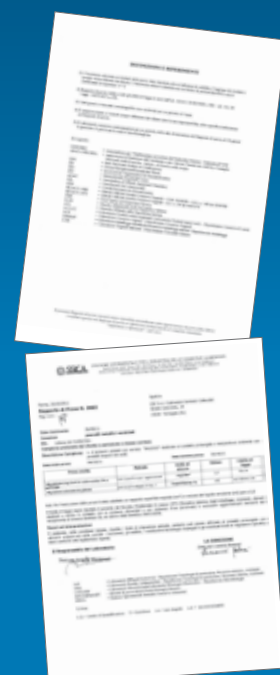
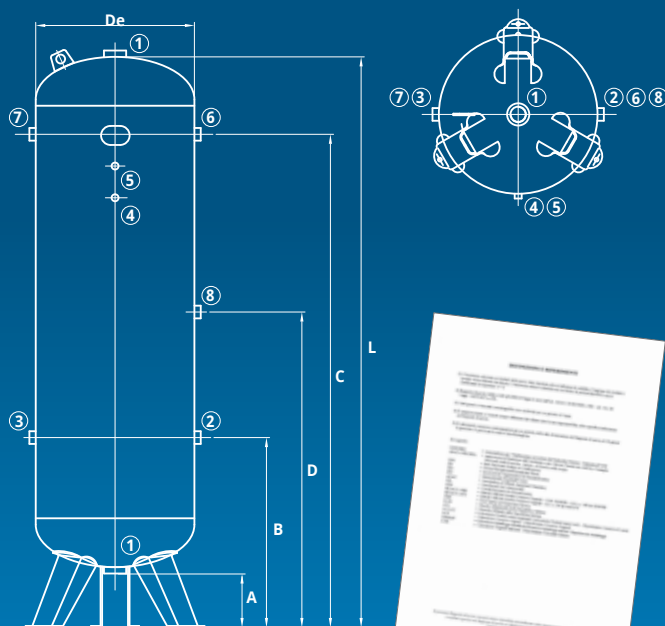
- **MATERIAL:** CARBON STEEL SUITABLE FOR GALVANIZATION
- **FLUID CONTENT:** COMPRESSED AIR / NITROGEN (GROUP 2)
- **FINISHING:** INTERNAL AND EXTERNAL HOT-DIP GALVANIZATION

CODE	Directive	Capacity	Operating pressure	De	A	B	C	D	L	1	2	3	4	5	6	7	8	Weight
GALVANIZED		Lt	Bar	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	inch	inch	Kg
VEC02472	2014/29/UE	90	11	370	180	348	968	-	1126	2"	3/4"	-	3/8"	3/8"	-	3/4"	-	30
VEC00901	2014/29/UE	100	11	370	170	355	1055	-	1213	2"	3/4"	-	3/8"	3/8"	-	3/4"	-	32
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
VEC00907	2014/29/UE	720	11	750	135	880	1705	-	2030	2"	2"	2"	3/8"	3/8"	2"	2"	-	181
VEC00512	2014/29/UE	900	11	800	145	875	1805	-	2140	2"	1"1/2	1"1/2	3/8"	3/8"	1"1/2	1"1/2	-	198
VEC00519	2014/68/UE (PED)	1000	12	800	145	770	1720	-	2350	2"	2"	2"	3/8"	3/8"	2"	2"	-	214
VEC00526	2014/68/UE (PED)	1500	12	1000	170	680	1780	-	2305	2"	2"	2"	1/2"	1/2"	2"	2"	-	325
VEC00529	2014/68/UE (PED)	2000	12	1100	200	770	1970	-	2490	2"	2"	2"	1/2"	1/2"	2"	2"	-	394
VEC02276	2014/68/UE (PED)	2000	12	1100	200	770	1970	-	2490	2"	3"	3"	1/2"	1/2"	3"	3"	-	396
VEC00536	2014/68/UE (PED)	3000	12	1200	140	830	2250	1540	2990	2"	2"	2"	1/2"	1/2"	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

VERTICAL AIR VESSELS WITH INTERNAL ALM PAINT



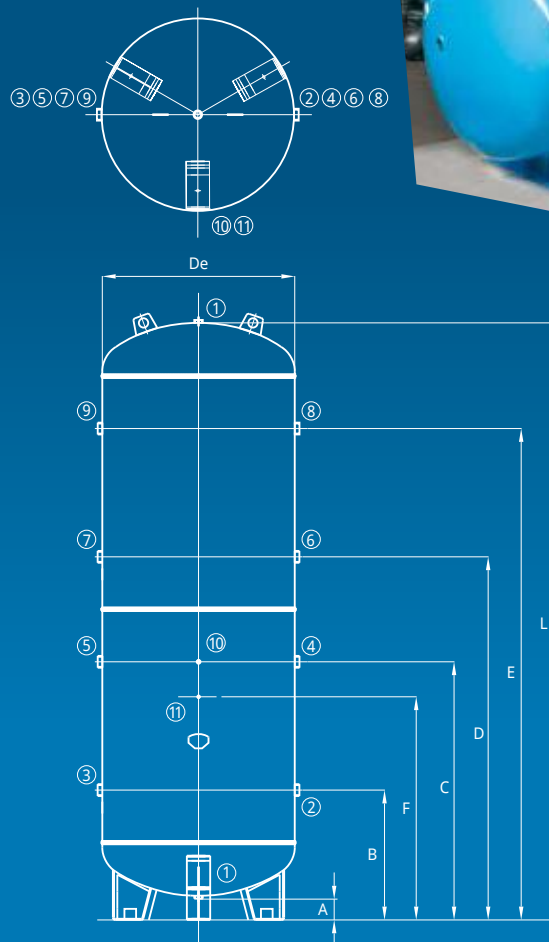
DIRECTIVE	2014/29/UE	2014/68/UE (PED)
OPERATING PRESSURE	11/16 BAR	12/16 BAR
OPERATING TEMPERATURE	-10 +100°C	-10 +50°C



- MATERIAL: CARBON STEEL
- FLUID CONTENT: COMPRESSED AIR / NITROGEN (GROUP 2)
- FINISHING: EXTERNAL RAL 5015 BLUE PAINT (STANDARD) AND INTERNAL RAL 5005 CORROSION-RESISTANT ALM PAINT

CODE	Directive	Capacity	Operating pressure	De	A	B	C	D	L	1	2	3	4	5	6	7	8	Weight
ALM		Lt	Bar	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	inch	inch	Kg
VEC01385	2014/29/UE	100	11	370	180	355	1055	-	1213	2"	3/4"	-	3/8"	3/8"	-	3/4"	-	29
VEC01127	2014/29/UE	150	11	396	170	385	1210	-	1430	2"	1"	-	3/8"	3/8"	-	1"	-	44
VEC01126	2014/29/UE	200	11	446	170	400	1225	-	1557	2"	1"	-	3/8"	3/8"	-	1"	-	55
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	750	135	880	1705	-	2030	2"	2"	2"	3/8"	3/8"	2"	2"	-	178
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
VEC02318	2014/29/UE	100	16	370	180	355	1055	-	1213	2"	3/4"	-	3/8"	3/8"	-	3/4"	-	40
VEC01935	2014/29/UE	270	16	500	175	599	1304	-	1648	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

OVER SIZE PAINTED VERTICAL AIR VESSELS



DIRECTIVE	2014/68/UE (PED)
OPERATING PRESSURE	8/12/16 BAR
OPERATING TEMPERATURE	-20 +80°C

- 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 - HORIZONTAL MODEL

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
RAL 5015		Lt	Bar	mm	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	Kg
VEC02311	2014/68/UE (PED)	5000	8	1650	175	1150	2200	-	-	1950	3200	2"	3"	-	3/4"	3/8"	1120
VEC02280	2014/68/UE (PED)	8000	8	1650	175	1150	1930	2460	3310	1680	4315	2"	3"	3"	3/4"	3/8"	1400
VEC02312	2014/68/UE (PED)	10000	8	1650	175	1150	2200	3150	4250	1950	5200	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	3200	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	4315	2"	3"	3"	3/4"	3/8"	1730
VEC00815	2014/68/UE (PED)	10000	12	1650	175	1150	2200	3150	4250	1950	5200	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	5200	2"	3"	3"	3/4"	3/8"	2585

