



## **Mission-critical Flow-control Solutions**

# THE DECISIVE EDGE

L&T Valves, a wholly owned subsidiary of Larsen & Toubro, is a proud partner in the nation's defence and aerospace programmes. Our products enhance safety, reliability and performance in a variety of systems - on land, sea and air.

Over the last three decades, we have developed an array of mission-critical flow-control solutions leveraging expertise in technology management, new product development, metallurgy and precision manufacture. Our dedicated in-house capabilities to address defence and aerospace requirements provide us the decisive edge.

## Design

The valve designs are created by a dedicated team of industry experts. The focus is on 'long design life', and Finite Element Analysis and Computational Fluid Dynamics are used to optimise the designs. Further, our rigorous prototype development and functional qualification programmes ensure that the designs excel in the harsh operating conditions.

### In-house state-of-the-art capabilities:

- Shock test
- Vibration test
- Flow test
- Helium leak test
- Endurance test
- Operability test
- Strip test



Over **50 varieties**  
of valves developed  
for **underwater platforms**





## Ministry of Defence - Green Channel Status

In November 2019, L&T Valves became the first private enterprise in India to secure the coveted 'Green Channel Status' from the Directorate General of Quality Assurance (DGQA), The Ministry of Defence, Government of India.

The certification empowers us to self-certify our supplies to the Defence Services.

### Manufacture

Reliability is built into each product by a highly skilled team working in a state-of-the-art manufacturing centre:

- CNC Machining Centres
- CNC Horizontal Boring Machines
- Special Purpose Machines
- 5-axis Pulse AutoTIG Welding Machines

Defence and aerospace applications require valves in a variety of materials and they present unique manufacturing challenges. The expertise that L&T Valves has gained over six decades in machining and welding exotic ferrous and non-ferrous materials ensures that the products exceed customer expectations.



Valves for defence and aerospace are assembled, tested and packed in a dust-free 10K Clean Room. We also provide support during the installation and commissioning of valves. Contact us today. Experience the difference.

## Product Range

### Underwater Platforms



### Warships



### Aerospace



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### L&T Valves Limited

Mount - Poonamallee Road, Manapakkam, Chennai 600 089, INDIA

Tel: + 91 44 4070 6861 Email: ContactUs@Lntvalves.com www.Lntvalves.com CIN Number: U74999MH1961PLC012188

Registered Office: L&T House, N. M. Marg, Ballard Estate, Mumbai - 400 001, INDIA

Publication Number: ValvesDefence22/1022 © L&T Valves Limited. As we continuously endeavour to improve our products, the data given herein is subject to change. Please refer www.Lntvalves.com for the latest publication.

