

(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 18 ATEX 0630****(4) Product: BPV-19 Type By-pass Valve****(5) Firm Name: Yenen Mühendislik Müşavirlik San. ve Tic. Ltd. Şti.****(6) Firm Address: Akşemsettin Mah. Tavukçuyolu Sok. No: 23 Sultanbeyli 34925 –İstanbul 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.10-1346 date 08.10.2018.****(9) Compliance with Essential Health and safety requirements has been assured by compliance with;****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 product is subject to Specified Conditions of 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 ½ G Ex h IIA Ga/Gb****Responsible Person :****Nurettin Terzioğlu
Head of Certification Body****Date of Issue : 17.10.2018**



IEP ENERGY PETROLEUM INSTITUTE

(13) Certificate Nr : IEP 18 ATEX 0630

(14) Description of Equipment:

BPV-19 type by-pass valve consists of mechanical parts. In pressure increases occurring in pipe line, the pumped fluid applies force to the inlet side of the by-pass valve. If this pressure increase exceeds a certain, the by-pass spring is compressed by the force applied by the fluid and the by-pass is opened by entering the circuit. The fluid on the pressure line side is transferred back to the tank via a by-pass. In this way circulation of the fluid in the installation is ensured. If this circulation continues for a long time the temperature increases in the pump and in the flow. This equipment can be used zone 1 according to the EN 60079-10-1 standard. Inter area is zone 0.

Technical Parameters: BPV-19 Type By-pass Valve

Flow Range	: 37 to 151 LPM
Differential Pressure Range	: 3 to 15,5 bar
Connections	: 1" DIN 250 for PN40 or 1" 300 ANSI, 1" NPT, 1" Rpt
Operating Temperature	: -40 °C ~ +107 °C
Max. Working Pressure	: 27,6 bar

(15) Essential Health and Safety Requirements: This certificate is in the contents of standards that mentioned in item (9). It has been accepted that are manufactured according to the producer instructions and the standards mentioned above. Information of assembled working of D BPV-19 type by-pass valve with other related equipment exist in instruction manual with 8 pages approved and date 11.01.2018.

(16) Drawings:

Drawing Nr;	Drawing Name;	Date;
Y-37002390	Assembly	15.11.2004
Y-37001090-01	1 " ANSI By-Pass Assembly	15.11.2004
37002190	By Pass Valf Body	10.07.2002
Y-37000990-01	1 " ANSI By-Pass Assembly	15.11.2004
37003190	By Pass Valf Body	10.07.2002
37000190	By Pass Valf Chassis	07.04.2003
37000290	By Pass Upper Body	10.07.2002
37000390	Ball	10.07.2002
37000590	Ball Spring	10.07.2002
37000690	By Pass Valf Tappet	10.07.2002
37002890	Auxiliary Spring	10.07.2002
37000890	Spring Plate	10.07.2002
37001190	By Pass Valf Chassis	07.04.2003
37001690	By Pass Soft Seat	10.07.2005
37002190	By Pass Body	10.07.2002

(17) List of Documentation:

- ♦ By-pass Valve user manual : 8 pages, dated 11.01.2012.
- ♦ Risk Analysis Report : Date 2018 – 3 pages
- ♦

For the validity of analysis of certificate, the parts that are used in BPV-19 type by-pass valve are confirmed in the part list. 2.3 and dated 05.06.2018.

Responsible Person :

Nurettin Terzioğlu
Head of Certification Body



Date of Issue : 17.10.2018



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