OVER SIZE GALVANIZED AND ALM-PAINING VERTICAL AIR VESSELS

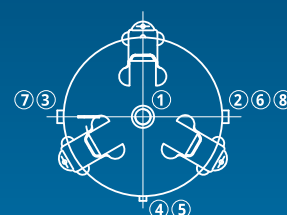
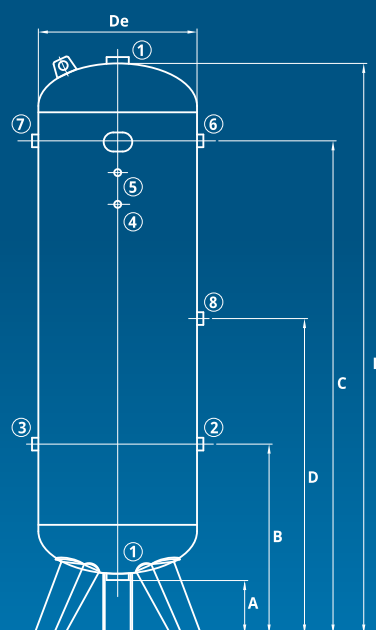


DIRECTIVE	2014/68/UE (PED)
OPERATING PRESSURE	8/12/16 BAR
OPERATING TEMPERATURE	-20 +80°C

- **MATERIAL: CARBON STEEL**
- **FLUID CONTENT: COMPRESSED AIR / NITROGEN / ARGON / HELIUM / OIL / OXYGEN (GROUP 1 - HYDROGEN EXCLUDED)**
- **GALVANIZED FINISHING:**
INTERNAL AND EXTERNAL HOT-DIP GALVANIZATION
- **ALM FINISHING:**
EXTERNAL RAL 5015 BLUE PAINT (STANDARD) AND
INTERNAL RAL 5005 CORROSION-RESISTANT ALM PAINT
- **UPON REQUEST: INSPECTION PORTS - 100X150 MM
HANDHOLE (FROM 1000 TO 3000 LT)**

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
GALVANIZED		Lt	Bar	mm	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	Kg
VEC02281	2014/68/UE (PED)	5000	8	1650	175	1150	2200	-	-	1950	3200	2"	3"	-	3/4"	3/8"	1120
VEC02282	2014/68/UE (PED)	8000	8	1650	175	1150	1930	2460	3310	1680	4315	2"	3"	3"	3/4"	3/8"	1400
VEC02283	2014/68/UE (PED)	10000	8	1650	175	1150	2200	3150	4250	1950	5200	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	3200	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	4315	2"	3"	3"	3/4"	3/8"	1730
VEC00982	2014/68/UE (PED)	10000	12	1650	175	1150	2200	3150	4250	1950	5200	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	5200	2"	3"	3"	3/4"	3/8"	2585
ALM		Lt	Bar	mm	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	Kg
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	3200	2"	3"	-	3/4"	3/8"	1360

11-12-16 BAR -20°C PAINTED VERTICAL AIR VESSELS



- 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)

DIRECTIVE	2014/68/UE (PED)	2014/68/UE (PED)
OPERATING PRESSURE	*11/16 BAR	12/16 BAR
OPERATING TEMPERATURE	-20 +50°C	-20 +80°C

CODE	Directive	Capacity	Operating pressure	De	A	B	C	L	1	2	3	4	5	6	7	Weight
RAL 5015		Lt	Bar	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	inch	Kg
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	1100	200	770	1970	2490	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

11-12-16 BAR -20°C GALVANIZED AND ALM-PAINTING VERTICAL AIR VESSELS

DIRECTIVE	2014/68/UE (PED)	2014/68/UE (PED)
OPERATING PRESSURE	*11/16 BAR	12/16 BAR
OPERATING TEMPERATURE	-20 +50°C	-20 +80°C

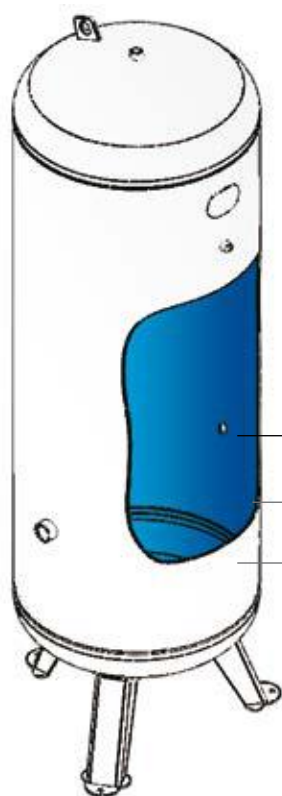
- MATERIAL: CARBON STEEL
- FLUID CONTENT: COMPRESSED AIR / NITROGEN / ARGON / HELIUM / OIL / OXYGEN (GROUP 1 - HYDROGEN EXCLUDED)
- GALVANIZED FINISHING: INTERNAL AND EXTERNAL HOT-DIP GALVANIZATION
- ALM FINISHING: EXTERNAL RAL 5015 BLUE PAINT (STANDARD) AND INTERNAL RAL 5005 CORROSION-RESISTANT ALM PAINT
- UPON REQUEST: INSPECTION PORTS - 100X150 MM HANDHOLE (FROM 1000 TO 3000 LT)



CODE	Directive	Capacity	Operating pressure	De	A	B	C	L	1	2	3	4	5	6	7	Weight
GALVANIZED		Lt	Bar	mm	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	Kg
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	1100	200	770	1970	2490	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

CODE	Directive	Capacity	Operating pressure	De	A	B	C	L	1	2	3	4	5	6	7	Weight
ALM		Lt	Bar	mm	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	Kg
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	1100	200	770	1970	2490	2"	2"	2"	1/2"	1/2"	2"	2"	450
VEC02247	2014/68/UE (PED)	3000	16	1200	140	830	2250	2990	2"	2"	2"	1/2"	1/2"	2"	2"	630

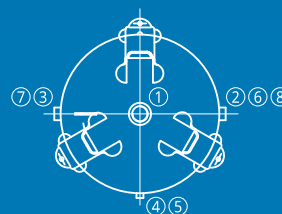
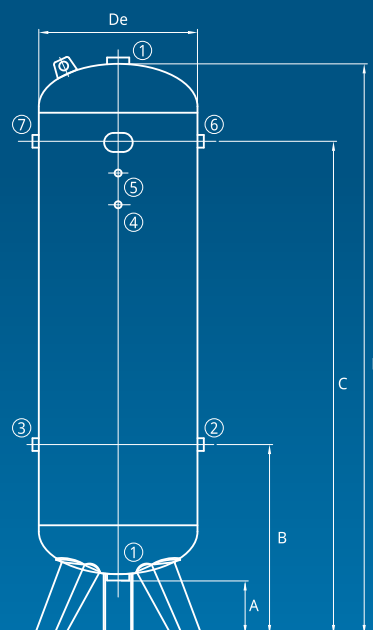
OXYGEN VERTICAL AIR VESSELS



ALM RAL 5005

CARBON STEEL

RAL 9010



DIRECTIVE

2014/68/UE (PED)

2014/68/UE (PED)

OPERATING PRESSURE

11 BAR

12 BAR

OPERATING TEMPERATURE

-20 +50°C

-20 +80°C

- MATERIAL: CARBON STEEL
- FLUID CONTENT: OXYGEN (GROUP 1 - HYDROGEN AND WATER EXCLUDED)
- FINISHING: EXTERNAL RAL 9010 WHITE PAINT AND INTERNAL RAL 5005 CORROSION-RESISTANT ALM PAINT
- UPON REQUEST: INSPECTION PORTS - 100X150 MM HANDHOLE - 300X400 MM MANHOLE

CODE	Directive	Capacity	Operating pressure	De	A	B	C	L	1	2	3	4	5	6	7	Weight
RAL 9010/RAL 5005		Lt	Bar	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	inch	Kg
VEC02176	2014/68/UE (PED)	500	11	600	155	785	1665	2050	2"	2"	2"	-	3/8"	2"	2"	116
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"	3"	835
VEC01724	2014/68/UE (PED)	5000	12	1450	225	800	2745	3390	2"	3"	3"	3/4"	3/8"	3"	3"	962

