

# erreesse

## V A L V E S



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# GENERAL INFORMATION

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- COMPANY HISTORY
- ERREESSE PREMISES
- COMPANY CERTIFICATION
- MAJOR PRODUCT QUALIFICATION
- MAJOR CUSTOMER QUALIFICATION



# COMPANY HISTORY

- 2004, ERREESSE was established in Prato Sesia with the experience in valves design and manufacturing of the shareholders. Prato Sesia is a nice town in the green Valsesia along the enchanting Sesia River, 35 minutes far from Milano Malpensa;
- 2012, in order to expand our manufacturing capacity, ERREESSE moved its headquarter to Grignasco.
- From 2015 to 2018, in order to increase our capability, ERREESSE bought 100 ton crane, some test bench, a cutting machine, a fire safe test machine
- 2016, ERREESSE built a new building for the workshop area in the headquarter
- In 2019, ERREESSE increases its capacity by adding a 60.000 m<sup>2</sup>, building to the Prato Sesia facility for heavy duty machining and valve assembly
- In 2020, ERREESSE established a welding machinery



# ERREESSE PREMISES

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ERREESSE Premises	
Total Area:	10.483 m2 actual + additional 62.841 m2
Covered Area:	3.460 m2
Not covered Area:	6.923 m2
Workshop Area:	2.900 m2
Warehouse Area:	1.600 m2 + 800 m2 of automated warehouse



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# COMPANY CERTIFICATION

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VALVES

DAS CERTIFICATION



Certificato di Conformità/Certificate of Approval

Si certifica che il SGA dell'Organizzazione/This is to certify that the EMS of

**ERRESSE S.r.l.**

Via delle Betulle, BA/BB/BC - 28075 Grignasco (NO) P.IVA: 02168380026

è conforme ai requisiti dello standard/meets the requirements of

**ISO 14001:2015**

Il presente certificato è valido per il seguente campo di applicazione:

This certificate is valid for the following scope of application:

**Progettazione e fabbricazione di valvole industriali.**  
Design and manufacture of industrial valves.

EA: 17, 18

Data di emissione/First issue: 25.11.2015  
Data di revisione/Current date: 22.09.2018  
Data di scadenza/Expiry date: 24.11.2021  
Certificato nr./Certificate no.: DAS 12339604/16/V

Approvato da/Approved by:

SN Registrars (Holdings) Limited  
Registered Office: 200 Church Street,  
Rugby, Northamptonshire,  
NN4 7ET, UK  
Tel: +44 (0) 1933 832830  
info@snregistrars.co.uk  
www.snregistrars.co.uk  
Company number: 07069846



DAS CERTIFICATION



Certificato di Conformità/Certificate of Approval

Si certifica che il Sistema di Gestione per la salute e la sicurezza sul lavoro dell'Organizzazione/This is to certify that the OHSMS of

**ERRESSE S.r.l.**

Via delle Betulle, BA/BB/BC - 28075 Grignasco (NO) P.IVA: 02168380026

è conforme ai requisiti dello standard/meets the requirements of

**ISO 45001:2018**

Il presente certificato è valido per il seguente campo di applicazione:  
This certificate is valid for the following scope of operations:

**Progettazione e fabbricazione di valvole industriali.**  
Design and manufacture of industrial valves.

Settori IAF: 17, 18  
Data di emissione/First issue: 25.11.2015  
Data di revisione/Current date: 25.11.2020  
Data di scadenza/Expiry date: 24.11.2023  
Certificato nr./Certificate no.: DAS 67625850/16/V

Approvato da/Approved by:

SN Registrars (Holdings) Limited  
Registered Office: 200 Church Street,  
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www.snregistrars.co.uk  
Company number: 07069846



## Certificate

Standard **ISO 9001:2015**

Certificate Registr. No. 01 100 057322

Certificate Holder: **ERRESSE S.r.l.**  
Via Delle Betulle BA/BC  
28075 Grignasco (NO)  
Italy

**erreesse s.r.l.**  
trunnion & floating ball valves

Scope: Design and manufacturing of industrial valves.

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity: The certificate is valid from 2017-06-29 until 2020-06-28.  
First certification 2005

2017-06-30

*[Signature]*  
TUV Rheinland Cert. Officer  
Ann. Giesen Stein 01106 KOB

www.tuv.com



Dakks  
Deutscher  
Akkreditierungsausschuss  
D-50669 Köln

**TÜV Rheinland**  
Precisely Right.

ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

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TR CU 010

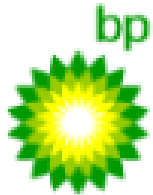
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AtEx 94/9/EC

PED 97/23/EC

## MAJOR CUSTOMER QUALIFICATION



- ARCTIC LNG
- BP-BRITISH PETROLEUM
- CHEVRON
- ENEL
- ENI
- EQUINOR
- PETROBRAS
- SAIPEM
- SONATRACH
- TECNIMONT



# MAJOR CUSTOMER QUALIFICATION

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- ADNOC
- KNPC
- KOC
- QATAR CHEMICAL
- QATAR PETROLEUM
- PETROFAC
- AGIBA PETROLEUM
- EGAS
- EGPC
- PETROBEL
- GASCO
- GUPCO
- ABUQIR PETROLEUM COMPANY
- ENPPI
- KHALDA
- PETROJET
- PETROLEUM MARINE SERVICE





# IN-HOUSE PROCEDURE

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- IN-HOUSE ASSEMBLY
- IN-HOUSE TESTING
- ERREESSE CAPACITY & CAPABILITY



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## IN-HOUSE PROCEDURE

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- ENGINEERING AND DESIGN
  - PROCUREMENT
    - TESTING
    - PACKING

ERREESSE subcontract all machining activities and painting.



