

COMPANY PROFILE

DBA ITALIA SRL



Pressure quipment solutions

Lavoriamo insieme per far diventare
la vostra visione realtà.



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THE COMPANY

DBA Italia was founded in **Zero Branco** in **1993** by the **Furlan family**, with the goal of producing **medium and light steel structures** for the **industrial, construction, and naval sectors**.

Thanks to positive initial feedback from the market, the company gradually shifted its focus to the **manufacturing of pressure equipment**, achieving over time several key quality certifications, including:

- **AD2000 HPO** for the manufacturing of vessels for the German market
- **EN ISO 3834-3** for welding processes
- **ISO 9001:2015** for the quality management system
- **Modules D and D1** in compliance with **PED 2014/68/EU** for pressure equipment production

EXPERTISE AND SERVICES

DBA Italia has a qualified in-house team capable of performing:

- **Surface non-destructive testing** (certified to ISO 9712 + PED Att. I 3.1.3, and SNT-TC1A)
- **Inspection activities** (certified CSWIP 3.1)
- **Welding engineering** (certified IWE)

Volumetric non-destructive tests and **heat treatments** are carried out by **qualified external partners**.



PRODUCTS AND INDUSTRIES SERVED

Today, DBA Italia mainly specializes in the production of **pressure vessels** for **industrial refrigeration**, both for traditional applications for fluid groups 1 (Ammonia), 2 and for systems using CO₂ (R744).

The company also has proven expertise in the design and manufacturing of:

- **Hydrocarbon filtration equipment**
- **Hydrogen separation systems**
- **Overflow reactors**
- **Filter housings**
- **Turbine components**

Welding processes are qualified for low-temperature applications, down to -50°C for carbon steels and -196°C for stainless steels.

CUSTOM-MADE SOLUTIONS

Each project is **custom-built** to meet the client's specific requirements, ensuring **high quality, reliability, and compliance with international standards**.

OUR PHILOSOPHY

At DBA Italia, we believe in **continuous improvement, careful attention to customer needs, and the satisfaction of delivering the best possible product**, every time.

PRODUCTION



Liquid separators (LS)



The application for a liquid separator is to **separate entrained liquid refrigerant from suction vapor to prevent compressor damage**. It uses gravity and directional flow changes to allow liquid to settle, ensuring only vapor enters the compressor inlet.

Our Separators are manufactured according to customer specification and available both with or without demister configuration.

Dimensional data contained in the table below are to be intended indicative taking into account the manufacturing tolerances.

Each liquid Separator is Certified according to **2014/68/EU Pressure Equipment Directive**. The assembling, installation and/or accessories permanent joining must be in compliance with the applicable Laws and/or Regulations. The essential safety requirements, being the liquid receiver a pressure vessel, are in compliance with PED Directive for materials, design, manufacturing, proof test and final documentation.

Liquid Separators according to ASME code are also available; please contact our Sale Dept. for request. Temperature and pressure working limits are shown in the table below.

LIQUID SEPARATORS			
Diameter	Length	PS	TS
219 ÷ 2500	500 ÷ 8000	-1 / 25	-50 / 100

Liquid Receivers (LR)



The main applications of our liquid receivers are the **storage of full charge of refrigerant in case of intervention on the plant and the absorption of the load variations system.**

Dimensional data contained in the table below are to be intended indicative taking into account the manufacturing tolerances.

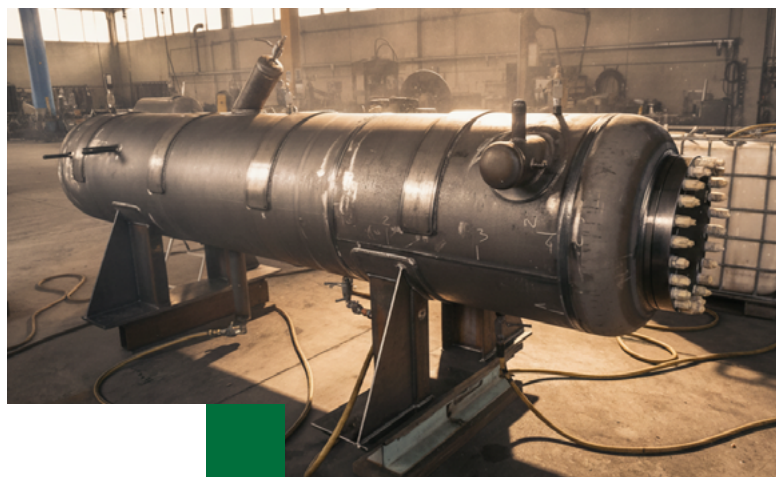
Each liquid receiver is **Certified according to 2014/68/EU Pressure Equipment Directive**. The assembling, installation and/or accessories permanent joining must be in compliance with the applicable Laws and/or Regulations. The essential safety requirements, being the liquid receiver a pressure vessel, are in compliance with PED Directive for materials, design, manufacturing, proof test and final documentation.

