

## Supplement Nr: 1

- (1) **EU-Type Examination Certificate**
- (2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**  
**Directive 2014/34/EU**
- (3) EU – Type Examination Certificate Number: **IEP 15 ATEX 0320**
- (4) Equipment: **API675 Type DO-EP Electric/Pneumatic Motor Operated Positive Displacement Chemical Dosing Pump**
- (5) Firm Name **DAĞGAZ Doğalgaz Malzemeleri Mühendislik Müşavirlik Turizm İnşaat Taah. San.ve Tic. Ltd. Şti.**
- (6) Firm Address: **Arslanbey OSB Mahallesi 8. Sok. No:7 Kartepe / Kocaeli - TURKEY**
- (7) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential Report Nr : IEP.Rp.Ex.10-756-01 date 10.05.2022.
- (9) Compliance with Essential Health and safety requirements has been assured by compliance with;  
**EN IEC 60079-0:2018, EN ISO 80079-36:2016, EN ISO 80079-37:2016**
- (10) If the sign “X“ is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- (12) The marking of the equipment or protective system shall include the following:



II ½G Ex IIA T4 Ga/Gb  
II ½G Ex h IIA T4 Ga/Gb

Responsible Person :

Nurettin Terzioglu  
Head of Certification Body



Supplement Date of Issue: 18.05.2022





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(13) Schedule

(14) Certificate Nr: **IEP 15 ATEX 0320**

(15) Description of Equipment;

Dağgaz API675 Type Electric/Pneumatic Operated Chemical Dosing Pump the necessary, predetermined or calculated amount of odorants or other liquid chemicals into pipe lines or solution systems. Systems uses Natural Gas or Nitrogen pneumatic power source. System consists of a pump cabinet/base frame, controller cabinets, instruments and storage tanks. Controller cabinet can be placed outside of the hazardous area.

Electrical/Pneumatic motors use for pumps strokes and pumps inject to the odorants or other chemicals below to pipelines or solutions. And the dosing flowmeter measures the amount pumped to the pipeline accurately. Pump stroke controller adjust the pump flow rates via remote control operations.

The determination of hazardous areas inside and outside of the odorizing system is defined in accordance to EN 60079-10-1.

The electrical and non-electrical equipment installed in a hazardous area are in corresponding ex-type of protection specified "List of electrical and non-electrical parts."

(16) Special Conditions for Safe Use:

API675 Type Electric/Pneumatic Operated Chemical Dosing Pump have to conform to the relevant national regulations.

(17) Essential Health and Safety Requirements:

17.1 Covered by standards mentioned in [ 9 ] of this certificate.

17.2 According to Directive 94/9/EC Annex 2, clause 1.0.6 and manufacture's service and operation manual for use dated 20.05.2013, API675 Type Electric/Pneumatic Operated Chemical Dosing Pump allowed to be installed in hazardous area specified according to EN 60079-10-1.

17.3 At the installation and the operation of API675 Type Electric/Pneumatic Operated Chemical Dosing Pump have to be observed manufacture's service and operation manual dated 20.05.2013. (8 pages)

**Responsible Person :**

Nurettin Terzioglu  
Head of Certification Body





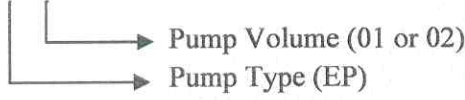
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(18) Certificate Nr: IEP 15 ATEX 0320

(19) Technical Parameters

## 19.1 Coding System

DO X Y



## 19.2 Description of the Code

X: Pump Type	EP: API675 Type Electric/Pneumatic Motor Type Chemical Dosing (Gas Odorants, Solvents, DMDS, Inhibitors, Amonia etc.) Dosing Pump
Y: Pump Capacity	01: 0.1 l/h      02: 0.2 l/h ,      2000: 2000 l/h

## 19.3 Technical Specifications

Flow Output Max.	: 2000 liters/hr.
Operating Pressure Max.	: 500 bar
Operating Temperature	: -15 °C ~ + 60 °C
Power Supply	: 230-400-415-440-460 VAC / 24VDC
Stroke Control Signal	: 0-10VDC, 4-20 mA, Pulse, RS485 HART
Usage	: In all industries for the injection of a wide variety of chemicals

(20) List of Documentation;

Drawing Nr ;	Drawing Name ;	Drawing Date ;
DO-EP-(01-02)-202	Exploded	02.10.2013
DO-EP-(01-02)-209	General	02.06.2014
DO-EP-(01-02)-208	General	02.06.2014
DO-EP-(01-02)-207	General	02.06.2014
DO-EP-(01-02)-203	Outside and Zone Drawing	18.12.2013
DO-EP-(01-02)-179	Pumps Dimensions	30.06.2014
DO-EP-(01-02)-125	Exploded	06.04.2013
DO-EP-(M-S-X-H)-(01...055)	Drawings	30.03.2022

List of Mechanical Devices - Table 002 (1 page)	01.04.2013
List of Mechanical parts - Table 1 (1 page)	06.04.2013
Service and Operation Manual (8 page)	20.05.2013
Test reports (7 page)	20.03.2022

## Certificate History;

Supplement Nr	Supplement Date	Summary Description of Variation
01	18.05.2022	Standard updates
00	22.06.2015	First issue of certificate

Responsible Person :

Nurettin Terzioglu  
Head of Certification Body



Supplement Date of Issue: 18.05.2022