VACUUM VERTICAL AIR VESSELS



DIRECTIVE

OPERATING PRESSURE

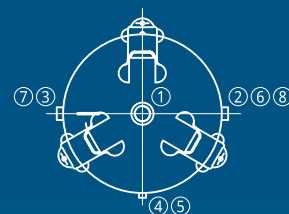
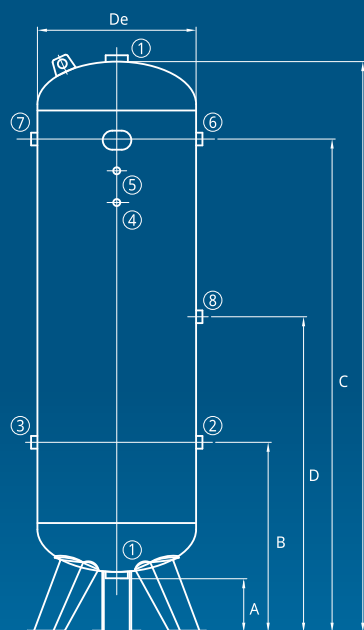
MANUFACTURER TESTING

-1 BAR

OPERATING TEMPERATURE

-10 +100°C

- MATERIAL: CARBON STEEL
- SUITABLE FOR VACUUM PUMPS AND UNITS
- FINISHING: EXTERNAL RAL 5015 BLUE PAINT (STANDARD)



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.

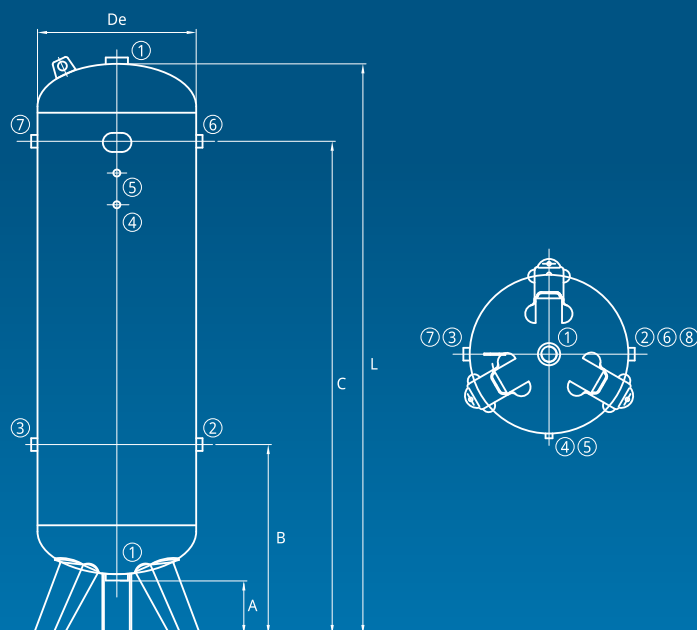
THE VESSELS ARE USED TO REPRODUCE A SETTING WHERE GAS PRESSURE IS LOWER THAN THE ATMOSPHERIC ONE. VACUUM VESSELS ARE NOT GOVERNED BY ANY DIRECTIVE AND ARE THEREFORE EXCLUDED FROM CE MARKING REQUIREMENTS.

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
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

21 BAR PAINTED VERTICAL AIR VESSELS



DIRECTIVE	2014/29/UE
OPERATING PRESSURE	21 BAR
OPERATING TEMPERATURE	-20 +100°C

- MATERIAL: CARBON STEEL
- FLUID CONTENT: COMPRESSED AIR / NITROGEN (GROUP 2)
- FINISHING: EXTERNAL RAL 5015 BLUE PAINT (STANDARD)
- UPON REQUEST: GALVANIZATION AND ALM PAINTING

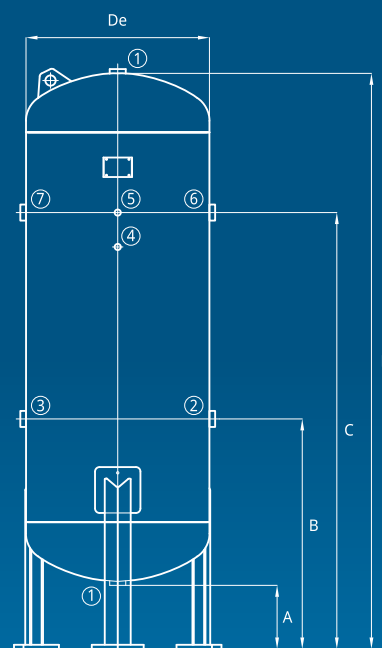
CODE	Directive	Capacity	Operating pressure	De	A	B	C	L	1	2	3	4	5	6	7	Weight
RAL 5015		Lt	Bar	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	inch	Kg
VEC00883	2014/29/UE	120	21	396	300	505	1175	1362	2"	3/4"	3/4"	1/4"	3/4"	3/4"	-	56
VEC02407	2014/29/UE	270	21	500	175	600	1305	1673	2"	1"	1"	-	3/8"	1"	-	108
VEC01470	2014/29/UE	475	21	600	155	785	1665	2050	2"	2"	2"	-	3/8"	2"	2"	220

DIRECTIVE	2014/68/UE (PED)
OPERATING PRESSURE	21 BAR
OPERATING TEMPERATURE	-20 +50°C

- 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 - GALVANIZATION AND ALM PAINTING

CODE	Directive	Capacity	Operating pressure	De	A	B	C	L	1	2	3	4	5	6	7	Weight
RAL 5015		Lt	Bar	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	inch	Kg
VEC02272	2014/68/UE (PED)	150	21	396	170	385	1210	1430	2"	1"	-	3/8"	3/8"	-	1"	58
VEC02273	2014/68/UE (PED)	270	21	500	175	600	1305	1673	2"	1"	1"	-	3/8"	1"	1"	108
VEC02274	2014/68/UE (PED)	500	21	600	155	785	1665	2065	2"	2"	2"	-	3/8"	2"	2"	220
VEC02275	2014/68/UE (PED)	1000	21	800	145	770	1720	2375	2"	2"	2"	3/8"	3/8"	2"	2"	352

32 BAR PAINTED VERTICAL AIR VESSELS

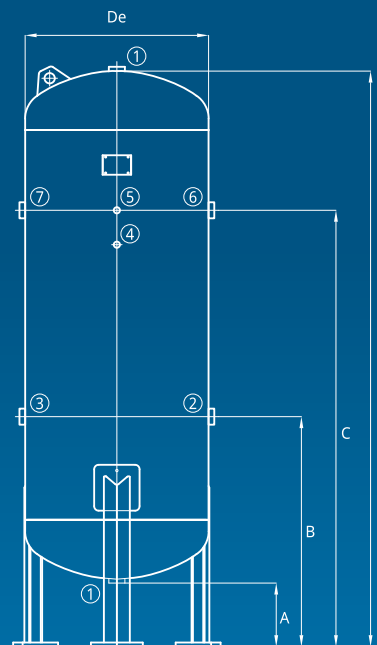


DIRECTIVE	2014/68/UE (PED)
OPERATING PRESSURE	32 BAR
OPERATING TEMPERATURE	-20 +50°C

- **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 - GALVANIZATION AND ALM PAINTING**

CODE	Directive	Capacity	Operating pressure	De	A	B	C	L	1	2	3	4	5	6	7	Weight
RAL 5015		Lt	Bar	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	inch	Kg
VEC02248	2014/68/UE (PED)	100	32	370	180	380	1055	1240	2"	3/4"	-	3/8"	3/8"	-	3/4"	88
VEC02249	2014/68/UE (PED)	270	32	500	175	600	1305	1673	2"	1"	1"	-	3/8"	1"	1"	192
VEC02250	2014/68/UE (PED)	500	32	600	155	785	1665	2063	2"	2"	2"	1/2"	1/2"	2"	2"	291
VEC02251	2014/68/UE (PED)	1000	32	800	145	770	1720	2375	2"	2"	2"	3/8"	3/8"	2"	2"	468
VEC02252	2014/68/UE (PED)	1500	32	1000	170	680	1780	2322	2"	2"	2"	1/2"	1/2"	2"	2"	663
VEC02253	2014/68/UE (PED)	2000	32	1100	200	880	1913	2576	2"	2"	2"	1/2"	1/2"	2"	2"	800
VEC02254	2014/68/UE (PED)	3000	32	1200	140	830	2250	2314	2"	2"	2"	1/2"	1/2"	2"	2"	1183
VEC02255	2014/68/UE (PED)	4000	32	1450	225	800	2145	2847	2"	3"	3"	3/4"	3/8"	3"	3"	1935
VEC02256	2014/68/UE (PED)	5000	32	1450	225	800	2745	3447	2"	3"	3"	3/4"	3/8"	3"	3"	2325

