

IBCs & Contact Part washers

mw[®]
TECNIPLAST GROUP

ALL ABOUT PHARMA

WITH OVER 30 YEARS OF EXPERTISE IN TURN-KEY SOLUTIONS

IWT offers a comprehensive range of cleaning, isolation, and decontamination solutions for the pharmaceutical, cell & gene, nutraceutical, cosmetic markets, and related industries.

IWT specializes in the design, development, manufacture, and installation of outstanding cGMP pharma solutions. Our manufacturing base in Varese, just a few kilometers away from Milan Malpensa International Airport, spans over 20,000 square meters (215,000 square feet) of production areas, R&D, design studios, training, testing, and showroom facilities.

Our production departments are equipped with state-of-the-art laser cutters, orbital welders, and robots for processing stainless steel parts. The warehouse, fully automated in alignment with the most stringent cGMP traceability requirements, features comprehensive oversight and management of products and materials. IWT offers in-house advanced 3D design and simulation technologies, as well as software programming capabilities to ensure complete fulfillment of any user requirements specifications, in terms of quality and flexibility.

Our comprehensive range of cleaning solutions includes full cGMP product contact part washers, as well as high-pressure washing systems for bulk containers in cleaning-in-place applications or cabins for bulk parts and containers cleaning-out-of-place.

Multipurpose modular aseptic isolation technologies are at your disposal, ranging from sterility testing to component preparation, from fill-finishing to Advanced Cell & Gene Therapies.

A decennial expertise in cold decontamination methods, decon chambers and airlock systems, ensures safe and efficient material transfer through physical barriers and differently classified areas.

Both our Isolation and Decontamination product ranges ensure complete compliance with cleanroom standards according to the new EU Annex 1 requirements.

You are always welcome to visit our facilities, to experience IWT Pharma's passion and commitment firsthand, and to witness the quality and efficiency in our daily operations.





IWT Headquarters in Casale Litta (Varese, Italy). We strive to protect our surroundings and keep our ecological footprint as small as possible.

2CLEAN

IBCs and Contact Part Washer TWO cleaning processes in ONE single unit



- ▶ Engineered to clean IBCs and contact parts from solid, semi-solid, liquid and aseptic manufacturing sites
- ▶ Modular design in compliance with the most stringent industry standards

GAMP5	✓
cGMP	✓
ASME-BPE	✓
ISPE baseline	✓
FDA (including 21CFR part11)	✓
CE marking	✓
UL listing	✓

- ▶ Multiple configurations available such as steam or electrical heating, single or double door
- ▶ Two different chamber heights (2000mm-78.7" and 2400mm-94.4") to fit various containers sizes

Minimal building and operational impact:

- ▶ Only 250mm – 10" sump requirements
- ▶ Full frontal access for maintenance (optional)
- ▶ Suitable for double bioseal barriers

Automation system:

- ▶ Cutting edge automation system GAMP5 compliant with ERES (21CFR Part11) and AUDIT TRAIL functions to guarantee full data traceability and storage
- ▶ Up to 30 fully customizable washing programs from pre-washing to drying and cooling
- ▶ PanelPC configuration for remote connectivity and INDUSTRY 4.0 integration for programs and batch data retrieval, audit trail and log files safe storage on the customer's network



Contact Parts cleaning process:

- ▶ Automatic Quick-Lock Connection
- ▶ Full in-house designing and manufacturing of customized racks

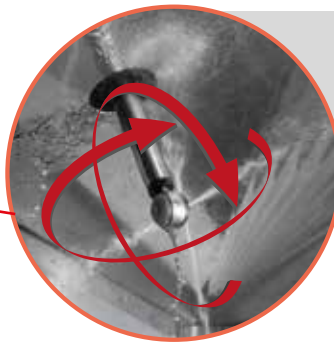


IBCs cleaning process:

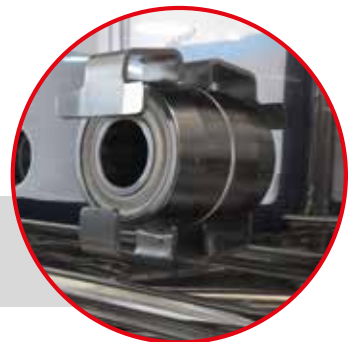
- ▶ Telescopic cGMP Hydrokinetic header to reach any internal bin surfaces
- ▶ Bottom valve coverage via dedicated in-floor spray ball

Full cGMP design, featuring:

- ▶ Variable hydrodynamic control, high washing pressure and water flow tuned around each specific application
- ▶ HEPA filtered drying system for bin, parts, chamber and piping
- ▶ Multiple water inlet and chemical dosing systems with flow meter and conductivity control
- ▶ Single Pass Rinse feature via sterile compressed air booster with final conductivity control



