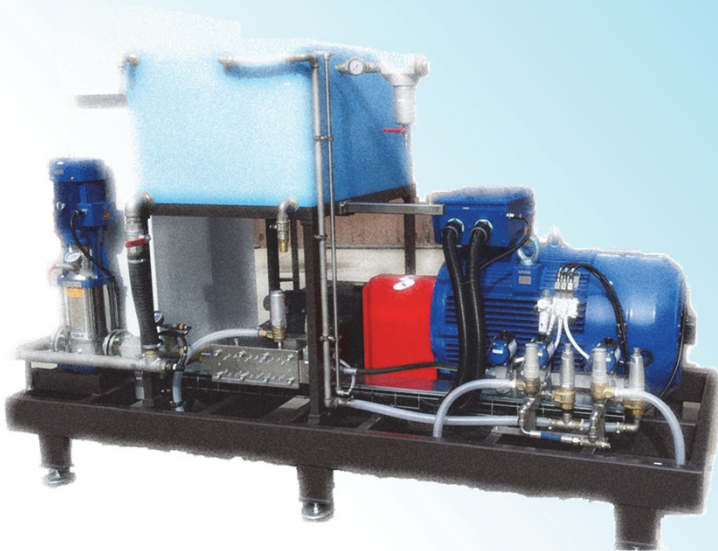


INDUSTRIAL WASHING PLANTS

MADE IN ITALY
TECHNOLOGY

INSIDE TANK CLEANING STATION





INDUSTRIAL WASHING PLANTS



Separate washing lines: for food tanks and chemical tanks.

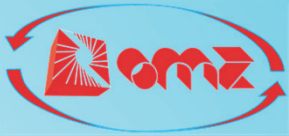




Two tank washing lines, for transporting chemical products, with: hot and cold water, steam, drying, solvent pre-treatment, with ATEX devices, washing lances for the upper and lower parts, special nozzle for washing the pipes.



Double EFTCO FOOD certified washing line, with: tank traceability, temperature and pressure detection, for each washing phase, 5 micron water and steam filtration, F9 filtration drying, 316L stainless steel washing heads, customized software, for the complete management of the programs, cost calculation and report creation, management of the washing certificate, on EFTCO forms.



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Control center, of the washing lines, from which completely to manage the activities.



Double silos washing line, with hot and cold water, detergents and dry system.



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Three food tank washing lines, located inside the Hungrana plant (Hungary).



Two lines washing tanks raw oil transport, installed in Cartagena de Indias (Colombia).



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Pellegrini Trasporti Verona (Italy). Four food and beverage tank washing tracks, for Cargill and Ferrero protocols.





Pump station for two lines, complete with: pump groups for 180 liters per minute, 110 bar, heat exchangers, for the production of hot water up to a maximum temperature of 95 ° C, high pressure metering pumps with head and piston in 316 stainless steel.



Steam production boiler from 400 to 3,000 kg / h, with a pressure of 11.5 bar



Metering pump for high pressure. With this equipment the detergents do not pass, neither through the pump units, nor through the exchangers, but directly injected into the high pressure line, at the exit from the pumping station. They are prepared to be able to vacuum, more types of detergents, with the possibility of varying the necessary percentage. Detergent selection and percentage variation, and addition time, are managed by the washing programs





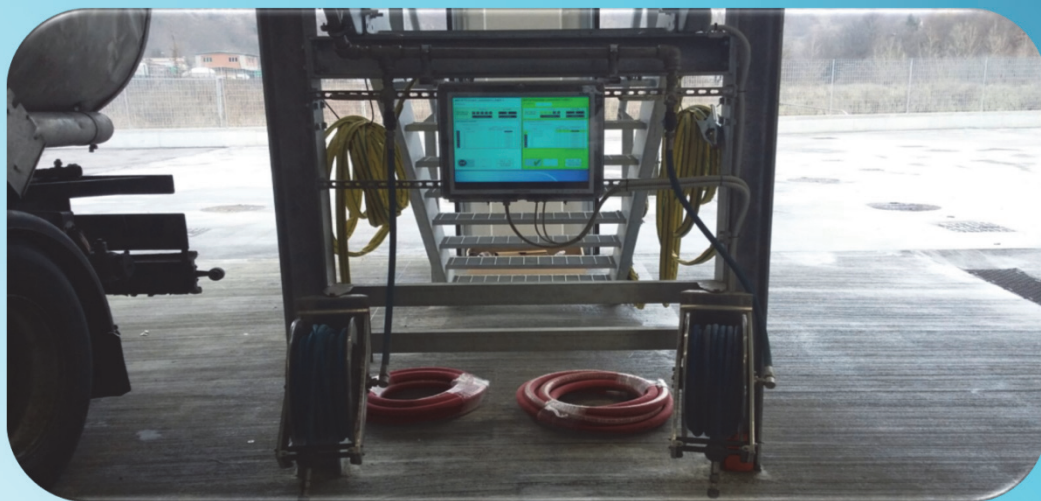
Remote control panel for the complete management of the washing system



Central control panel, complete with PLC for dialogue with the plant management system, complete with software developed by OMZ, in compliance with the directives issued by SQUAS and EFTCO. OMZ incorporates the remote assistance device in its power panels, which also allows the ownership of the washing system to see, in real time, the workstation's activities, via PC, Tablet or telephone.



Washing line complete with: Rotating heads, for washing road tanks, rotating head, for washing Tanks, anti-fall line, devices, for drying.



