



Course

**Professional in Pneumatics and Hydraulics –
Advanced Level with TUV Rheinland Certified
Qualification**

Duration

8 Weeks (>180 hours)

Eligibility

Bachelor of Engineering/Technology or Diploma in Mechanical, Electrical, Electronics, and Computer Science Engineering or Suitably qualified professionals, who want to upgrade their qualifications, with a minimum of 2 years of experience in Pneumatics and Hydraulics

Course coverage

Pneumatics: Safety practices, Industrial prime movers, Compressed air generation and treatment, Pneumatic actuators, Valves and control circuits, Electro-pneumatics, Multiple-actuator pneumatic and electro-pneumatic circuits, Pneumatic applications, Design of pneumatic systems, and Maintenance and troubleshooting of pneumatic systems.

Hydraulics: Hydraulic safety, Hydraulic fundamentals, Fluids, Filters, Power packs, Pumps, Pressure relief valves, Linear actuators, Rotary actuators, Directional control valves, Non-return valves, Flow control valves, Pressure control Valves, Accumulators, Seals, Fluid conductor system, Electro-hydraulics, Hydrostatic transmission (HST), Load Sensing Systems, Proportional valve system, Servo valve system, Basics of hydraulic cartridge valve systems, Applications of hydraulic systems, Preventive maintenance & troubleshooting, and Design of hydraulic systems

Programmable Logic Controllers (PLCs)

Employability Skills: Leadership, Decision Making & Problem Solving, Communication Skills, Emotional Intelligence, Interpersonal Skills, Team Building, Time Management, and Stress Management.

Timing

Monday to Friday (From 9.30 am to 4.30 pm)
Occasionally on Saturdays also

Training Methodology and Resources

Classroom-based & practical-oriented course, Good infrastructure, and Expert faculty.

Course books, workbooks, Safety goggles, and other resources required for the training are provided.

Course Fee (2022-23)

Rs. 24000/- + Rs. 4320/- (GST 18%) = **Rs. 28320/-**

You may pay the total fees at the time of joining the course or in 2 Installments:

1st Installment – Rs. 14160/- while joining

2nd Installment - Rs. 14160/- during the 5th week

TUV Certification Fee (2022-23)

Rs. 4720/- (during the last week of the course)

Faculty

The main faculty for the course is Mr Joji Parambath. He has vast experience in vocational training, for over 25 years. He has authored 37 books on pneumatics and hydraulics, so far. For more details, please visit <https://jojibooks.com>.

Certification

TÜV Rheinland (India) Private Limited (Personnel Certification Body) verifies the fulfilment of the defined requirements. Upon completing the course, TÜV Rheinland certifies that the candidate has successfully achieved the qualification. Fluidsys Training Centre also provides certificates to participants on successful completion of the course.

Examination Procedure

The examination consists of a written test (60 minutes), practical test (120 minutes) and viva (30 minutes). The examination is monitored by an examiner nominated by TÜV Rheinland (India) Private Limited. A candidate is regarded as passed the examination when the candidate has achieved a minimum of 67% in each of the written, practical & oral exams.

Who Should Attend This Course?

This course is suited for ambitious fresh graduates and diploma holders who are aspiring to get jobs in the manufacturing industry. Working professionals may also take up this course who can get sponsorship or take long leave.

Sign Up Today | Upgrade your Knowledge and Skill

Note: Fluidsys reserves the right to alter the duration, timing, course coverage, fees, or other conditions of the course without assigning any reason.