PASCAL
SYSTEMS

PRECISION IN PRESSURE.

COREFOCUS

Structured, reliable, and technically sound solutions for high-pressure systems, HPHT lab autoclaves, and industrial instrumentation — supply, installation, and commissioning under one roof.

413bar Max Pressure

500°C Max Temperature

24/7 Support

PAN India Coverage

WHO WE ARE

Pascal Systems is an engineering service provider specialising in high-pressure systems, HPHT lab autoclaves, and industrial instrumentation.

We deliver structured, reliable, and technically sound solutions focused on performance, safety, and long-term system stability. Our approach combines practical field experience with engineering standards to ensure consistent and dependable results.

We supply, install, and commission the complete range of high-pressure components — from valves and fittings to pressure transmitters, flow meters, and custom skid systems — making us a single-point solution for your pressure system needs.

Headquartered in Vadodara, Gujarat, we serve clients across Gujarat and PAN India, bringing specialist expertise directly to your facility.

COREFOCUS

Key Strengths

- Pressure Systems Technical Expertise
- Structured Execution & Rapid Response
- Safety & Compliance Focus
- Cost-Efficient Engineering Solutions
- On-site Technical Support, 24/7
- Complete Supply → Install → Commission
- Authorised Partner Network (Amar Equipment)

OUR SERVICES

HPHT LAB AUTOCLAVE SOLUTIONS

- Installation & commissioning
- Preventive and corrective maintenance
- System performance evaluation
- Troubleshooting & fault rectification
- Safety inspection and validation

ENGINEERING & TECHNICAL SUPPORT

- System upgrades & modifications
- Spare parts identification & sourcing
- Technical consultation & P&ID review
- Custom solution development
- Skid assembly & integration

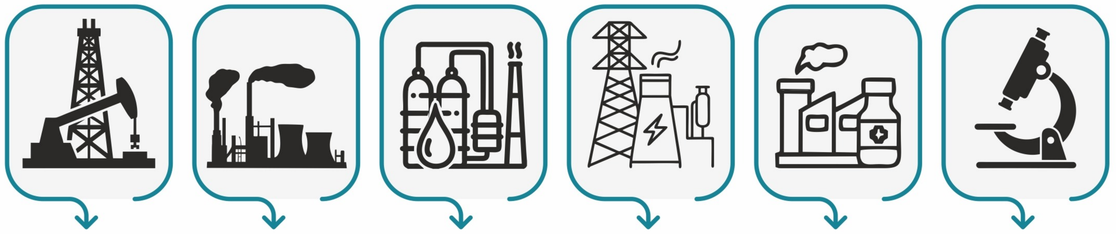
PRESSURE & INSTRUMENTATION

- Pressure gauge selection (per standards)
- PID controller configuration, wiring & tuning
- Control panel diagnostics & optimisation
- Instrument calibration support
- Transmitter installation & loop checking

MAINTENANCE & BREAKDOWN SERVICES

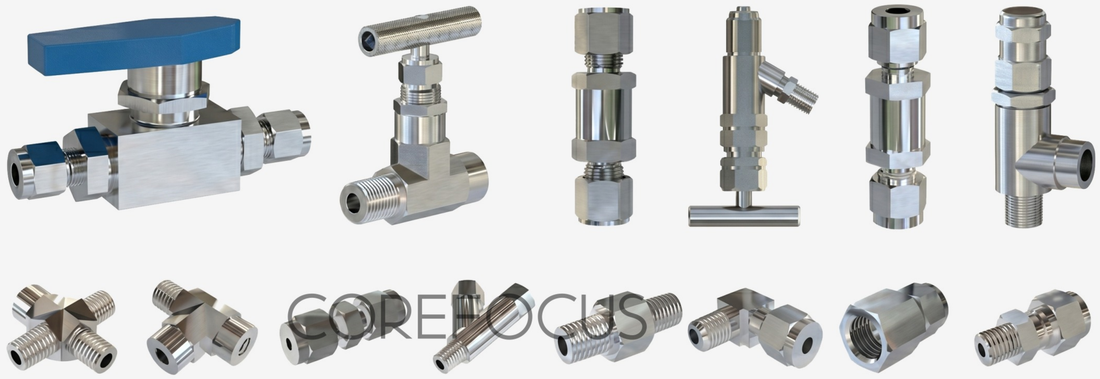
- On-site technical support
- Root cause analysis
- Repair & replacement of components
- Emergency breakdown response
- System restoration with minimal downtime

COREFOCUS



OIL & GAS | CHEMICAL | PETROCHEMICAL | HYDROGEN & ENERGY | PHARMACEUTICALS | R&D LABS

Valves & Fittings



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Sizes	Pressure	Temperature	Materials	Connections
¼, ⅜, ½, ¾ & 1 inch	Up to 413 bar / 6000 psi	Up to 500°C	SS316, Hastelloy C	NPT / BSP, OD×OD compression

Supply Note : All valves and fittings are supplied through our authorised partner Amar Equipment Pvt. Ltd. Pascal Systems provides selection, sourcing, installation, and commissioning support for the complete range — ensuring proper torque, leak testing, and system integration.

Pressure & Flow instruments

PRESSURE GAUGE

PRESSURE TRANSMITTERS

MASS FLOW CONTROLLER

Standards
ASME, DIN, IS

Output
4–20 mA, HART, Rs485

Wetted Parts
SS316L, Hastelloy C276

IP Rating
Ip65 / Ip67

Regulators

BACK PRESSURE REGULATORS

COREFOCUS

Maintain upstream pressure in flow systems; suitable for both gas and liquid.

Up to 413 bar I For Gas / Liquid
Manual / Automated I SS316 Hastelloy C

FORWARD PRESSURE REGULATORS

Precision control of downstream pressure for gas and liquid service.

Up to 413 bar I 6000 psi
Manual / Automated I SS316 Hastelloy C

INTEGRATED ELECTRICAL & PROCESS CONTROL SOLUTIONS

COMPLETE SYSTEMS. PRECISION ENGINEERED.

Pascal Systems supplies and commissions complete electrical and process control solutions from individual transmitters and PID controllers to fully wired multi-loop control panels. Whether you need a standalone heater controller or a fully integrated PLC-based system for your HPHT operations, we deliver turnkey electrical solutions for precision and reliability.

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PID Controllers **PLC Automation** **Mass Flow Controllers**
Thermocouples & RTDC **Band & Trace Heaters**
Custom Control Panels **DC Power Supplies**
Scada Integration

PASCAL SYSTEMS

COREFOCUS

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