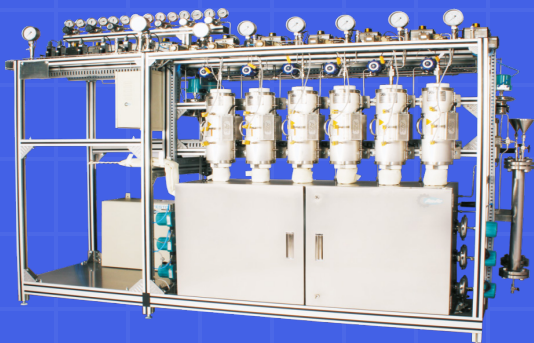


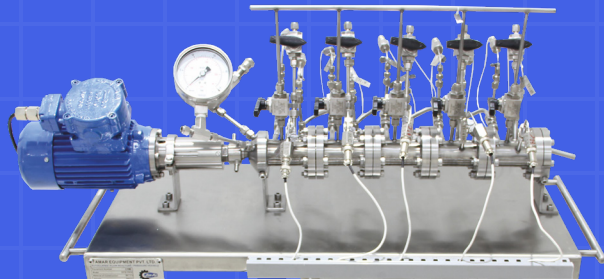
Flow Reactors

Applied Catalysts and Amar Equipment, combining 50 years of catalyst experience with 50 years of pressure vessel fabrication to offer best in class catalytic flow reactors.



Packed Bed Reactors

10 - 100ml, 100 bar, 900+ °C
Up to 16 parallel beds
Automated & Manual Options
Applications: Reforming, HDS,
Hydrogenation, Amination



SlurryFLO™

250 ml- 50L, 100 bar, -30 – 250 °C
Flow rates up to 300 LPH
Automated & Manual Options
Applications: Slurry reactions,
continuous crystallization



PinchFLO™

50 ml- 1000L, 50 bar, -50 – 350 °C
Flow rates up to 10,000 LPH
Automated & Manual Options
Applications: Nitrations, Oxidations,
Organometallic chemistries.

50,000 sq.ft State-of-the-art Manufacturing facility



ISO 9001, ASME, CE-PED, & ATEX Certified

TUV NORD

CERTIFICATE

Management system as per
ISO 9001 : 2015

1. THE COMPANY HAS BEEN CERTIFIED IN ACCORDANCE WITH THE REQUIREMENTS OF ISO 9001:2015 AND IS AUTHORIZED TO USE THE CERTIFICATION MARK IN ACCORDANCE WITH THE CERTIFICATION AGREEMENT.

AMAR EQUIPMENTS PVT. LTD.
Unit No. 5443, Vishon Textile Mills,
LBS Road, Bhadrap (West),
Mumbai - 400 078,
Maharashtra,
India

Scope:
Design, Manufacture and Sale of High Pressure Autoclaves, Reactors, Vessels and Systems, Continuous Flow Reactors and Systems, Aqueous Nitric Acid Dryer and Heating Cooling Circulators with Related Accessories.

Certification body:
TUV NORD CERT GMBH

Certification number:
R1 2627 INQ-200001/01

Valid until:
21.05.2022

Place, 21.05.2022

IAF **DAS**

CERTIFICATE OF AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:
AMAR EQUIPMENTS PVT. LTD.
Vaitan Seta, LBS Marg
Bhadrap West
Mumbai, Maharashtra 400078
India

SCOPE:
Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover integrated graphics)

AUTHORIZED: April 26, 2022
EXPIRES: April 26, 2026
CERTIFICATE NUMBER: 54313

R. J. B. Cooper
Board Chair, Conformity Assessment

H. M. Espartero
Managing Director, Standards & Engineering Services

The American Society of Mechanical Engineers

Certificate

Quality-Assurance System
according to directive 2014/68/EU

Certificate no.: 01 2627 INQ-200001/01

Name and address of the manufacturer:
Amar Equipments Pvt.Ltd.
Vaitan Seta, LBS Marg,
Near Tank Road,
Opp. KICC Bank, Bhadrap(West), Mumbai-400078,
India

Herein we certify that the above-mentioned manufacturer operates a quality system according to the European Directive 2014/68/EU. The manufacturer has the permission to affix the following CE marking to pressure equipment described and manufactured in accordance to the scope covered by this Quality-Assurance System.

CE 2627

Tested acc. to Directive 2014/68/EU: **QS System (Module H1)**
The CE marking CE, CE, CE, CE, are covered by Module H1)

Audit report no.: **R_01 2627 INQ-200001/01**

Area of validity: **Design and manufacture of high pressure Autoclaves/Reactors/Pressure vessels, Tubular Reactors/Mixers, Reactors & Purifiers with accessories with related pressure and safety accessories, see annex to certificate**

Manufacturing plant:
Amar Equipments Pvt.Ltd.
Vaitan Seta, LBS Marg,
Near Tank Road,
Opp. KICC Bank, Bhadrap (West), Mumbai-400078,
India.

Valid until: **The certificate is valid until 20.05.2026**
First certification: 21.05.2019 (Justified Body 2025)

Place, 21.05.2022

Krzysztof
Eag Krajewski

TUV RHEINLAND
2017

15_MQ-0488/Rev.02

TÜV Rheinland
Proceety Right

TUV NORD

Acknowledgement of Receipt

Equipment and protective systems intended for use in potentially explosive atmospheres, Directive 2014/34/EU

for the equipment: **Labortank Autoclave - 50 L**

type: **autocl**

of the manufacturer: **Amar Equipments Pvt. Ltd.**

Address: **G. Vishon Industrial Estate, LBS Marg, Bell Road Kuria (West), Mumbai - 400070 India**

Device number: **0200032**

Date of issue: **2019-03-18**

Forwarded technical documents: **with letter of 2019-03-09 consisting of 1 folder**

According to the conformity assessment procedure as per Directive 2014/34/EU, Chapter 6, Article 13, Paragraph 13, Letter b, Paragraph 13 the manufacturer forwards technical documents for storage purposes acc. to Annex VII, Number 3 of the Directive for the above mentioned product.

TÜV CIPRUS Ltd, notified body No. 2385 in accordance with Article 17 of the Council Directive 2014/34/EU of February 26, 2014, the receipt of these documents.

The documents are stored until 2029-03-18 (15 years) and afterwards by request of the manufacturer either kept further, sent back or destroyed.

TÜV CIPRUS Ltd (TUV NORD Group)

The Manufacturer's notified body:

[Signature]
D. Karamanlidou

15_MQ-0488/Rev.02

This certificate and its content are not valid for other products. The manufacturer is responsible for the content of the certificate. The manufacturer is responsible for the content of the certificate.

01 2627 INQ-200001/01, April 26, 2022

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