

CERTIFICATE

EC-TYPE EXAMINATION CERTIFICATE

[1]

[2] Equipment or protective Systems intended for use in potentially explosive atmospheres

Directive 94/9/EC

[3] EC-type Examination Certificate number:

ICEPI 06 ATEX 03C026[4] Equipment: **Rotating washing heads series W, WZ, V, TW and P200**[5] Manufacturer: **OMZ S.r.l.**[6] Address: **Via Roma, 33 - 20010 S. Stefano Ticino (MI) - ITALIA**

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule of this certificate and the documents therein referred to.

[8] ICEPI S.p.A., Notified Body number 0066 in accordance with article 9 of the Council Directive 94/9/EC of 23 march 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report n° RP06A1204.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 1127-1:1997 EN 13463-1:2001 EN 13463-5:2003

[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 of this certificate.

[11] This EC-type Examination Certificate relates only to the design and construction of the specified equipment or protective system. Further requirements of this directive apply to the manufacture and supply of this equipment or protective system. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following

 **II 1GD c IIB T4**

This certificate may only be reproduced in its entirety and without any change, schedule included.

Piacenza, 18.12.2006 – Translation issued on 25.10.2010

Prepared
Gianluigi BianchiVerified
Claudio PonzinibioApproved
The Managing Director
Dott. Ing. Andrea Guido Caposito

[13]

Schedule

[14] **CERTIFICATE n. ICEPI 06 ATEX 03C026**

[15] **Description of the equipment**

The rotating washing heads series W, WZ, V, TW and P200 are designed and manufactured for the internal cleaning of vessels like tanks, cisterns, drums, etc.

The washing heads can use as washing fluid both cold and warm water, at a maximum temperature of 90 °C; the water can be added with detergents (alkaline or acid) to improve the cleaning action.

The heads series W, WZ e V are moved by the washing fluid, which, flowing in pressure from the nozzles, gives, by reaction, two rotational movements, one parallel to the head axis, and one on a plane normal to the head axis; the heads series TW are moved with the same principle, making only one rotation on a plane normal to the head axis.

The heads series P200 are moved by a pneumatic motor incorporated on the head.

Meaning of the identification code

The washing heads series W, WZ, V, TW and P200 are identified by a code as follows:

W80/250	: Double impeller head, high pressure (80, 250 bar)
W b.p.	: Double impeller head, low pressure (≤ 25 bar)
WZ150	: Double impeller head with extended rod, max. pressure 150 bar
V80/250	: Single impeller head, high pressure (80, 250 bar)
TW300.2 (3-4)	: "T" shaped head, with 2, 3 or 4 nozzles, high pressure (80, 300 bar)
TW.2 (3-4) b.p.	: "T" shaped head, with 2, 3 or 4 nozzles, low pressure (≤ 25 bar)
P200	: Head with pneumatic motor inside

Rated characteristics

Series	Rated flowrate (l/min)	Pressure (bar)
W	40 / 600	5 / 250
WZ	20 / 300	40 / 150
V	20 / 300	5 / 250
TW	20 / 600	5 / 300
P200	15 / 100	5 / 200

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[13]

Schedule

[14] **CERTIFICATE n. ICEPI 06 ATEX 03C026**

[16] **Report n. RP06A1204**

Routine verifications and tests

The Manufacturer shall carry out the routine verifications and tests necessary to assure that the apparatus manufactured complies with the below listed documentation. The Manufacturer shall also carry out a functional test, at the maximum foreseen values of pressure, flowrate and temperature.

Descriptive documents

1) – Technical File nr. DTC-W/WZV/TW/P200 (106 sheets.) Rev. 0 dated 20.11.2006

A copy of the above listed documents is kept in ICEPI's file.

[17] **Special conditions for safe use (X)**

None.

[18] **Essential health and safety requirements**

Covered by the conformity to the listed standards.

Certification validity conditions.

Validity conditions of ICEPI's certification are indicated at points 4 & 5 of the contract between Client and ICEPI.

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