



R & D Therm (I) Pvt. Ltd.  
(A Konark Global Co.)

R&D Therm India Pvt Ltd.

**AIR RECEIVER DIVISION**

# AIR RECEIVER PRODUCT EXPERTISE

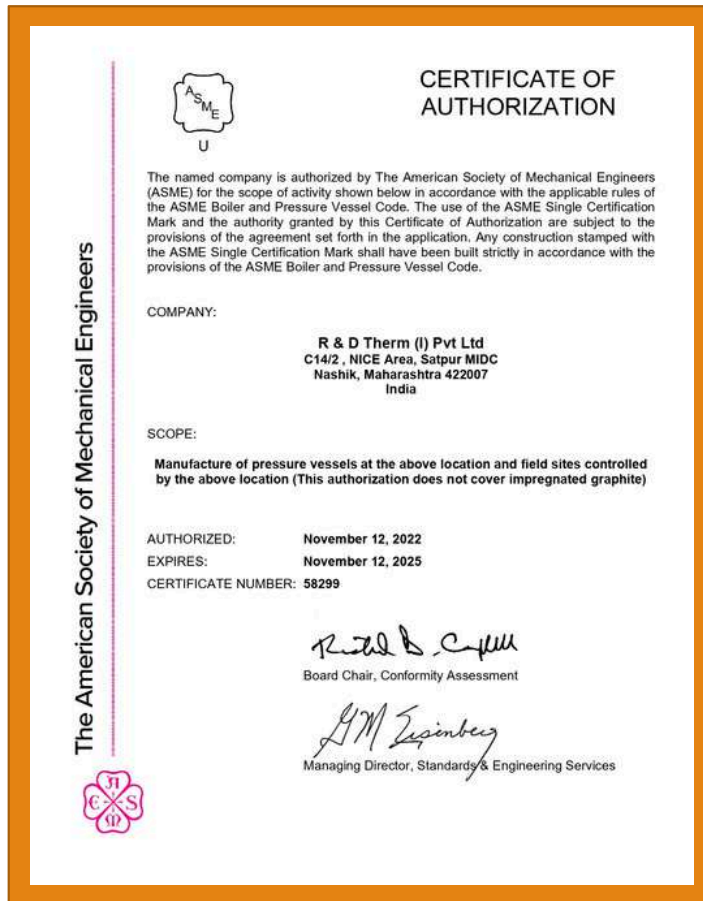
- Manufacturing since 1995
- Air Receiver manufactured in MOC - SS 304, 316 ,  
SA 516 Gr B & MS
- Design code - IS 2825 & ASME Sec VIII Div 1
- Accessories provided - Safety valve, Drain valve / Auto-  
drain valve & pressure gauge
- Surface Treatment of Air Receiver - Surface coating,  
Shot blasting, 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 (0.5m<sup>3</sup> to 5m<sup>3</sup>)
- 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

## 1) U STAMP



## 2) ISO



# 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  $0.3\text{m}^3$  to  $60\text{m}^3$ .
- 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.

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- 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 m<sup>3</sup> to 60 m<sup>3</sup>
4. Quality Assurance Plan for in process quality control and final inspection quality document
5. Standard Air Receiver available in stock - 0.5m<sup>3</sup>, 1m<sup>3</sup>, 2m<sup>3</sup>, 3m<sup>3</sup>, 4m<sup>3</sup>, 5m<sup>3</sup>

*(NOTE- Customization as per requirement)*

# **AIR RECEIVER KEY PROJECTS EXECUTED**



**12 Air Receiver of capacity  $1\text{m}^3$  &  $0.27\text{m}^3$   
Order from renowned MNC Company**



**Capacity - 1m<sup>3</sup>**  
**Pressure - 10 bar**



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**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**

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**Capacity - 10 m<sup>3</sup> & 15 m<sup>3</sup>**  
**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 :  $1\text{m}^3$ ,  $4\text{m}^3$ ,  $8\text{m}^3$ ,  $2\text{m}^3$ ,  $15\text{m}^3$ ,  $3\text{m}^3$**

**Pressure :  $10\text{ kg/cm}^2$ ,  $40\text{ kg/cm}^2$**

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### **Dispatched Receivers :**

- **ASME U Stamp –  $15\text{m}^3$  x 4 Nos**
- **ASME U Stamp –  $4\text{m}^3$  x 1 Nos**
- **NON - ASME –  $8\text{m}^3$  x 2 Nos &  $1\text{m}^3$  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, agro-chemical, aromatics, oil & gas, intermediates, and dyes.
- Materials used: C-276, Inconel, SS 316L, SS 316, SS 304/304L, SA 516 Gr.70.



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