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Vessels



Company



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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

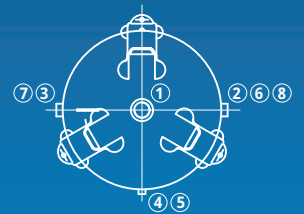
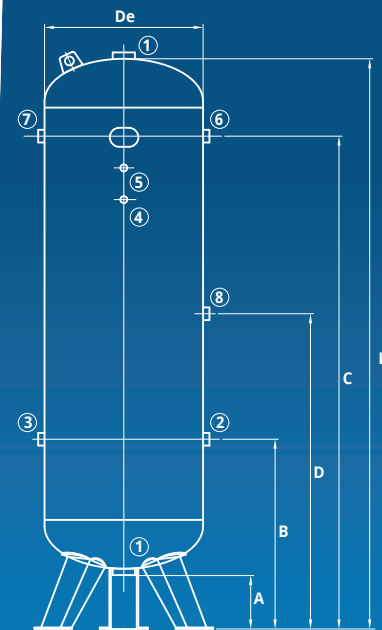


RAL 7043
SMOOTH FINISH



RAL 9002
TEXTURED FINISH

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