

## Supplement No: 3

### (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 14 ATEX 0217 X**

(4) Product: **Cable Glands UAG, UG and UAGT Series**

(5) Firm Name: **Ortaçlar Elektrik Sanayi ve Ticaret Limited Şirketi**

(6) Firm Address: **Hadımköy Mah. İbni Sina Cad. No:9 Arnavutköy / İSTANBUL - TURKEY**

(7) This product and 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.10-591-3 date 20.01.2020.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with;

**EN 60079-0:2013, EN 60079-1:2014, EN 60079-7:2015, EN 60079-31:2014**

(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.

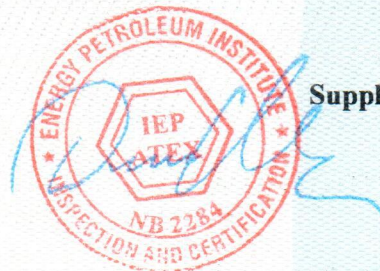
(12) The marking of the equipment or protective system shall include the following:



**I M2 Ex db I Mb / I M2 Ex eb I Mb  
II 2G Ex db IIC Gb / II 2G Ex eb II Gb  
II 2D Ex tb IIIC Db**

#### Responsible Person:

Nurettin Terzioglu  
Head of Certification Body



Supplement Date of Issue: 21.01.2020





# IEP ENERGY PETROLEUM INSTITUTE

(13) Schedule

(14) Certificate Nr: **IEP 14 ATEX 0217 X**

(15) Technical Details: **UAG series Unarmour Cable Gland Details, IP 66/68**

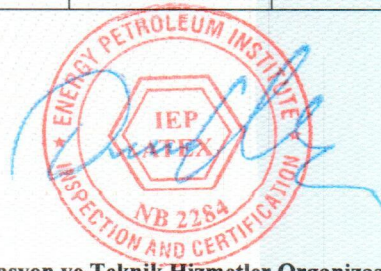
Cable Gland Size	Entry Thread	d type GL mm	e type GL mm	Cable outer sheath Ø mm	
				Min.	Max.
12	M12x1,5	15	6	3,0	6,5
16	M16x1,5	15	7	4,0	8,0
20	M20x1,5	15	8	6,0	12,0
25	M25x1,5	15	8	10,0	14,0
32	M32x1,5	15	9	13,0	18,0
40	M40x1,5	15	9	18,0	25,0
50	M50x1,5	15	9	22,0	32,0
63s	M63x1,5	15	14	34,0	44,0
63	M63x1,5	15	15	45,0	55,0
75s	M75x1,5	20	20	45,0	55,0
75	M75sx1,5	20	20	50,0	63,0
80	M80x2,0	20	20	50,0	63,0
90	M90x2,0	20	20	60,0	70,0
100	M100x2,0	20	20	70,0	80,0
115	M115x2,0	20	20	80,0	90,0
130	M130x2,0	20	20	90,0	100,0

## UG series Unarmour Cable Gland Details, IP 66/68

Cable Gland Size	Entry Thread	d type GL mm	e type GL mm	Cable outer sheath Ø mm	
				Min.	Max.
16	M16x1,5	15	7	6,1	11,6
20s	M20x1,5	15	8	6,1	13,2
20	M20x1,5	15	8	9,5	15,9
25	M25x1,5	15	8	12,5	20,5
32	M32x1,5	15	9	18,2	26,2
40	M40x1,5	15	9	23,7	33,9
50	M50x1,5	15	9	27,9	40,4
63s	M63x1,5	15	15	40,4	51
63	M63x1,5	15	15	47,2	55,9
75s	M75sx1,5	15	15	52,8	59
75	M75x1,5	15	15	59,1	67,9
90	M90x2,0	20	20	60	70
100	M100x2,0	20	20	70	80
115	M115x2,0	20	20	80	90
130	M130x2,0	20	20	90	100