Liquid Receivers according to ASME code are also available; please contact our Sale Dept. for request. Temperature and pressure working limits are shown in the table below.



LIQUID RECEIVERS			
Diameter	Length	PS	TS
219 ÷ 2500	500 ÷ 8000	-1 / 25	-50 / 100

Oil Separators (OSH & OSV)



The oil separators, installed on the compressor discharge line, guarantee an **efficient separation between refrigerant and lubricating oil**. All refrigerants are suitable, provided they are compatible with materials used for construction.

For ammonia (NH₃) applications two-stage vertical oil separators with coalescent filters are available for manufacturing.

Dimensional data contained in the table below are to be intended indicative taking into account the manufacturing tolerances. **Each liquid Separator is Certified according to 2014/68/EU Pressure Equipment Directive.**

The assembling, installation and/or accessories permanent joining must be in compliance with the applicable Laws and/or Regulations.

The essential safety requirements, being the liquid receiver a pressure vessel, are in compliance with PED Directive for materials, design, manufacturing, proof test and final documentation.

Oil Separators according to ASME code are also available; please contact our Sale Dept. for request. Temperature and pressure working limits are shown in the tables below.

HORIZONTAL OIL SEPARATORS			
Diameter	Length	PS	TS
219 ÷ 2500	500 ÷ 8000	-1 / 25	-50 / 100

VERTICAL OIL SEPARATORS (SINGLE STAGE)			
Diameter	Length	PS	TS
219 ÷ 700	300 ÷ 1500	-1 / 25	-50 / 100

VERTICAL OIL SEPARATORS (DOUBLE STAGE)			
Diameter	Length	PS	TS
219 ÷ 800	300 ÷ 1500	-1 / 25	-46 / 100

CO2 Receivers & Separators



CO2 Receivers **collect the liquid R744 coming out from the gas cooler**. Their internal volume allows them to store this refrigerant during fluctuating load conditions.

On the same product line, the company offers also application for liquid separation for CO2 applications that foresee a demister and proper flow control.

Dimensional data contained in the table below are to be intended indicative taking into account the manufacturing tolerances.

Each liquid Separator is **Certified according to 2014/68/EU Pressure Equipment Directive**.

The assembling, installation and/or accessories permanent joining must be in compliance with the applicable Laws and/or Regulations.

The essential safety requirements, being the liquid receiver a pressure vessel, are in compliance with PED Directive for materials, design, manufacturing, proof test and final documentation.

CO2 Receivers and Separators according to ASME code are also available; please contact our Sale Dept. for request. Temperature and pressure working limits are shown in the tables below.

CO ₂ RECEIVERS			
Diameter	Length	PS	TS
219 ÷ 2500	500 ÷ 8000	-1 / 45	-50 / 100

CO ₂ SEPARATORS			
Diameter	Length	PS	TS
219 ÷ 2500	500 ÷ 8000	-1 / 120	-50 / 100

Fuel Filters



DBA Italia's custom-engineered Fuel Filters provide essential protection for sensitive machinery. **Designed to remove impurities and contaminants from fuel**, our robust filters ensure optimal system performance and extend equipment lifespan, even in the most demanding industrial applications.

Special Projects



We specialize in the complete **custom design and manufacturing of non-standard vessels** and complex equipment, built precisely to meet the client's specific requirements. From concept to final certification, our team is dedicated to engineering innovative solutions that meet the most stringent operational demands, demonstrating our commitment to complete customer satisfaction and technical excellence.