- ▶ 360° orbital spray patterns for complete coverage






- ▶ Patented quick lock connection via inflatable gasket

MODEL	2Clean	2Clean XL
Chamber useful dimensions W x D x H [mm – in]	1250 x 1350 x 1850 49.2 x 53.1 x 72.8	1250 x 1350 x 2250 49.2 x 53.1 x 88.6
Unit footprint W x D [mm - in]	3000 x 1600 - 118.1 x 63	
Unit height [mm – in] (in pit installation)	3000 – 118.1	3400 – 133.86
Pit requirements [mm -in]	250 – 9.8	
Sump MIN working volume [l – gal]	80 – 21.1	
Sump MAX working volume [l – gal]	150 - 39.5	

▶ Contact us for custom chamber sizes

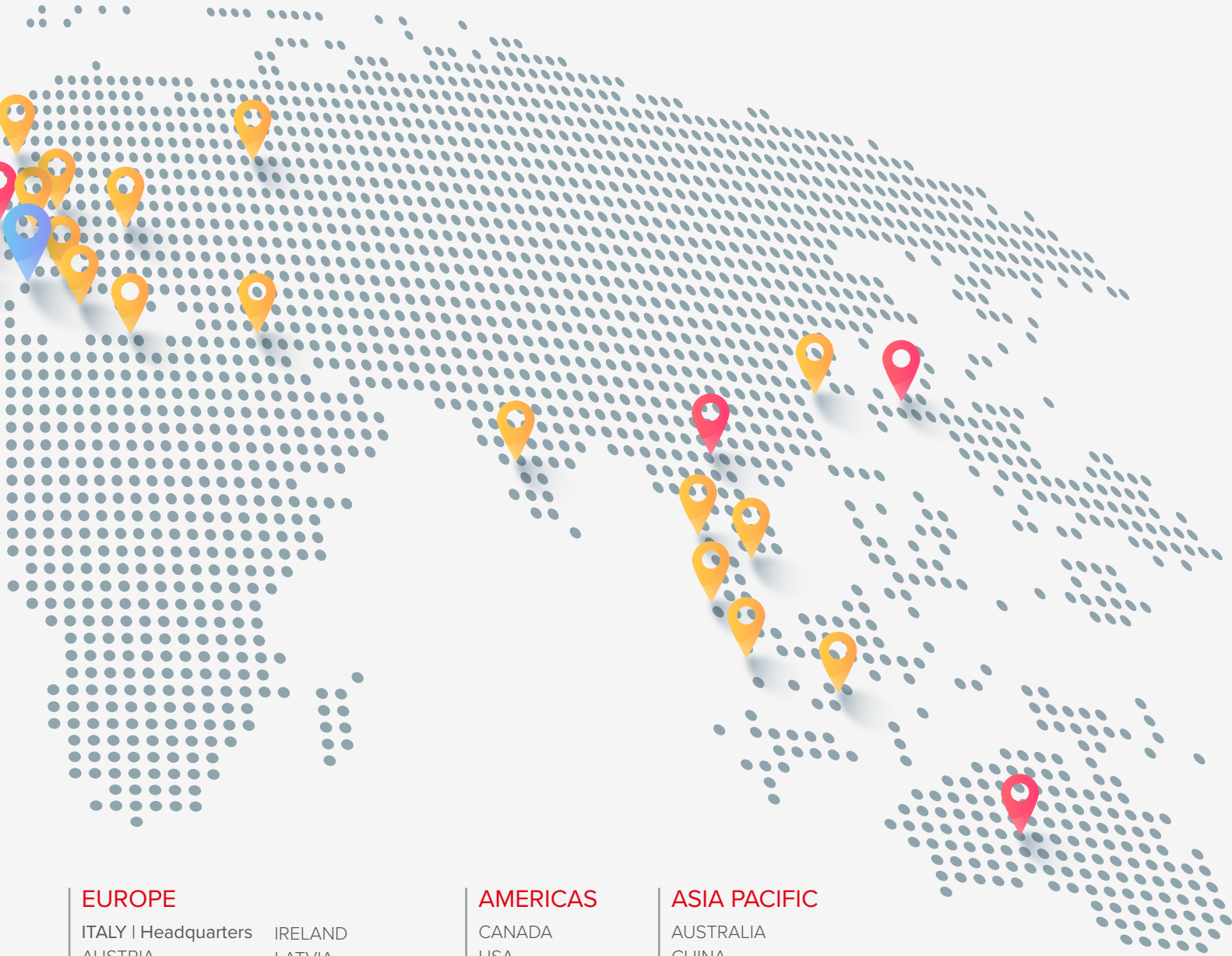
WE OPERATE LOCALLY. **WORLDWIDE.**



-  IWT Headquarters and production site
-  Group Subsidiaries and commercial offices
-  Dealers/Agents

Being a global company, as part of the Tecniplast Group, means we are well aware of the challenges the world is facing.

Our worldwide network of Subsidiaries, Dealers and Agents allows us to understand different cultures, languages and needs, thus perfectly responding to regional expectations.



EUROPE

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- VIETNAM

50+
Countries

325M
annual Group turnover

400+
installations

1,500+
employees worldwide



Contamination Control Excellence

iwt[®]
TECNIPLAST GROUP

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CAT MKTBRC00012G - Rev March 2026
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