**Responsible Person:**

Nurettin Terzioglu  
Head of Certification Body



**IEP Uluslararası Enerji Petrol Gzetim, Sertifikasyon ve Teknik Hizmetler Organizasyon Ticaret Limited Sirketi**

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# IEP ENERGY PETROLEUM INSTITUTE

(16) Certificate Nr: **IEP 14 ATEX 0217 X**

(17) Technical Details:

## UAGT series Unarmour Cable Gland Details, IP 66/68 , (Ex db series)

Cable Gland Size	Product Code	Entry Thread	e type GL mm	Cable outer sheath Ø mm	
				Min.	Max.
16	UAGTXX/16/X	M16x1,5	15	4	8
20	UAGTXX/20/X	M20x1,5	15	6	12
25s	UAGTXX/25s/X	M25x1,5	15	10	14
25	UAGTXX/25/X	M25x1,5	15	13	18
32	UAGTXX/32/X	M32x1,5	15	13	18
32	UAGTXX/40/X	M32x1,5	15	18	25
40	UAGTXX/40/X	M40x1,5	15	18	25
40	UAGTXX/50/X	M40x1,5	15	22	32
50	UAGTXX/50/X	M50x1,5	15	22	32
50	UAGTXX/42/X	M50x1,5	15	30	38
63s	UAGTXX/63s/X	M63x1,5	15	33	44
63	UAGTXX/63/X	M63x1,5	15	45	50
72	UAGTXX/80/X	M72x1,5	20	50	63
75	UAGTXX/72/X	M75x1,5	20	45	55
75	UAGTXX/75/X	M75x1,5	20	50	63
80	UAGTXX/90/X	M80x2,0	20	60	70

## EUAGT series Unarmour Cable Gland Details, IP 66/68 , (Ex eb series)

Cable Gland Size	Product Code	Entry Thread	e type GL mm	Cable outer sheath Ø mm	
				Min.	Max.
16	EUAGTXX/16/X	M16x1,5	7	4	8
20	EUAGTXX/20/X	M20x1,5	8	6	12
25s	EUAGTXX/25s/X	M25x1,5	8	10	14
25	EUAGTXX/25/X	M25x1,5	8	13	18
32	EUAGTXX/32/X	M32x1,5	9	13	18
32	EUAGTXX/40/X	M32x1,5	9	18	25
40	EUAGTXX/40/X	M40x1,5	9	18	25
40	EUAGTXX/50/X	M40x1,5	9	22	32
50	EUAGTXX/50/X	M50x1,5	9	22	32
50	EUAGTXX/42/X	M50x1,5	9	30	38
63s	EUAGTXX/63s/X	M63x1,5	14	33	44

**Responsible Person:**

Nurettin Terzioglu  
Head of Certification Body



**IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyon Ticaret Limited Sirketi**

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# IEP ENERGY PETROLEUM INSTITUTE

(18) Certificate Nr: **IEP 14 ATEX 0217 X**

(19) Description of Equipment

Cable Gland Series Type UAG, UG and UAGT made from according to brass, stainless steel and aluminum. The ranges of cable glands are metallic and intended to terminate circular unarmoured and braided cables (as defined type designations) into a threaded entry point within associated flameproof, increased safety or dust tight enclosures (as defined by their coding). Cable sealing ring, rubber washer is made from silicone rubber. Climbing ring is made from PA V0.

The UAG, UG and UAGT type range of cable glands are intended to terminate tape cables into enclosures without compromising the explosion protection provided by the enclosures in accordance with relevant codes of practice. They consist of a male-threaded front entry component, a front seal, a main body component, a rear seal, an actuating nut and a rear running coupling. The front entry component is intended to screw into an entry point of its associated enclosure. The seals are compressed onto the cable when the body component and actuating nut are tightened. Continuity diaphragm and skid washer is fitted behind the front seal.

Cable Gland Series Type UAG, UG and UAGT has been evaluate in the contents of IP 66/68 with by cable.

