

### R&D Therm India Pvt Ltd.

## AIR RECEIVER DIVISION

#### AIR RECEIVER PRODUCT EXPERTISE

- Manufacturing since 1995
- Air Receiver manufactured in MOC SS 304, 316,
   SA 516 Gr B & MS
- Design code IS 2825 & ASME Sec VIII Div 1
- Accessories provided Safety valve, Drain valve / Autodrain valve & pressure gauge
- Surface Treatment of Air Receiver Surface coating,
   Shot blasting, Painting & Galvanizing
- Qualified welding Procedures and Process under TUV,
   BV, Llyod's, HSB

#### AIR RECEIVER PROCESS EXPERTISE

- Adherence to ASME Sec VIII Div 1 manufacturing process
   (ASME U Stamp Certified)
- Root welding by TIG followed by MIG Welding
- Fanuc Welding Robot
- Automated welding robot for Air Receivers (0.5m³ to 5m³)
- Continuous Production Expertise Robotic SPM 10 Air Receivers per day
- Approved QAP Quality Assurance Plan for in process quality control.
- Vendor assessment and Purchase Management team (ERP System)

# **SYSTEMS & CERTIFICATION 2) ISO**

CERTIFICAT

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#### 1) U STAMP



#### CERTIFICATE OF **AUTHORIZATION**

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application, Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

R & D Therm (I) Pvt Ltd C14/2, NICE Area, Satpur MIDC Nashik, Maharashtra 422007

Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover impregnated graphite)

AUTHORIZED:

November 12, 2022

EXPIRES:

November 12, 2025

CERTIFICATE NUMBER: 58299

Rital B. Cyun

Managing Director, Standards & Engineering Services





The Certification Body of TÜV SÜD South Asia Private Limited certifies that



B & D Therm (I) Pvt. Ltd.

R&D THERM (I) (P) LTD. C-14/2, MIDC, Satpur, Nashik-422007, Maharashtra, India

> has implemented Quality Management System in accordance with ISO 9001:2015 for the scope of

Manufacture & Supply of Heat Exchangers, Pressure Vessels and General Fabrication of Equipments.

The certificate is valid in conjunction with the main certificate from 2024-03-08 until 2027-03-07 Subject to successful completion of annual periodic audits of this certificate can be obtained through TUV SUD website by scanning below QR code and by cate number (without spaces) on web page. Further clarifications regarding the status & scope o entificate may be obtained by consulting the certification bodyet info. ingiturous con-

Certificate Registration No. 99 100 23812/02 Date of Initial certification: 2024-03-08 Issue Date: 2024-03-08Rev. 00















TÜV SÜD South Asia Pvt. Ltd. ● TÜV SÜD House ● Saki Naka ● Andheri (East) ● Mumbai – 400072 ● Maharashtra ● India



The American Society of Mechanical Engineers

#### PEOPLE / TEAM EXPERTISE

- Qualified welder team under TUV, Lloyd's, BV, HSB &
   IBR
- Design Team of 8 members with licensed software's of Siemens, AutoCAD, Proge CAD
- 4 members NDT Level II qualified. Internal QC team
- Dedicated member for customer coordination & Planning
- Total manufacturing staff of 48 shop team and 20 engineers

#### PEOPLE / TEAM EXPERTISE

- Executive Planning for systematic communication with customer and de-bottlenecking process.
- Association with standard OEMs for Air Receiver's accessories like safety valve, pressure gauge, ADV, etc.
- Manufactured around 120 tons of Air Receivers from Year 2022-23 with sizes ranging from 0.3m³ to 60m³.
- Standardization for drawing, production & quality testing procedures.

# AIR RECEIVER INFRASTRUCTURE EXPERTISE

• Total area:

Nashik - 40,000 Sq. ft.; Total Shed Area – 28000 Sq. ft.

Sinnar - 25,000 Sq. ft.; Total Shed Area - 15000 Sq. ft.

Sinnar (2) - 25,000 Sq. ft.; Total Shed Area - 15000 Sq. ft.

(A Konark Global Co.)
 Total Length of Shop :

75 mtrs; Width of Shop: 21 mtrs

• Total Monthly tonnage:

100 Metric Ton. (dispatch)

# ROBOTIC C SEAM & L SEAM WELDING MACHINE



#### FANUC WELDING ROBOT



#### AIR RECEIVER HANDLED

Air Receiver & Surge Tank –

- 1. Material Handled SS, CS & MS
- 2. Pressure Range 6 to 75 kgf/sq.cm
- 3. Volume  $0.25 \text{ m}^3$  to  $60 \text{ m}^3$
- 4. Quality Assurance Plan for in process quality control and final inspection quality document
- 5. Standard Air Receiver available in stock 0.5m³, 1m³, 2m³, 3m³, 4m³, 5m³

(NOTE- Customization as per requirement)

#### AIR RECEIVER KEY PROJECTS EXECUTED



12 Air Receiver of capacity 1m<sup>3</sup> & 0.27m<sup>3</sup>
Order from renowned MNC Company



(I) Pvt. Ltd. lobal Co.)

Capacity - 1m<sup>3</sup>

Pressure - 10 bar



Capacity - 5m<sup>3</sup>

Pressure - 10 bar



Capacity - 3m<sup>3</sup>
Pressure - 7.5 bar

Capacity - 2m<sup>3</sup>
Pressure - 13 bar



Capacity - 10 m3 & 15 m3
Total Quantities - 12 Nos



Delivered to Direct Customer in Mumbai (Polymer)

Capacity - 5 & 15 m<sup>3</sup>

Pressure - 13 kg/cm<sup>2</sup>



Capacity - 30 m<sup>3</sup>

Pressure - 22 kg/cm<sup>2</sup>

**Quantity - 7 Nos** 

**End Customer: Tata Power Solar Ltd** 



Hot dip Galvanized Air Receiver, Export

Capacities: 1m<sup>3</sup>, 4m<sup>3</sup>, 8m<sup>3</sup>, 2m<sup>3</sup>, 15m<sup>3</sup>,

 $3m^3$ 

Pressure: 10 kg/cm<sup>2</sup>, 40 kg/cm<sup>2</sup>

Therm (I) Pvt. Ltd.

**Dispatched Receivers:** 

- ASME U Stamp 15m³ x 4 Nos
- ASME U Stamp 4m³ x 1 Nos
- NON ASME 8m³ x 2 Nos & 1m³ x
   1 Nos

## R&D THERM PROCESS EQUIPMENT DIVISION

- Process equipment design and manufacturing specializing in Heat Exchangers, Pressure Vessels, Reactors, Deaerators, Tanks and Distillation Columns.
- Industries served include chemical, agrochemical, aromatics, oil & gas, intermediates, and dyes.
- Materials used: C-276, Inconel, SS 316L,
   SS 316, SS 304/304L, SA 516 Gr.70.

# CONTACT DETAILS FOR R&D THERM MANUFACTURING VERTICAL:

Manas N. Dhage

Meghna Pawar

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