## IN-HOUSE ASSEMBLY





# IN-HOUSE ASSEMBLY

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VALVES



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The following **Non Destructive Examinations** are performed by qualified personnel, certified in accordance with EN 473-ISO 9712 or SNT-TC-1A LEVEL 2:

- > **MT** (Magnetic particle examination)
- > **UT** (Ultrasonic examination)
- > **PT** (Dye penetrant examination)
- > **PMI** (Positive material identification)
- > **Hardness test**
- > **Ferrite test** (by FISHER Feritscope FMP30)



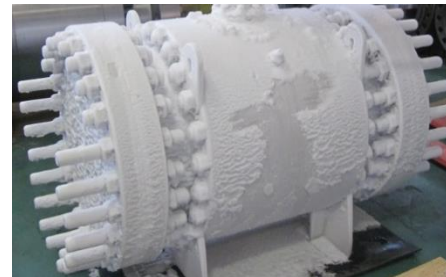
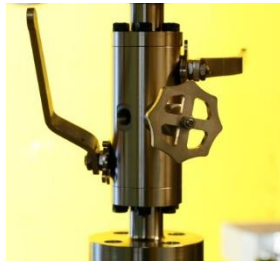


## IN-HOUSE TESTING

ERREESSE has its own in-house testing department, the following **Valve Leak Testing** can be internally performed by qualified and experienced personnel:

- **Hydrostatic** shell & seat test & **Low Pressure** gas test (with air or Nitrogen) according to Annex B of API 6D, API 598, EN 12266-1, API 6A or to customer specific requirements;
- **High Pressure** gas test (with Nitrogen) according to Annex B of API 6D, API 598, EN 12266-1, BS 6364 or to customer specific requirements, from **ambient** to **cryogenic** temperature down to -196°C
- **High temperature** testing up to 650°C
- **Fugitive emission** gas test (with Helium) according test to ISO 15848 /2
- **Cavity relief, Antistatic and Vacuum** testing
- **Fire Safe Testing** Erreesse proudly owns an in-house Fire Test Assembly in according to API standard 607, API standard 6FA, BS 6755-2, EN ISO 10497.

Specific Customer requirements in terms of special testing, pressures, durations, acceptance criteria can be evaluated and incorporated into our products.



## IN-HOUSE TESTING

ERREESSE owns the largest test bench in Europe to perform in safety conditions hydrostatic, pneumatic and high pressure gas testing on valves up to 72".

This test bench has an official capacity of 4000 tons with a very maximum capacity of 6000 served by a 100 tons overhead crane.

A CCTV operating system allows to inspectors and operators to monitor valve performance during testing outside the testing area, in complete safety, with a mobile 360° camera that can be maneuvered to have complete visual access to all testing activities.



# IN-HOUSE TESTING

Description	Range	Required Range
TEST BENCH 400 TON. (DN 8" #2500 ÷ DN 24" 600)	≤ 24" #600	0-700 bar
TEST BENCH 240 TON. (DN 1" #2500 ÷ DN 10" 600)	≤ 10" #600	0-650 bar
TEST BENCH MTS5-150A	≤ 4" #1500	0-700 Bar
TEST BENCH TP-C-W16 (API 6A)	0-1600 Bar	0-1600 bar
TEST BENCH 1800 TON. (DN 12" ÷ 48" 600)	≤ 48" #600	0-700 Bar
TEST BENCH 4000 TON. (DN 12" 150 ÷ 72" 300)	≤ 72" #300	0-700 Bar
STATIC BENCH TEST ( ≤ 4")	0-700 Bar	0-700 Bar
STATIC BENCH TEST ( ≤ 4")	0-700 Bar	0-700 Bar
TEST BENCH 360 TON. (120x3) (DN 1/2" ÷ 12" 600)	≤ 12" #600	0-1600 Bar
TEST BENCH 1500 TON. X GATE – BUTTERFLY VALVE	≤ 48" #300	0-650 Bar
TEST BENCH 240 TON. (DN 1" #2500 ÷ DN 10" 600)	≤ 24" #600	0-700 bar
TEST BENCH 400 TON. (DN 8" #2500 ÷ DN 24" 600)	≤ 24" #600	0-700 bar
We can test our valves up to 72"		

TESTING CAPACITY	
N° of Bench test available	12
Testing Capacity per Year	24000 valves
Testing Capacity per Month	2000 valves

With our test benches and work hours we are able to produce 24.000 valves/ years



# TECHNICAL INFORMATION

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- ENGINEERING – VALVE APPLICATIONS
- ENGINEERING – VALVE RANGE
- ENGINEERING – VALVE TYPE