**Materials of Manufacture:**

Brass to EN12168:1998 Grade CuZn39Pb (CW614N)

Mild steel to EN 10088-3:2005 Grade 220M07Pb

Stainless steel to EN 10088-3:2005 Grade 316S11, 316S13, 316S31 or 316S33

Aluminum alloy not inferior to grade 6082 to EN755,1-3:1996 or LM25 to EN 1676:2010 (Not Group I)

**Temperature of isolation:**

NBR sealing ring : ( -30 ; + 120 ) °C

Neoprene sealing ring : ( -40 ; + 100 ) °C

Silicon sealing ring : ( -60 ; + 180 ) °C

(20) List of documentation;

Cable Gland series Type UAG, UG and UAGT operating manual date 18.12.2019 [8 pages]

Drawing Nr ;	Drawing Name ;	Date ;
DCG-000	Exploded picture	18.12.2013
UAG-000	Dimensions	15.11.2013
UAG-001	Metric thread washer	01.03.2013
UAG -002	Metric thread washer	01.03.2013
UAG-003	Metric thread sizes	01.03.2013
UAG-004	Metric thread sealing sizes	01.03.2013
UAG-005	Metric thread body sizes	01.03.2013
UAG -006	Union dimensions	01.03.2013
UAG -007	Seal fitting sizes	01.03.2013
UAG-008	Fitting lid sizes	01.03.2013
UAG-009	Body sizes	01.03.2013

**Responsible Person:**

Nurettin Terzioglu  
Head of Certification Body



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(21) Certificate Nr: **IEP 14 ATEX 0217 X**

Drawing Nr ;	Drawing Name ;	Date ;
UAG-010	Gas thread size	01.03.2013
UAG-011	Gas threaded upper cap	01.03.2013
UAG-012	Gas threaded cap	01.03.2013
UAG-013	Gas threaded gasket	01.03.2013
UAG-014	Gas threaded body	01.03.2013
UAG-015	NPT threaded upper gasket	01.03.2013
UAG-016	NPT threaded cover	01.03.2013
UAG-017	NPT threaded gasket	01.03.2013
UAG-018	NPT threaded body	01.03.2013
UAG-019	PG threaded O-ring	01.03.2013
UAG-020	PG threaded cover	01.03.2013
UAG-021	PG threaded gasket	01.03.2013
UAG-022	PG threaded body	01.03.2013
UAG-023	PG threaded upper gasket	01.03.2013
UAG-024	NPT threaded body	08.12.2015
UAG-025	Metric threaded body	04.12.2015
UAG-026	Gas threaded body	14.12.2015
UAG-027	PG threaded body	04.12.2015
UG-514	Bellows seal	03.09.2013
UG-515	Metric threaded body	23.08.2013
UG-516	PG threaded body	23.08.2013
UG-517	Gas threaded body	23.08.2013
UG-518	Cover part	12.08.2013
UG-526	Sealing pressure washer	01.11.2013
UG-527	Washer	05.11.2013
UG-528	Sealing pressure washer	01.11.2013
UG-529	NPT threaded body	23.08.2013
UG-530	Inner/ Outer taper dimensions	27.11.2019

Cable Gland Series Type UAG, UG and UAGT are indicated in the piece list Table 1 and date 18.12.2019.

This certificate is in the contents of standards that mentioned in item [ 9 ] It has been accepted that Cable Gland series Type UAG, UG and UAGT are manufactured according to the producer instructions and the standards mentioned above.

### Certificate History:

Supplement N°	Issue Date	Summary Description of Variation
03	21.01.2020	· New series addition (UAGT series)
02	20.03.2018	· Update to new edition of EN 60079-0:2013, EN 60079-1:2014, EN 60079-7:2015, EN 60097-31:2014 · Upgrade to ATEX directive 2014/34/EU · Change of address
01	17.02.2016	New area addition: Mining
00	02.06.2014	First issue of certificate

**Responsible Person:**  
Nurettin Terzioglu  
Head of Certification Body



**Supplement Date of Issue: 21.01.2020**



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