

[1] SUPPLEMENT N.1 AT EC TYPE EXAMINATION CERTIFICATE

[2] **Equipment or protective systems or components intended for use in potentially explosive atmospheres Directive 94/9/EC**

[3] Number of EC Type examination certificate:

EUM1 12 ATEX 0789

[4] **Equipment: I.T.V.C. Intelligent Total Valve Control**

[5] **Manufacturer: DVG Automation S.p.A.**

[6] **Address: Via Rossetti, n. 2 - 29016 Cortemaggiore (PC)**

[7] No changes

[8] EUROFINS-MODULO UNO S.p.A., notified body n. 0477 in accordance with Article 9 of the Council Directive 94/9/CE of 23th March 1994, certifies that this component have been found to comply with the Essential Health and Safety Requirements relating to the design and construction of component intended for use in potentially explosive atmospheres given in Annex II of the Directive.

The examination and test results are recorded in the confidential report n. EUT.14.REL.01/51885

[9] No changes

[10] No changes

[11] No changes

[12] The equipment shall include the sign  and one of the following strings:

II 2GD Ex db IIB+H₂ T5 Ex tb IIIC T88°C

-60°C ≤ T_{amb} ≤ +85°C


II 2GD Ex db IIB+H₂ T5 Ex tb IIIC T88°C

-45°C ≤ T_{amb} ≤ +85°C

II 2GD Ex db IIB+H₂ T5 Ex tb IIIC T88°C

-20°C ≤ T_{amb} ≤ +85°C

Turin, 24 February 2014



Dionisio Bucchieri
Directive Responsible



Paolo Dentis
Notified Body Manager

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 [14] **SUPPLEMENT N.1 AT EC TYPE EXAMINATION CERTIFICATE N. EUM1 12 ATEX 0789**
[15] Equipment description

The I.T.V.C. is a control system for hydraulic actuators, electro-hydraulic, pneumatic or electrical. It consist of the following parts:

- Power board which consists in the power supply stage, terminal blocks of support cables, conditionings of the signals coming from the customer or from the actuator
- Control board where there are the management algorithms and bus interfaces
- Panel board with three capacitive buttons
- Display board
- Aluminium/AISI 316 enclosure to accommodate the boards

Power supply: 22-60 Vdc or 90-260 Vac

Degree of protection IP68 with the following meanings:

- First number 6: the equipment is dust tight.
- Second number 8: the equipment is resistant to the submersion; test conditions depth 1 m, duration of the test 2 hours

The screws used for joint of lamination have hexagonal head and they are of the type A4-80.

Warning label

No changes

[16] Special condition for a safe use

No changes

[17] Assessment report n° EUT.14.REL.01/51885

This supplement at EC Type certificate is released after the positive result of the conformity assessment of the Council Directive 94/9/CE and to harmonized technical standard EN 60079-0:2009; EN 60079-1:2007; EN 60079-31:2009 performed by the notified body Eurofins-Modulo Uno SpA, and reported in the assessment report above cited.

Individual test

When the equipment is constructed for the range of ambient temperature different from between -20°C and +85°C, in compliance with the clause 16.3.1 od EN 60079-1, the manufacturer must carried out the individual pressure test on the enclosure with a minimum pressure of:

Enclosure	Pressure test [bar]
Main	8
Upper	15

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 [14] **SUPPLEMENT N.1 AT EC TYPE EXAMINATION CERTIFICATE N. EUM1 12 ATEX 0789**
[18] Descriptive Documents

The equipment object of this supplement is described by the following documents.
 The documents scheduled, indicated with the symbol "Y", can not be changed without the express permission of the notified body.

Document	Name	Rev.	Date	Scheduled
Cable glands Datasheet	Ex cable glands	--	-	-
Loctite Datasheet	3M VHB 4611	-	06/2011	-
Glass Datasheet	Eurofloat	-	-	-
Battery Datasheet	MP 174565 Integration	-	-	-
Gasket Datasheet	Datasheet guarnizione	-	-	-
Paint Datasheet	Alesta AP AE80015500220	-	10/04/2012	-
	CPS-ITVC- 01	0	16/10/2012	-
Mechanical drawings	AITVC000HE0	2	14/02/2014	-
	AITVCCPBS02	0	04/10/2012	-
	DITVCCP0EH0	0	18/04/2012	Y
	DITVCCP0010	2	04/10/2012	Y
	DITVCCP0020	1	12/07/2012	-
	DITVCCP0040	4	04/10/2012	-
	DITVCCPGN10	2	04/10/2012	-
	DITVCCPGN20	2	04/10/2012	-
	DITVCCPGN40	1	04/10/2012	-
	DITVCGC0000	1	04/10/2012	-
	DITVCGD0000	1	03/09/2012	-
	DITVCGP0000	1	03/09/2012	-
	DITVCMV0000	1	04/10/2012	-
	DITVCMV0010	1	04/10/2012	-
	DITVCPI0000	1	04/10/2012	-
	DITVCVD0000	0	18/04/2012	-
DITVCVP0000	0	18/04/2012	-	
Wiring diagrams	PowerCard Schemi	0	25/09/2012	-
	LogicCard_schemi elettrici	0	25/09/2012	-
	DisplayCard	0	25/09/2012	-
List of electrical component	Bom_preserie_Assemblatore_1	-	-	-
	Control_card_Produzione	-	-	-
	display_card_Assemblatore	-	-	-
Marking label	DITVCTRG0000	1	10/10/2012	-
Warning labels	DITVCTRG0001	0	05/10/2012	-
	DITVCTRG0002	1	11/10/2012	-
Technical note	Certificazione_Eurofin	0	-	-
Operation and Maintenance manual	Manuale_3	0	27/09/2012	-

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ANNEX[14] **SUPPLEMENT N.1 AT EC TYPE EXAMINATION CERTIFICATE N. EUM1 12 ATEX 0789**[19] **Essential Health and Safety Requirements**

Assured by compliance with harmonized standards; the evaluations of "protections against other hazards" in paragraph 1.2.7 of the annex n. II of the directive 94/9/CE is not covered by this supplement. Requirement 1.5 is not applicable because there are not ATEX protective system installed on the equipment covered by this Supplement at EC type examination certificate.

[20] **Supplement History**

This Supplement is at its first issue, it is related to constructive changes and of the insertion of an additional ambient temperature range.

[21] **Terms and conditions**

This supplement do not replace anyway the declaration of conformity nor exonerate the manufacturer from product liability. The technical documentation do not refers to others directives applicable to the equipment.

The product liability rests with the manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/EC.

The following conditions may render this supplement invalid:

- Changes in the design or construction of the product;
- Changes or amendments to the Directive;
- Changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 94/9/EC Directive.

This document is the English translation (made by the notified body) of the original document drawn in Italian; only the Italian text is legally valid.