42 BAR PAINTED VERTICAL AIR VESSELS



DIRECTIVE	2014/68/UE (PED)
OPERATING PRESSURE	42 BAR
OPERATING TEMPERATURE	-20 +50°C

- 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 - GALVANIZATION AND ALM PAINTING

CODE	Directive	Capacity	Operating pressure	De	A	B	C	L	1	2	3	4	5	6	7	Weight
RAL 5015		Lt	Bar	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	inch	Kg
VEC02262	2014/68/UE (PED)	100	42	370	180	380	1055	1240	2"	3/4"	-	3/8"	3/8"	-	3/4"	95
VEC02263	2014/68/UE (PED)	200	42	446	200	450	1255	1620	2"	1"	-	1/2"	3/8"	-	1"	140
VEC02264	2014/68/UE (PED)	270	42	500	175	600	1305	1673	2"	1"	1"	-	3/8"	1"	1"	209
VEC02265	2014/68/UE (PED)	500	42	600	155	785	1665	2063	2"	2"	2"	1/2"	1/2"	2"	2"	350
VEC02266	2014/68/UE (PED)	1000	42	800	145	770	1720	2375	2"	2"	2"	3/8"	3/8"	2"	2"	673
VEC02267	2014/68/UE (PED)	1500	42	1000	170	680	1780	2322	2"	2"	2"	1/2"	1/2"	2"	2"	830
VEC02268	2014/68/UE (PED)	2000	42	1100	200	880	1913	2576	2"	2"	2"	1/2"	1/2"	2"	2"	800
VEC02269	2014/68/UE (PED)	3000	42	1200	140	830	2250	2914	2"	2"	2"	1/2"	1/2"	2"	2"	1935
VEC02270	2014/68/UE (PED)	4000	42	1450	225	800	2145	2847	2"	3"	3"	3/4"	3/8"	3"	3"	2540
VEC02271	2014/68/UE (PED)	5000	42	1450	225	800	2745	3447	2"	3"	3"	3/4"	3/8"	3"	3"	2845

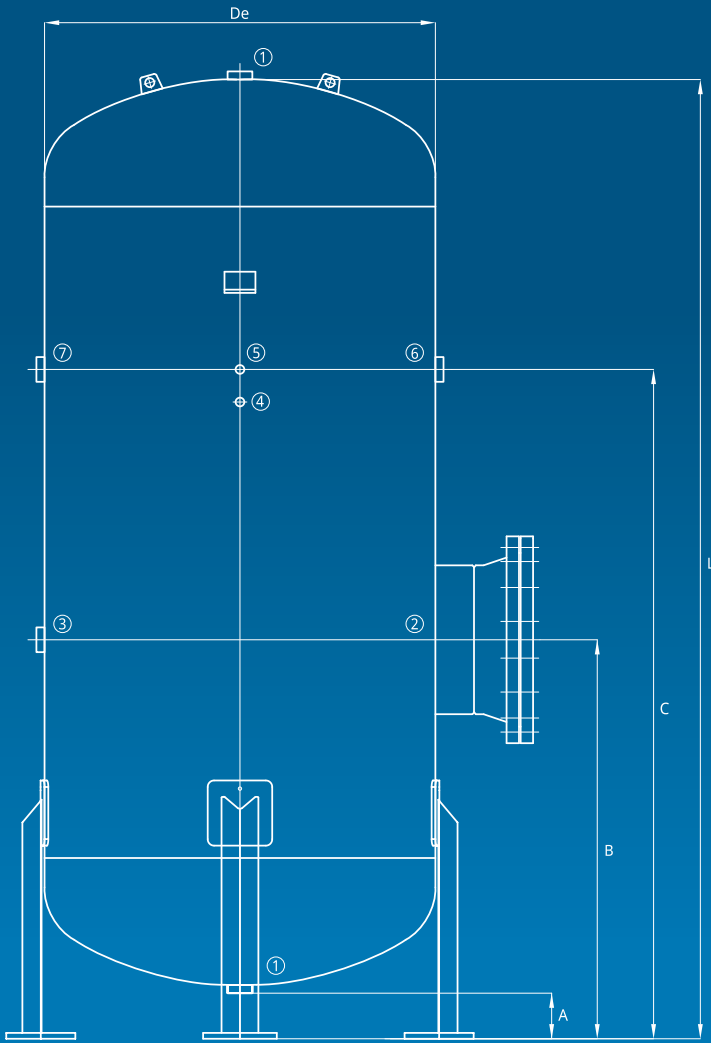
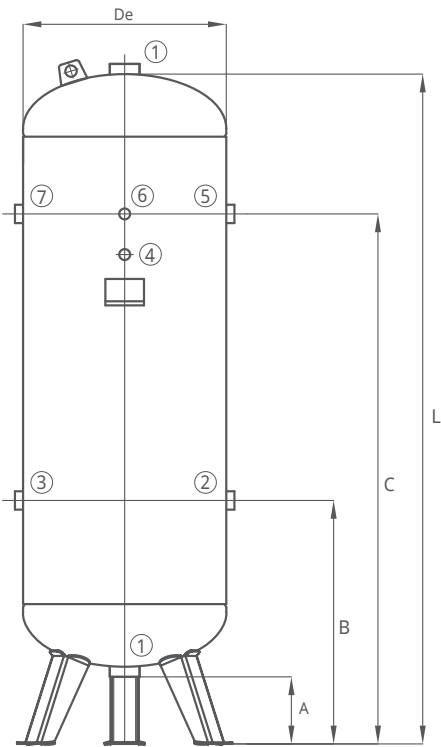
ASME VESSELS

- 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 5)

DIRECTIVE

**ASME SECTION VIII
DIVISION 1**

OPERATING PRESSURE	FROM 145 PSI TO 300 PSI
OPERATING TEMPERATURE	-29 +250°F



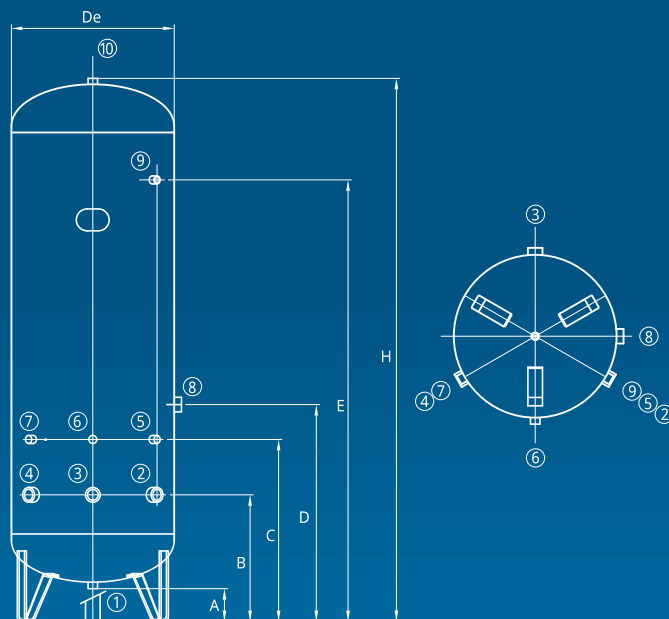
Capacity	De	A	B	C	L	1	2	3	4	5	6	7
Lt	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	inch
2000	1100	200	770	1970	2490	2"	2"	2"	1/2"	1/2"	2"	2"
3000	1200	140	830	2250	2990	2"	2"	2"	1/2"	1/2"	2"	2"
5000	1450	225	900	2745	3390	2"	3"	3"	3/4"	3/8"	3"	3"

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"

VERTICAL VESSELS FOR PRESSURIZED WATER (AUTOCLAVE)



