



ISO 9001:2015

PESO APPROVED

ENGINEERING EXCELLENCE SINCE
2023

FLUID CONTROL VALVES AND COMPONENTS

Safety Relief Valves Built for Pressure

Premium quality pressure relief solutions for
critical industrial applications worldwide



6000 SERIES SRV



API 520/521/526 Compliant



Complete Documentation



Rigorous Testing

Company Profile

Delivering precision-engineered pressure relief solutions with unwavering commitment to quality

ELLEM - FLUID CONTROL VALVES AND COMPONENTS is a leading manufacturer of high-quality safety relief valves, headquartered in Coimbatore, Tamil Nadu, India. Since our establishment in 2023, we have been committed to delivering precision-engineered pressure relief solutions that meet the most demanding industrial requirements.

Our state-of-the-art manufacturing facility combines advanced CNC machining technology with skilled craftsmanship to produce valves that exceed international quality standards.

We specialize in designing and manufacturing safety relief valves compliant with API 520, API 521, and API 526 standards. Our product range serves diverse industries including Oil & Gas, Petrochemical, Power Generation, Water Treatment, Chemical Processing, Pharmaceutical, Marine, and HVAC sectors.

With ISO 9001:2015 certification and PESO approval, we maintain the highest quality standards while offering competitive lead times and comprehensive customer support.

5,600

ANNUAL CAPACITY

8+

INDUSTRIES SERVED

24/7

TECHNICAL SUPPORT

100%

TESTING COMPLIANCE

Product Range

Comprehensive safety relief valve solutions engineered for every application

SPRING LOADED



SAFETY RELIEF VALVE

3000 Series - Flanged

High-performance flanged safety relief valves designed for critical process applications with superior sealing.

SPRING LOADED



SAFETY RELIEF VALVE

3000 Series - Threaded

Compact threaded connection design ideal for space-constrained installations with excellent flow characteristics.

SPRING LOADED



SAFETY RELIEF VALVE

6000 Series - Plain Cap

Premium construction with plain cap design for enhanced safety in high-pressure applications.



SPRING LOADED

SAFETY RELIEF VALVE

6000 Series - Open Lever

Features open lever construction for manual testing capability, ideal for periodic verification.



HIGH TEMP

SAFETY RELIEF VALVE

6000 Series - High Temperature

Aluminum painted finish for high-temperature service applications up to +850°C.



PILOT OPERATED

PILOT OPERATED PRV

9000 Series

Advanced pilot operated design for precise pressure control with minimal blowdown.

Technical Specifications

Comprehensive range to meet diverse industrial requirements

GENERAL SPECIFICATIONS

Size Range	1/2" to 24" (DN15 to DN600)
Pressure Classes	150# to 2500# (PN10 to PN420)
Temperature Range	-196°C to +850°C (-320°F to +1562°F)
End Connections	Flanged (RF, RTJ, FF), Butt Weld, Socket Weld, Threaded, Wafer, Lug
Actuation	Manual, Pneumatic, Electric, Hydraulic, Gear Operated

MATERIALS OF CONSTRUCTION

Body Materials	Carbon Steel, Stainless Steel (304, 316, 316L), Duplex, Super Duplex
Special Alloys	Alloy 20, Inconel, Monel, Hastelloy, Titanium, Bronze
Trim Materials	Stellite faced, Stainless Steel, Monel

O-Ring Materials & Applications

Nitrile (NBR/Buna-N)

-40°C to +120°C

Petroleum oils, fuels, water. General purpose industrial applications.

Viton® (FKM)

-20°C to +200°C

Acids, aromatics, fuels. Chemical processing and high-temp applications.

EPDM

-50°C to +150°C

Steam, hot water, ozone. Water treatment and HVAC systems.

PTFE (Teflon®)

-200°C to +260°C

Universal chemical resistance. Pharmaceutical and food processing.

Silicone (VMQ)

-60°C to +230°C

Dry heat, ozone resistant. Medical and food grade applications.

Kalrez® (FFKM)

-25°C to +327°C

Aggressive chemicals, extreme temps. Semiconductor and petrochemical.

Quality Assurance & Testing

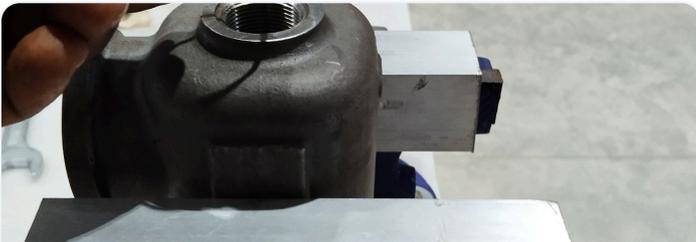
Comprehensive testing facilities ensuring every valve meets the highest standards



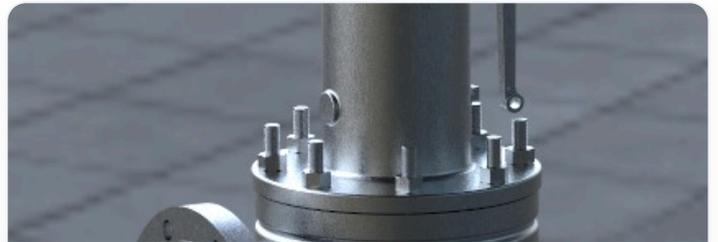
Blow Down & Lift Checking Facility



Precision Valve Assembly



Quality Inspection Process



High Temperature Valve Production



Pneumatic Testing

Air testing capability up to 500 barG for comprehensive pressure verification and leak detection.



Hydrostatic Testing

Water testing up to 310 barG for pressure ratings from 150# to 2500#.



Helium Leak Testing

ISO 15848 compliant fugitive emission testing for environmental compliance.



Cryogenic Testing

Low-temperature testing down to -196°C for cryogenic service applications.

NDT Capabilities

RT - Radiographic

UT - Ultrasonic

MT - Magnetic Particle

PT - Dye Penetrant

PMI - Material Identification

HT - Hardness Testing

Third-Party Inspection Acceptance

TÜV

Lloyd's Register

Bureau Veritas

DNV

ABS

5,600

UNITS/YEAR CAPACITY

10 Weeks

STANDARD LEAD TIME

6 Weeks

EXPRESS LEAD TIME

Manufacturing Capabilities

State-of-the-art facilities and advanced processes for superior quality



CNC Machining Centers

Advanced multi-axis CNC machines for precision component manufacturing with tight tolerances.



Welding Systems

Certified welding procedures with qualified welders for all material grades.



Heat Treatment Facilities

In-house heat treatment for stress relieving and material property enhancement.



Clean Room Assembly

Dedicated clean room environment for oxygen service valve assembly.

Value-Added Services

Comprehensive support throughout the product lifecycle



ENGINEERING CONSULTATION

Expert guidance on valve selection



CUSTOM DESIGN

Bespoke valve solutions



VALVE AUTOMATION

Complete actuation packages



AFTER-SALES SERVICE

Maintenance and repair



SPARE PARTS

Ready stock components



ON-SITE INSTALLATION

Professional commissioning



TRAINING PROGRAMS

Operator training sessions



24/7 TECH SUPPORT

Round-the-clock assistance



Let's Work Together

Contact our team for expert guidance on your pressure relief requirements

HEAD OFFICE

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