Screen in line, at the operator's service, to follow the succession of washing phases.



Heating and pumping station, prepared in 20 "containers, for tank washing lines, complete with: pressurized hot water generator, metering pump, steam boiler.



**The containers are installed at our headquarters and complete with:
ventilation openings, internal lighting system, stainless steel chimneys.**



**Hot air generator, for drying, complete with
stainless steel steam heat exchanger
Degree of hot air filtration, up to F9.**



INDUSTRIAL WASHING PLANTS

Omz, follows the washing plant, from design to certification of the same, according to European directive PED 2014/68/UE

ATEX

PED

ICEPI Istituto Certificazione Europea Prodotti Industriali S.p.A.
organismo notificato n. 0066

CERTIFICATE

EC-TYPE EXAMINATION CERTIFICATE

[1] Equipment or protective Systems intended for use in potentially explosive atmospheres
Directive 94/EC

[2] 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/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: **Giulio Bianchi**
Verified: **Claudio Pizzolo**
Approved: **Dot. (rs) Andrea Gallo Caputo**

PASCAL **CERTIFICATO DI ESAME UE DEL TIPO**
EU TYPE EXAMINATION CERTIFICATE
N. 00268PED270118P Rev. 0

Consorzio PASCAL s.r.l. è socio unico, quale Organismo Notificato n. 1115
Consorzio PASCAL s.r.l. è socio unico, acting as Notified Body n. 1115

ATTESTA
che il prototipo presentato da
che the prototype submitted by

FABBRICANTE MANUFACTURER **OMZ S.r.l.**
Via Roma 33 - 20010 S. Stefano Ticino (MI)

soddisfa le disposizioni dell'Allegato II, Modulo B - Tipo di produzione della Direttiva 2014/68/UE,
satisfy the requirements of Annex II, Module B - Production Type of the Pressure Equipment Directive 2014/68/UE.

INSIEME ASSEMBLY **Impianto lavaggio sistemi**
Tank washing system

Schema n. 1, Schema n. 2, Schema n. 3, Schema n. 4, Schema n. 5, Schema n. 6

6888/18
L'elenco della documentazione tecnica rilevante è riportata in appendice A.
A list of the relevant technical documentation is summarized in appendix A.

EN 4129-1:2016

LIMITI ESSENZIALI AMMISSIBILI ESSENTIAL ALLOWABLE LIMITS	LATO ACQUA CHILDE For water side	LATO VAPORE Steam side
PS (bar a)	130	11,76
TS (min/max °C)	0/180	0/180,7
Volume (L/CM)	N/A	N/A
Fluido Fluid	Acqua Water	Vapore Steam
Gruppi fluidi Fluid Group	2	2
Categoria di rischio Risk Category	II	III

CONDIZIONI DI VALIDITÀ
VALIDITY TERMS AND CONDITIONS

ACCREDITAZIONE
01/01/2008 01/02/2018 31/01/2028

QUALITY OF PRODUCTION

CE

[1] **NOTIFICA DELLA GARANZIA DELLA QUALITÀ DEL PROCESSO DI PRODUZIONE**

[2] **APPREZZAMENTO DEL SISTEMA DI GESTIONE DELLA QUALITÀ DEL PROCESSO DI PRODUZIONE**
Direttiva 2014/54/UE

[3] **NUMERO DELLA NOTIFICA:**
IMQ 15 ATEX 017 Q

[4] **PRODOTTI/COMPONENTI:** VEDERE PARAGRAFO [4.1]
MODULO DI PROTEZIONE: VEDERE PARAGRAFO [4.1]

[5] **RICHIEDENTE:** OMZ S.r.l. - Via Roma, 33 - 20010 S. Stefano Ticino (MI)

[6] **FABBRICANTE:** OMZ S.r.l. - Via Roma, 33 - 20010 S. Stefano Ticino (MI)

[7] L'IMQ, organismo notificato n° 0051, in conformità dell'articolo 17 della Direttiva 2014/54/UE del Consiglio dell'Unione Europea del 26 Febbraio 2014, notifica che il costruttore ha un Sistema di Qualità del processo di produzione conforme all'Allegato IV della Direttiva.

[8] Questa notifica è basata sul rapporto di verifica indipendente eseguito in data 17/11.2014 - 03.12.2016. Questa notifica può essere ritirata se il costruttore non rispetta più i requisiti dell'Allegato IV. I risultati delle verifiche periodiche del Sistema di Qualità sono parte di questa notifica.

[9] La presente notifica è valida fino al 20.12.2018 e può essere ritirata se il costruttore non soddisfa le verifiche periodiche di Garanzia della Qualità del processo di Produzione.

[10] In accordo con l'articolo 16 paragrafo 3 della Direttiva 2014/54/UE la marcatura CE deve essere seguita dal n° 0051 che identifica l'organismo notificato designato al controllo della Produzione.

QUESTO DOCUMENTO È COMPOSTO DA 1 PAGINA E COMPRENDE 1 ALLEGATO

IMQ

PRIMA EMISSIONE: 2015-12-21
EMISSIONE CORRENTE: 2017-02-27

ACCREDITAZIONE
01/01/2008 01/02/2018 31/01/2028

IMQ 15 ATEX 017 Q

1/2

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INDUSTRIAL WASHING PLANTS

SOME OUR REFERENCE





INDUSTRIAL WASHING PLANTS



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