DIRECTIVE	2014/68/UE (PED)
OPERATING PRESSURE	8 BAR
OPERATING TEMPERATURE	-10 +50°C



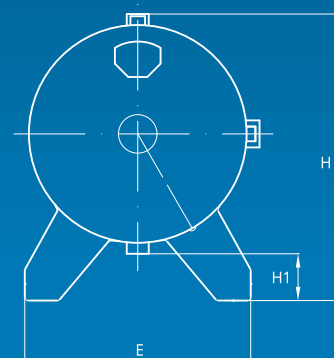
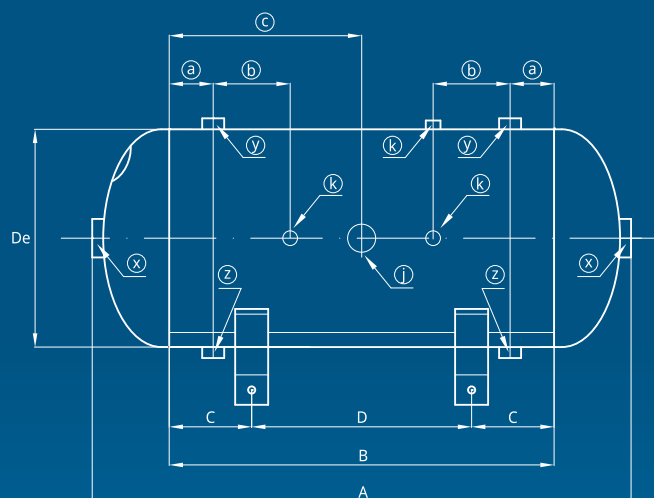
- MATERIAL: CARBON STEEL, SUITABLE FOR GALVANIZATION
- FLUID CONTENT: COMPRESSED AIR / WATER (GROUP 2)
- FINISHING: INTERNAL AND EXTERNAL HOT-DIP GALVANIZATION

CODE	Directive	Capacity	Operating pressure	De	A	B	C	D	E	H	1	2-3-4	5-6-7	8	9	10	Weight
GALVANIZED		Lt	Bar	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	Kg
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
VEC01255	2014/68/UE (PED)	100	8	396	87	328	479	579	779	1068	2"	1"	1/2"	1"1/4	1/2"	2"	35
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
VEC01258	2014/68/UE (PED)	270	8	500	130	418	783	883	1283	1632	2"	1"1/4	1/2"	1"1/4	1/2"	2"	68
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
VEC01263	2014/68/UE (PED)	500	8	750	115	460	715	815	1180	1515	2"	2"	1/2"	1"1/4	1/2"	2"	93
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

HORIZONTAL VESSELS FOR PRESSURIZED WATER (AUTOCLAVE)



DIRECTIVE	2014/68/UE (PED)
OPERATING PRESSURE	8 BAR
OPERATING TEMPERATURE	-10 +50°C



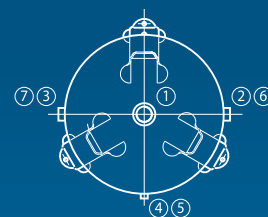
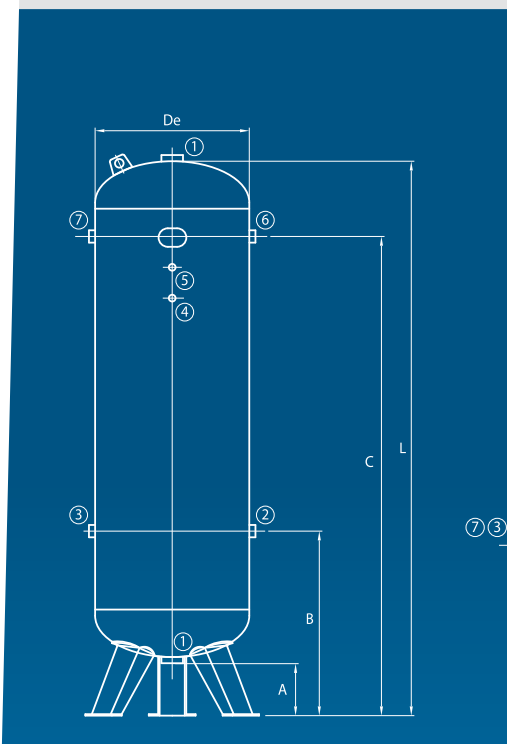
- MATERIAL: CARBON STEEL, SUITABLE FOR GALVANIZATION
- FLUID CONTENT: COMPRESSED AIR / WATER (GROUP 2)
- FINISHING: INTERNAL AND EXTERNAL HOT-DIP GALVANIZATION

CODE	Directive	Capacity	Operating pressure	De	A	B	C	D	E	H1	H	a	b	c	x	y	z	k	j	Weight
GALVANIZED		Lt	Bar	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	Kg
VEC01281	2014/68/UE (PED)	100	8	396	980	700	150	400	411	85	521	80	140	350	2"	1"	1"	1/2"	1"1/4	36
VEC01282	2014/68/UE (PED)	200	8	446	1404	1100	150	800	444	83	569	80	280	550	2"	1"	1"	1/2"	1"1/4	58
VEC01283	2014/68/UE (PED)	300	8	550	1403	1000	166	668	496	144	744	90	220	500	2"	1"1/4	1"1/4	1/2"	1"1/4	74
VEC01284	2014/68/UE (PED)	500	8	600	1912	1500	240	1020	520	141	791	90	470	750	2"	1"1/2	1"1/2	1/2"	1"1/4	108
VEC01285	2014/68/UE (PED)	500	8	650	1674	1250	189	872	553	138	838	90	345	625	2"	1"1/2	1"1/2	1/2"	1"1/4	96
VEC01286	2014/68/UE (PED)	750	8	750	1890	1400	175	1050	611	151	951	90	420	700	2"	2"	2"	1/2"	1"1/4	127
VEC01287	2014/68/UE (PED)	1000	8	800	2210	1700	205	1290	641	148	999	90	570	850	2"	2"	2"	1/2"	1"1/4	191

STAINLESS-STEEL VERTICAL VESSELS



- **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

2014/68/UE (PED)

11 BAR

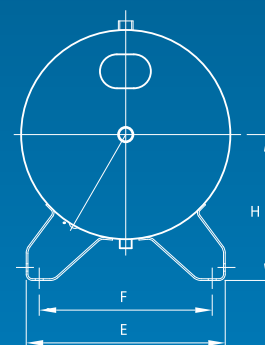
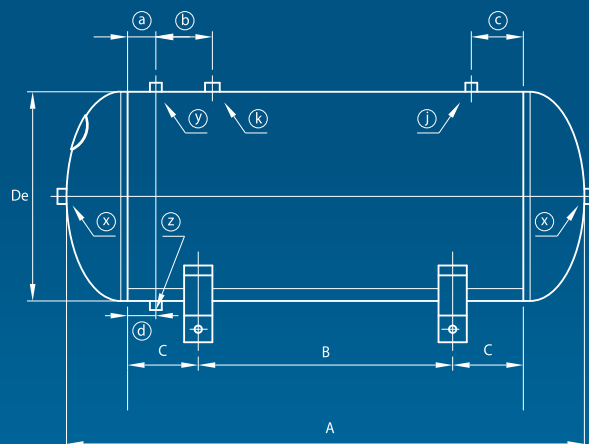
-55 +80°C