PRODUCTION CAPACITY

Relevant Data

Operative area:	2500 mq
Maximum Weight Handling	up to 10 tons
Maximum Shipping Dimensions	30 m x 3 m
Maxi Diameter	3000 mm
Maximum Thickness	100 mm
Certified welding Processes	121 (SAW), 135 (GMAW), 141 (GTAW), 111 (SMAW)
Groups and minimum working temperatures certified	Carbon Steel (Group 1) (-50° C), Stainless Steel (Group 8) (-196° C)
Standards applied to Welding Process Qualifications	EN, ASME, RINA, DNV, AD2000
Employed NDE methods	PT, MT, UT, RT, VT
Certifications	ISO 9001:2015; PED 2014/68/EU Module D1, D

CERTIFICATIONS



- **AD2000 HPO** for the manufacturing of pressure vessels for the German market
- **EN ISO 3834-3** for welding processes
- **ISO 9001:2015** for the quality management system
- **Modules D and D1** according to PED Directive 2014/68/EU for the manufacturing of pressure equipment

CERTIFICATE
The Certification Body for
Pressure Equipment of TÜV Thüringen e.V.

certifies,
that

DBA ITALIA S.r.l.
Via G. Verdi, 26
I-31059 S. ALBERTO DI ZERO BRANCO (TV)

has established and applies a quality system
according to Directive 2014/68/EU
Modules D & D1

type of pressure equipment : **Manufacturing of oil, liquid, CO₂ separators, receivers for HVAC purposes made from carbon and austenitic steel for fluid group 1 & 2**

site : **I-31059 S. ALBERTO DI ZERO BRANCO (TV)**

reference : **Module B certificates listed in annex**

assessment report no. : **IT11/62622/24**

certificate no. : **0090 151 1283**

certificate expires : **February 07, 2025**
initial certification in February 2023

Erfurt, March 27, 2024

TÜV THÜRINGEN
U. Sprengel
Certification Body for Pressure Equipment
TÜV Thüringen e.V.
Notified Body 0090

TÜV Thüringen e.V. • Konrad-Zuse-Straße 21 • D-99099 Erfurt
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CERTIFICATO
Nr. 50 100 14079 Rev.002

SI ATTESTA CHE / THIS IS TO CERTIFY THAT

IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
THE QUALITY MANAGEMENT SYSTEM OF

DBA ITALIA S.r.l.
SEDE LEGALE E OPERATIVA:
REGISTERED OFFICE AND OPERATIONAL SITE:
**VIA GIUSEPPE VERDI 26
IT - 31059 ZERO BRANCO (TV)**
È CONFORME AI REQUISITI DELLA NORMA
HAS BEEN FOUND TO COMPLY WITH THE REQUIREMENTS OF
UNI EN ISO 9001:2015

QUESTO CERTIFICATO È VALIDO PER IL SEGUENTE CAMPO DI APPLICAZIONE
THIS CERTIFICATE IS VALID FOR THE FOLLOWING SCOPE OF APPLICATION

Fabbricazione di attrezzature a pressione, recipienti e assemblati dotati di carpenteria in acciaio. (IAF 18, 17)
Manufacture of pressure equipment, vessels and assemblies equipped with steelwork. (IAF 18, 17)

Per l'Organismo di Certificazione
For the Certification Body
TÜV Italia S.r.l.

Validità / Validity
Dal / From: **2023-06-20**
Al / To: **2026-06-19**

ACCREDITA
SGQ N° 048A
Membro degli Accordi di Mutual Recognition
EA, UK e LAC
Signatary of EA, UK and LAC Mutual Recognition Agreements

Francesco Scariata
Divisione Divisione Business Assurance
Business Assurance Division Manager
Data emissione / Issuing Date
2023-06-15

PRIMA CERTIFICAZIONE / FIRST CERTIFICATION: 2017-06-20

"LA VALIDITÀ DEL PRESENTE CERTIFICATO È SUBORDINATA A SORVEGLIANZA PERIODICA A 12 MESI E AL RISERVA COMPLETO DEL SISTEMA DI GESTIONE AZIENDALE CON PERIODICITÀ TRIENNALE."
"THE VALIDITY OF THE PRESENT CERTIFICATE DEPENDS ON THE ANNUAL SURVEILLANCE EVERY 12 MONTHS AND ON THE COMPLETE REVIEW OF COMPANY'S MANAGEMENT SYSTEM AFTER THREE-YEARS"

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