## VALVE APPLICATION

- ☐ Hydrocarbons (Oil, Gas and derivatives)
- ☐ Geothermal (Flashed steam, hot water and geothermal brine)
- ☐ Corrosive & Dirty (Severe and abrasive services)
- ☐ High Temperature ( $\leq 700^{\circ}\text{C}$ )
- ☐ Low Temperature ( $-45^{\circ}\text{C} < t < 0^{\circ}\text{C}$ )
- ☐ Cryogenic, LNG ( $\geq -196^{\circ}\text{C}$ )
- ☐ High Pressure ( $\leq 2500$  bar)
- ☐ Subsea (3000m – 10000ft water depth)





## FLOATING AND TRUNNION BALL VALVES

- ❑ Top Entry & Side Entry
  - ❑ Bolted Body & Fully Welded Body
  - ❑ Double Block & Bleed
  - ❑ Multiple Way
  - ❑ Pig Ball Valves
  - ❑ Control Valves
  - ❑ Rising Stem Ball Valve
  - ❑ Dual Expanding Plug Valve
- ❑ 1/2" – 36" ANSI 150 – 4500
  - ❑ 1/2" - 48" ANSI 150 – 1500
  - ❑ 1/2" – 56" ANSI 150 – 900
  - ❑ 1/2" – 72" ANSI 150 – 300
  - ❑ 2" – 24" ANSI 150 – 1500



# FLOATING & TRUNNION BALL VALVES HIGH PRESSURE

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VALVES



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# FLOATING & TRUNNION BALL VALVES CRYOGENIC SERVICE

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Valves suitable for Gas (LNG, LPG, Condensate and other marketable fractions) processing, dehydration, refrigeration, liquefaction, storage, transportation and distribution, also suitable for chemical and petrochemical refining.



*Low Temp. & Cryogenic Test*

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# FLOATING & TRUNNION BALL VALVES HIGH TEMPERATURE

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Metal seated with metal sealing and stem extension for steam service and high temperature applications. The special design is suitable for service from 250°C up to 700°C and over



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Valves engineered to meet the most critical and severe conditions in the subsea environment and underwater installations at extreme pressures and high levels concentrations of H<sub>2</sub>S, CO<sub>2</sub> or solid particles.



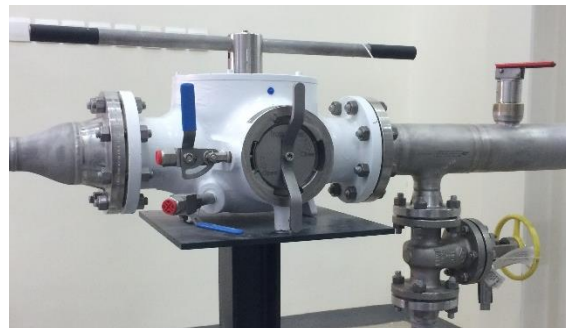


# PIG LAUNCHER / RECEIVER BALL VALVE



Size range: 2" up to 24"  
Pressure class: 150# up to 1500#  
Temperatures: -196°C up to 850°C

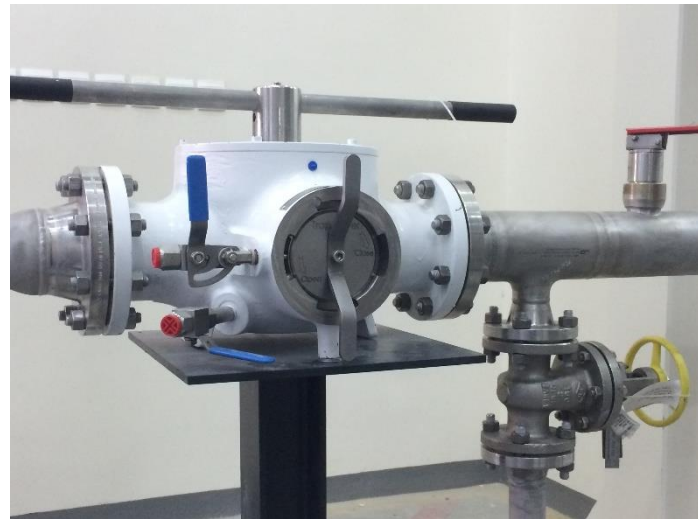
- In-line maintenance due to top-entry design
- Allows internal inspection of pipeline
- Minimal downtime for inspection / cleaning
- Used for extracting leftover product



# RISING STEM BALL VALVE DUAL EXPANDING PLUG VALVE

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- Rising Stem Ball Valve 1" – 36" ANSI 150 – 2500
- Dual Expanding Plug Valve 2" – 42" ANSI 150 – 1500



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- **COMPANY STRENGTH**



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## POINT OF STRENGTHS

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- High Level of Quality
- Short Lead Time with our Sub-Supplier
  - Short, Fast & On Time Deliveries
  - Special Valves and Application
- Support our Customers with the best solution
  - In-House Testing Services
  - Team Work with a Qualified Staff
    - Know-How and Skill