CODE	Directive	Capacity	Operating pressure	De	A	B	C	L	1	2	3	4	5	6	7	Weight
AISI 304		Lt	Bar	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	inch	Kg
VES03153	2014/68/UE (PED)	*24	11	240	40	185	577	723	1/2"	-	1/2"	-	-	1/2"	-	15
VES01881	2014/68/UE (PED)	*50	11	305	125	280	721	933	1/2"	1/2"	-	-	-	-	1/2"	21
VES01883	2014/68/UE (PED)	*100	11	370	170	298	948	1106	1/2"	3/4"	-	3/8"	3/8"	-	3/4"	32
VES03203	2014/68/UE (PED)	*150	11	446	165	-	922	1254	1/2"	-	-	1/4"	-	1"	1"	49
VES01885	2014/68/UE (PED)	*200	11	446	160	516	1216	1554	1/2"	1"	-	3/8"	3/8"	-	1"	55
VES01887	2014/68/UE (PED)	*270	11	500	165	584	1303	1748	1/2"	1"	1"	3/8"	3/8"	1"	-	69
VES01889	2014/68/UE (PED)	500	11	600	160	785	1655	2055	1/2"	1"	1"	-	3/8"	1"	1"	125
VES01891	2014/68/UE (PED)	1000	11	800	140	732	1672	2353	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		Lt	Bar	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	inch	inch	Kg
VES03155	2014/68/UE (PED)	*24	11	240	40	185	577	723	1/2"	-	1/2"	-	-	1/2"	-	15
VES01882	2014/68/UE (PED)	*50	11	305	125	280	721	933	1/2"	1/2"	-	-	-	-	1/2"	21
VES01884	2014/68/UE (PED)	*100	11	370	170	298	948	1106	1/2"	3/4"	-	3/8"	3/8"	-	3/4"	32
VES03204	2014/68/UE (PED)	*150	11	446	165	-	922	1254	1/2"	-	-	1/4"	-	1"	1"	49
VES01886	2014/68/UE (PED)	*200	11	446	160	516	1216	1554	1/2"	1"	-	3/8"	3/8"	-	1"	55
VES01888	2014/68/UE (PED)	*270	11	500	165	584	1303	1748	1/2"	1"	1"	3/8"	3/8"	1"	-	69
VES01890	2014/68/UE (PED)	500	11	600	160	785	1655	2055	1/2"	1"	1"	-	3/8"	1"	1"	125
VES01892	2014/68/UE (PED)	1000	11	800	140	732	1672	2353	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

STAINLESS-STEEL HORIZONTAL VESSELS



- **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)	2014/68/UE (PED)
OPERATING PRESSURE	11 BAR	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
AISI 304		Lt	Bar	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	Kg
VES04028	2014/68/UE (PED)	5	11	150	314	130	45	160	100	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	610	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"	3/8"	1/2"	1/2"	55
VES02598	2014/68/UE (PED)	270	11	500	1558	900	175	463	409	315	50	130	120	50	1/2"	3/8"	3/8"	1"	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"	3/8"	1"	1/2"	125
VES02602	2014/68/UE (PED)	* 1000	11	800	2200	1015	345	605	440	500	100	-	-	60	2"	3/4"	1/2"	-	-	377
AISI 316L		Lt	Bar	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	inch	Kg
VES04026	2014/68/UE (PED)	5	11	150	314	130	45	160	100	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	610	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"	3/8"	1/2"	1/2"	55
VES02599	2014/68/UE (PED)	270	11	500	1558	900	175	463	409	315	50	130	120	50	1/2"	3/8"	3/8"	1"	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"	3/8"	1"	1/2"	125
VES02603	2014/68/UE (PED)	* 1000	11	800	2200	1015	345	605	440	500	100	-	-	60	2"	3/4"	1/2"	-	-	377

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
DECLARATION OF CONFORMITY
DECLARACIÓN DE CONFORMIDAD
KONFORMITÄTSERKLÄRUNG

• Dichiaro, 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 Druckbehälter:

N.F.: N.F.: Manufacturing N.: Matricula N.: Bau-Nr.:	Capacità: Volume: Capacity: Capacidad: Inhalt:	LOTTO N.: LOT N.: Lot inspection: Lote N.: Losprüfung:	Anno di fabbricazione: Année de fabrication: Year of construction: Año de fabricación: Baujahr:
De 9491 A 9526	Lt. 500	03/09	2009
Famiglia: Famille: Family: Familia: Familie:	Pressione di servizio/Calcolo: Pression de service/Calcul: Operating pressure/Calculation: Presión de servicio/Calculo: Betriebsüberdruck/Berechnungsdruck	Variante: Variante: Type: Variación: Typ:	Temperatura di servizio: Température de service: Operating temperature: Temperatura de servicio: Betriebs Temperatur:
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 A LA DISPOSITION 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 PRESION SIMPLES
DEN VORSCHRIFTEN EG-RICHTLINIE 87/404 ÜBER EINFACHE DRUCKBEHÄLTER ENTSPRUCHT

• che il 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°1-0398
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°1-0398
ECC TYPE EXAMINATION CERTIFICATE N° 07.72226/C/PS DATED 18/10/07 REV. 18/10/07 issued by CPM, official test body n°1-0398
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°1-0398
EG-BAUMUSTERPRÜFUNG NR. 07.72226/C/PS VOM 18/10/07 REV. 18/10/07 von anerkannter Prüfstelle CPM, n°1-0398 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 (cœur 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 (corazón APAVE) sobre la placa constructor.
daß die anerkannte Prüfstelle einen Kennzeichnungsstempel auf das Herstellerschild gestempelt hat.

Terruggia, il 2/7/2009

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

"CSC09491-9526"



Pagina 1 di 2

EXHIBIT ONLY - NOT USABLE

28

INSTRUCTIONS FOR USE AND MAINTENANCE

Instructions for a proper use and maintenance of the vessels are found on page 2 of the Dec. of conf. A strict attention of this instructions will ensure the lifespan and safe use of the vessels. The parameters displayed at the bottom of this sheet are of the utmost importance to this purpose:

- Rating (A): refers to design pressure (bar) as well as the pressure limit for vessel use. This rate is found both on the name plate and the Declaration of Conformity
- Rating (B): refers to shell thickness (mm) below which the vessel can no longer be kept in operation
- Rating (C): refers to formed heads thickness (mm) below which the vessel can no longer be kept in operation

It is extremely important that ratings (B) and (C) are tested regularly because water, gas or bacterial reactions may cause natural corrosion phenomena which will determine the deterioration of materials and eventually jeopardize the product's performance.

NOTICES D'INSTRUCTION

Le récipient à pression est destiné à l'accumulation d'air comprimé et ne doit pas être soumis à de rapides fluctuations de pression. L'utilisation adéquate de l'appareil à air comprimé est une condition préalable essentielle pour en garantir la sécurité. Dans ce but l'utilisateur doit:

- 1) employer l'appareil de façon appropriée dans les **limites de pression et de température** de service qui sont indiquées sur la plaque du Constructeur.
- 2) éviter d'effectuer des soudures sur les parties à pression;
- 3) vérifier que l'appareil soit équipé d'**organes de sécurité (soupape de sécurité et pressostat)** et de **contrôle (manomètre)** efficaces et s'assurer de leur remplacement, en cas de nécessité, par d'autres organes ayant des caractéristiques équivalentes, après en avoir informé le Constructeur. En particulier, la soupape de sécurité doit être appliquée directement sur le réservoir sans possibilité d'interposition, doit avoir une capacité de décharge supérieure à la quantité d'air qui peut être admise dans le réservoir, être tarée et plombée à la pression de (A) bar. Sur le manomètre, l'index de pression de (A) bar doit être indiqué par un trait rouge.
- 4) éviter autant que possible de placer l'appareil dans des locaux qui ne sont pas suffisamment aérés. Éviter scrupuleusement d'installer l'appareil dans des zones exposées à des sources de chaleur ou à proximité de substances inflammables.
- 5) équiper impérativement l'appareil de lésions diastiques sur les supports inférieurs et lorsque soit le modèle (fixe ou mobile) pendant son utilisation de façon à éviter des vibrations qui pourraient provoquer des ruptures par fatigue. Ne pas fixer le récipient ou des parties montées sur le récipient au sol ou sur des parties fixes (colonnes, ...).
- 6) **Prévenir la corrosion:** selon le mode d'emploi, des condensats peuvent s'accumuler dans les réservoirs, ceux-ci doivent être purgés tous les jours. Cela peut se faire manuellement en ouvrant le purgeur de condensat ou par un purgeur automatique monté sur le réservoir. Dans le cadre de la maintenance l'utilisateur, ou le service après-vente habilité, doit vérifier la formation éventuelle de corrosion à l'intérieur et effectuer un contrôle extérieur à intervalles annuels. Si le réservoir est utilisé avec un compresseur sans, dans une ambiance fortement humide, ou dans des conditions défavorables (faible ventilation, vapeur acide, ...) le contrôle visuel doit se faire plus fréquemment. **L'épaisseur effective du réservoir après corrosion ne devra pas être inférieure à (B) mm pour la virole et (C) mm pour les fonds.**
- 7) agir en tout cas avec bon sens et pondération de manière analogue aux cas prévus.

TOUTE MANIPULATION ET UTILISATION IMPROPRE DE L'APPAREIL SONT FORMELLEMENT INTERDITES.

Rappel à l'utilisateur que dans tous les cas, il est tenu de respecter la législation sur l'utilisation des appareils à pression du Pays où il en fait usage.

INSTRUCTION FOR USE OF COMPRESSED AIR VESSEL

The pressure vessel is intended to be used for storage of compressed air and shall not be subject to rapid fluctuation of pressure. To ensure operation of compressed air vessel under safe conditions, the proper use of same must be guaranteed.

To this purpose, the user should proceed as follows:

- 1) use the vessel properly, within the **pressure and temperature limits** stated on the nameplate and on the testing report, which must be kept with care;
- 2) welding on the vessel is forbidden;
- 3) ensure that the vessel is complete with suitable and adequate **safety and control fittings** and replace them with equivalent ones in case of necessity, prior to the Manufacturer's consent. In particular, the safety valve must be applied directly to the vessel, have a discharge capacity higher than the air intake and be set and loaded at a pressure of (A) bar. The pressure value of (A) bar on the pressure gauge should be indicated with a red mark;
- 4) avoid, if it is possible, to store the vessel in **badly ventilated rooms**. Avoid scrupulously to store the vessel near **heating sources or inflammable substances**;
- 5) fit the pressure vessel with **vibration dampers** to avoid possible fatigue failure caused by vibration of the vessel during use. Don't anchor the vessel or attached components to the ground or fixed structures (columns etc.);
- 6) **Corrosion must be prevented:** depending on the conditions of use, condensation may accumulate inside the tank, and this must be emptied out every day. This may be done manually, by opening the draining tap, or by means of the automatic condensation drainer, if fitted to the tank. During maintenance, every 12 months, the user or a Client Service expert must check the presence of **internal corrosion** and perform an external visual control. If the receiver is used with an oil free compressor, or in surroundings that have a high level of humidity, or in adverse conditions (poor ventilation, corrosive agents, ...), the inspections should be made more frequently. **The actual wall thickness of the tank after corrosion should not be smaller than (B) mm for the shell and (C) mm for the heads**

The legal checks have to be made in accordance with the local laws and rules where the receiver is used.

7) proceed sensibly and carefully, according to the existing prescriptions.

TAMPERING AND IMPROPER USE OF THE TANK ARE FORBIDDEN

The users must comply with the laws on the operation of pressure equipment in force in the relative countries.

BETRIEBSANWEISUNGEN

Der Behälter ist bestimmt zur Speicherung von Druckluft; seine Auslegung erfolgte für übermäßig statischen Betrieb. Die korrekte Bedienung des Druckluftbehälters ist eine unabdingbare Voraussetzung, um die Sicherheit zu gewährleisten. Zu diesem Zweck sollte der Anwender wie folgt vorgehen:

- 1) den Druckluftbehälter innerhalb der **Nenn-Druck- und Temperaturgrößen** verwenden, die auf dem Schild und in der Konformitätserklärung angegeben sind, die mit der größten Sorgfalt zu bewahren ist;
- 2) keine Schweißungen auf drucktragenden Teilen durchführen;
- 3) sich vergewissern, dass der Behälter mit dem entsprechenden **Sicherheits- und Prüfzertifikat** ausgestattet ist, das in Notfall durch gleichwertige Ausfertigung nach Rücksprache mit dem Hersteller zu ersetzen ist. Insbesondere muss die Sicherheitswert am Behälter angebracht werden, eine höhere Abdruckkapazität als der Luftdruck haben und auf einen Druck von (A) bar geeicht und plombiert werden. Auf dem Druckmesser muss der Druckwert von (A) bar in Rot gekennzeichnet sein;
- 4) möglichst vermeiden, dass der Druckluftbehälter in **schlecht belüfteten Räumen** aufgestellt wird; sorgfältig vermeiden, dass der Behälter **Wärmequellen oder entflammaren Stoffen** ausgesetzt wird;
- 5) der Behälter ist mit Vibrationsdämpfern auszustatten, um zu vermeiden, dass er während des Betriebs Vibrationen ausgesetzt wird, die Dauerbrüche verursachen können, der Behälter oder an ihm montierte Teile dürfen nicht am Boden oder an feststehenden Teilen (Pfeiler, ...) befestigt werden;
- 6) **Korrosion vermeiden:** je nach Betriebsbedingungen kann sich im Behälter Kondensat ansammeln, das täglich abgelassen werden muss. Dies kann entweder manuell durch Öffnen des Ablassventils oder durch einen eingebauten automatischen Kondensatablasser erfolgen. Im Rahmen der Wartung muss der Behälter einer regelmäßigen, jährlichen Kontrolle auf interne **Korrosion** durch den Betreiber oder den zuständigen Kundendienst und einer externen Sichtprüfung unterzogen werden. Beim Betrieb des Behälters mit einem ölfreien Kompressor, bei hoher Luftfeuchtigkeit oder ungünstigen Betriebsbedingungen (wenig Frischluft, Säurenebeln o.ä.) sollte die Sichtprüfung in geringeren Zeitabständen erfolgen. **Die tatsächliche Wandstärke des korrodierten Behälters darf auf keinen Fall (B) mm am Mantel und (C) mm an den Böden unterschreiten.** Die gesetzlich vorgeschriebenen Prüfungen müssen gemäß der geltenden Gesetze des Landes organisiert werden, in dem der Behälter verwendet wird.
- 7) bei der Montage und Inbetriebnahme des Behälters prüfen, dass Betriebsanweisung gewährleistet ist.

MUTWILLIGE BESCHÄDIGUNGEN UND MISBRÄUCH DES BEHÄLTERS SIND VERBOTEN.

Der Anwender werden darauf hingewiesen, die im jeweiligen Land gültigen Gesetzesvorschriften über den Betrieb der Druckbehälter zu befolgen.

ISTRUZIONE D'USO

Il serbatoio a pressione è destinato all'accumulo di aria compressa ed è calcolato per utilizzo principalmente statico. Un suo corretto utilizzo è premessa indispensabile per garantire la sicurezza.

A tale scopo l'utilizzatore deve ma non solo:

- 1) utilizzare correttamente il serbatoio nei **limiti di pressione e di temperatura** di progetto che sono riportati sulla targua del Costruttore e sulla dichiarazione di conformità che deve essere conservata con cura;
- 2) evitare di effettuare saldature sulle parti esposte a pressione;
- 3) garantire che il serbatoio sia sempre completo di efficienti e **sufficienti accessori di sicurezza e di controllo** e provvedere in caso di necessità alla loro sostituzione con altri di equivalenti caratteristiche, sentito in merito il Costruttore. In particolare, la valvola di sicurezza deve essere applicata direttamente sul recipiente senza possibilità di interposizione, deve avere una capacità di scarico superiore alla quantità di aria che può essere immessa nel recipiente, essere tarata e plombata alla pressione di (A) bar. Sul manometro, l'indice di pressione di (A) bar deve essere indicato con un segno rosso;
- 4) evitare se possibile di utilizzare il serbatoio in locali non sufficientemente aerati; evitare scrupolosamente di collocare il serbatoio in zone esposte a **sorgenti di calore o nelle vicinanze di sostanze infiammabili**;
- 5) munire il serbatoio di ammortizzatori in modo da evitare che il serbatoio durante l'esercizio sia soggetto a vibrazioni che possono generare rotture per fatica; non bloccare al suolo o a parti fisse (colonne, ...) il serbatoio o parti ad esso montate;
- 6) **Prevenire la corrosione:** a seconda delle condizioni d'impiego, si può accumulare all'interno del serbatoio della condensa che deve essere scaricata quotidianamente. Ciò può essere fatto manualmente aprendo il rubinetto di scarico, attraverso lo scaricatore di condensa automatico se montato sul serbatoio nell'ambito della manutenzione, annualmente l'utilizzatore o un esperto del servizio assistenza deve verificare l'assenza di eventuali **corrosioni interne** nel serbatoio ed effettuare un controllo visuale esterno. Se il recipiente è utilizzato con compressore a olio o in ambienti che presentano un alto tasso di umidità o condizioni di inumidità elevata (umidità ventilazione, agenti corrosivi, ...) i controlli devono essere eseguiti ad intervalli più ravvicinati. **Lo spessore effettivo del recipiente dopo corrosione non dovrà essere inferiore a mm (B) per il mantello e mm (C) per i fondi;** i controlli legalmente richiesti devono essere organizzati secondo le leggi e le norme del Paese dove il serbatoio è utilizzato.
- 7) Agire in ogni caso con senso e ponderazione in analogia ai casi previsti.

E' TASSATIVAMENTE VIETATA LA MANIPOLAZIONE DEL SERBATOIO E OGNI UTILIZZAZIONE IMPROPRIA.

Il trattamento d'utilizzatore che è comunque tenuto a rispettare le leggi sull'uso degli apparecchi a pressione in vigore nel Paese di utilizzo.

Il serbatoio con P > 1 maggiore uguale a 0,030 bar (o a pressione maggiore di 12 bar sono soggetti alle verifiche di primo impatto e alle visite periodiche di parte dell'ente preposto così come definito nel D.Lgs. del 01.12.2004

INSTRUCCIONES PARA EL USO

El depósito de aire comprimido sirve para acumular el aire comprimido y no debe someterse a rápidas variaciones de presión. La condición indispensable para garantizar la seguridad es la utilización correcta del depósito a presión de almacenamiento. Para ello el usuario deberá observar las siguientes reglas:

- 1) utilizar de forma correcta el depósito teniendo en cuenta los **límites de presión y temperatura** para los que ha sido diseñado, valores que aparecen indicados en la placa del Constructor y en el documento de conformidad que debe conservarse cuidadosamente guardado;
- 2) no efectuar soldaduras en las piezas a presión;
- 3) asegurarse de que el depósito siempre vaya provisto de eficientes y **suficientes accesorios de seguridad y control** y en caso necesario sustituirlos con otros de características equivalentes, tras conformidad del Constructor. En concreto, la válvula de seguridad debe tener una capacidad de descarga superior a la cantidad de aire que puede ser introducida y estar tarada y sellada a la presión de (A) bar. En el manómetro el índice de presión de (A) bar debe estar indicado por una señal de color rojo;
- 4) si es posible, no colocar el depósito en locales no **suficientemente ventilados** - no colocar nunca el depósito en **zonas expuestas a fuentes de calor o cerca de sustancias inflamables**;
- 5) instalar amortiguadores en el depósito para evitar que durante su uso esté sujeto a vibraciones que puedan provocar roturas por fatiga; no fijar el depósito ni piezas que tenga montadas al suelo ni a elementos fijos (columnas, etc.);
- 6) **Prevenir la corrosión:** dependiendo de las condiciones de uso, en el interior del depósito puede acumularse condensación que debe descargarse diariamente. Esta operación debe realizarse manualmente abriendo el grifo de descarga o a través del descargador de condensación automático si el depósito cuenta con él. Durante el mantenimiento, el usuario o un técnico del servicio debe comprobar anualmente si hay formación de **corrosiones en el interior** del depósito e inspeccionar el exterior. Si el recipiente se utiliza con compresores en seco o en lugares con un alto índice de humedad, o en condiciones de uso desfavorables (poca ventilación, agentes corrosivos, ...) los controles deberán realizarse con mayor frecuencia. **De todas formas el espesor efectivo del recipiente tras la corrosión no deberá ser inferior a los (B) mm en la caparazón y los (C) mm en el fondo.** Los controles exigidos legalmente deberán llevarse a cabo de acuerdo con las leyes y normas vigentes en el país donde se utilice el depósito.
- 7) actuar siempre con racionalidad y ponderación teniendo en cuenta los casos previstos.

ESTA TAXATIVAMENTE PROHIBIDA LA MANIPOLACION DEL DEPÓSITO Y TODA UTILIZACION INADECUADA.

Se recuerda que el usuario debe respetar las leyes de utilización de los recipientes a presión vigentes en el país en el que se utilizan.

(A) = 16 (B) = 4,45 (C) = 4,05

famiglia EC N.F. dat 0491 al 9526

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EXHIBIT ONLY - NOT USABLE

ACCESSORIES

CODE	Unit	Description	Material	Directive	Calibration	Drain flow rate
KIT00024	1	Safety valve with G 1/2" connection	BRASS	2014/68/UE (PED)	11 Bar	7237
	1	Ø 63 mm G 1/4" pressure gauge				
KIT00100	1	Safety valve with G 3/4" connection	BRASS	2014/68/UE (PED)	11 Bar	17767
	1	Ø 63 mm G 1/4" pressure gauge G 1/2" ball tap				
KIT00093	1	Safety valve with G 1" connection	BRASS	2014/68/UE (PED)	11 Bar	38221
	1	Ø 63 mm G 1/4" pressure gauge G 1" ball tap				
KIT00026	1	Safety valve with G 3/4" connection	BRASS	2014/68/UE (PED)	12 Bar	19184
	1	Ø 63 mm G 1/4" pressure gauge G 1/2" ball tap				
KIT00028	1	Safety valve with G 1" connection	BRASS	2014/68/UE (PED)	12 Bar	41407
	1	Ø 63 mm G 1/4" pressure gauge G 1" ball tap				
KIT00114	1	Safety valve with G 1/2" connection	BRASS	2014/68/UE (PED)	15 Bar	9650
	1	Ø 63 mm G 1/4" pressure gauge				
KIT00031	1	Safety valve with G 1/2" connection	BRASS	2014/68/UE (PED)	16 Bar	10253
	1	Ø 63 mm G 1/4" pressure gauge				
KIT00088	1	Safety valve with G 3/4" connection	BRASS	2014/68/UE (PED)	16 Bar	24851
	1	Ø 63 mm G 1/4" pressure gauge				
KIT00023	1	Safety valve with G 1" connection	BRASS	2014/68/UE (PED)	16 Bar	54147
	1	Ø 63 mm G 1/4" pressure gauge				
KIT00040	1	Safety valve with G 1/2" connection	BRASS	2014/68/UE (PED)	21 Bar	16517
	1	Ø 63 mm G 1/4" pressure gauge				
KIT00105	1	Safety valve with G 1/2" connection	BRASS	2014/68/UE (PED)	32 Bar	24811
	1	Ø 63 mm G 1/4" pressure gauge				
KIT00106	1	Safety valve with G 1" connection	BRASS	2014/68/UE (PED)	32 Bar	103110
	1	Ø 63 mm G 1/4" pressure gauge				
KIT00107	1	Safety valve with G 1/2" connection	BRASS	2014/68/UE (PED)	42 Bar	32350
	1	Ø 63 mm G 1/4" pressure gauge				
KIT00087	1	Safety valve with G 1" connection	BRASS	2014/68/UE (PED)	42 Bar	134442
	1	Ø 63 mm G 1/4" pressure gauge				
KIT00030	1	Safety valve with G 1/2" connection	BRASS	2014/68/UE (PED)	8 Bar	5419
	1	Ø 63 mm G 1/4" pressure gauge				
KIT00102	1	Safety valve with G 1" connection	BRASS	2014/68/UE (PED)	8 Bar	28666
	1	Ø 63 mm G 1/4" pressure gauge				
KIT00044	1	Safety valve with G 1/2" connection	STAINLESS STEEL 316L	2014/68/UE (PED)	11 Bar	8983
	1	Ø 63 mm G 1/4" pressure gauge				
KIT00103	1	Safety valve with G 1" connection	STAINLESS STEEL 316L	2014/68/UE (PED)	11 Bar	37317
	1	Ø 63 mm G 1/4" pressure gauge				
ART00122	1	Pressure gauge flange with G 3/8" connection	BRASS	-	-	-



PRESSURE GAUGE
Ø 63 mm G 1/4"



PRESSURE GAUGE
FLANGE
G 3/8"



BALL TAP
1/2" - G 1"



SAFETY VALVE
WITH G 1/2"
CONNECTION



SAFETY VALVE
WITH G 1"
CONNECTION



SAFETY VALVE
WITH G 3/4"
CONNECTION



SAFETY VALVE
WITH G 1/2"
CONNECTION



SAFETY VALVE
WITH G 1"
CONNECTION

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.



15000 lt 16 Bar



10000 lt 12 Bar



Filter for painting system



10000 lt 42 Bar



3000 lt 42 Bar



Cartridge filters



Oxygen filters



8000 lt 12 Bar

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