



Free Standing and Belowground Water Recycling Systems and Wastewater Treatment

Year 2017



Company

Pragma Blue Ltd, company specialized in designing and manufacturing a complete line of water treatment systems and recycling of waste water resulting from industrial processes, car-wash, civil and residential.

Pragma Blue is part of **DATA COL** Group, company with distribution in 7 Countries, 100,000.00 euro Turnover and over 1,000 employees.

Our equipments are manufactured 100% by specialized staff inside the Altavilla Vicentina plant (Vicenza, Italy). In addition to **NWG**, the Trade Mark is **JOSEPH EGLI**, sector historical excellence in industrial medium large plants.

«Without water life would never began».

Headquarter, R&D and Manufacturing in Altavilla Vicentina (VI)



Manufacturing PRAGMA BLUE(Vicenza/Italy)

Vision

Our world needs a sustainable use of water.

The effective **cost** of water treatment to protect the environment is very high. It's the responsibility of each of us to contribute with our behaviour and skills to the preservation of such a precious resource.

Mission

Pragma Blue aims to contribute with its People, Products, Know-how and Services to the sustainability of water use by proposing solutions that optimize the use in industrial processes, thus reducing consumption and costs for its customers.

Respect for the Environment

Pragma Blue means respect for environment in every choice, from the basic one to the most important.

Therefore, for example, believes in pursuit the use of recyclable materials, 95% of suppliers are located within a radius of 10 km, the products do not use chemical processes involving the production of polluting waste.

Innovative Enterprise

Pragma Blue started the program "Pragma Open Innovation" with the aim to draw from different backgrounds the best design skills and create a working group for the activities of process innovation and project innovation.

This, combined with a corporate culture open and stretched constantly looking for new solutions has enabled the Blue Pragma to be officially included among the 100 Innovative entrepreneurial initiatives in Italy and deposit several patents.



Sales Offices at DATA COL (Verona/Italy)

Values

Pragma Blue, before being a Company, is a group of people who believe in a few simple values: transparency, respect, loyalty, integrity, simplicity, efficiency.

People

Pragma Blue is a mix of people with wide experience in water treatment systems.

The comparison of different experiences and cultures allows us to see problems from different points of view, to find new solutions and create new opportunities.

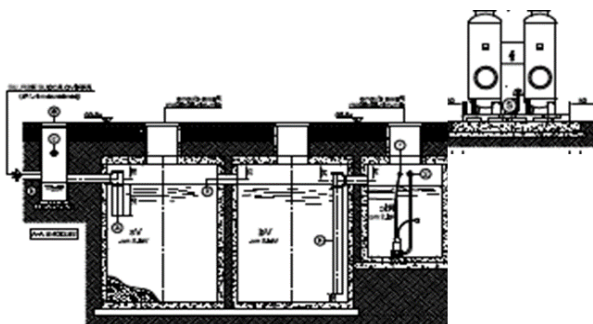
Brand

JOSEPH EGLI and **NWG**, our brands, wants to be synonymous of:

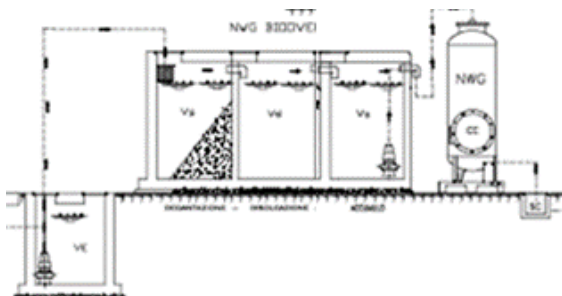
- Ecology
- Innovation
- Friendly technology
- Maximum safety

Wastewater Treatment Systems

Pragma Blue has chosen to avoid treatment systems that use chemicals to both follow their eco-friendly philosophy, both to reduce the costs for the end-user. We propose two kinds of water treatment systems: Physical Treatment and Biological System. In order to better satisfy our customers has been created then new line of FREE STANDING plants, fully installed above the ground.



Pict.1: Plant with underground tanks.



Pict.2: New plant with above ground tanks.

Sector & Segments

NWG operates in 2 Sectors and 5 Segments:

SECTOR	SEGMENT
Commercial & Industrial	Car Wash, Mechanical Industries, Garages, Corporate Fleets, etc.
	Parkings
	Agri-food
Residential	Potabilization (River, Lake, Sea)
	Rain Water Recovery, Residential Black and Grey Water treatment

R&D

We know that customer satisfaction is linked to the quality of the experience they have with our Company and our products. Therefore when we develop a new product, we do it thinking to the life cycle: Pre sale, Installation, Operation, Aftermarket, Disposal. In addition to maximum attention and care in the development and manufacture of products, Pragma Blue has a strong commitment in planning and provision of Support Services.



Underground Systems: Physical Treatment

Physical Treatment is consisting of a combined system between filtration and absorption of the water to be treated. The waste water is separated from oil, sedimented, after this mechanical processes of sedimentation and degreasing wastewater is conveyed in columns for a quartz-carbon filtration. Our filters for physical treatment are consisting of quartz and active coal which are able to filter pollutant substances respecting contact assets and speed of the water to be treated. The system can be used in biological treatment units as final treatment implemented with aeration treatment (optional) which avoids unpleasant odors caused by organic substances in decomposition.



Automatic double column QC5A



Electronic control of all functions.



Easy Interface for a better use.



Autoclean: it takes care of cleaning itself.

By setting the programming daily and hourly through the innovative control panel, the system will automatically clean filters avoiding both manual operation by the user and the risk to forget this function compromising the performance of the machine.



Service Set Up: reducing time of Maintenance

With a simple "click" the system automatically starts all the operations to allow a fast and professional maintenance.



Frost Protection System: reducing frost risk

For each stop of the charge pump, the circuits are automatically drained from the water reducing the risk of freezing and crashing of the system.



Also **manual** version is built with high quality components and ergonomics. All parts subjected to physical stresses, such as knobs, are treated metal or steel so as to ensure long durability.

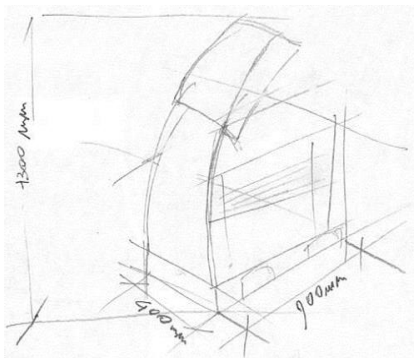
«BioDesign»

The biological treatment system "Biodesign" reinterprets and revolutionizes esthetics of the water treatment sector by offering not only an effective solution for the purification but also a **product of furniture with Distinctive Italian Design**.

With **Biological Treatment**, pollutants, collected in a special tank, are cut down naturally by means of aerobic bacteria. Purification biological and physical treatment can be combined to increase effectiveness of treatment.



Electronic Control of all functions.



Minimal **size**



Columns in carbon steel, with hatches fitted with hinge to facilitate opening and increase safety. The System is exclusive and **protected by patent**.



Sleeves hose swivel 360°.



Completely **Stainless Steel**.

«BioOver»: biological treatment, easy to install, comfortable as an appliance, equipped with MBBR Technology.

BioOver is a biological water saver **completely over the ground** with technical solutions extremely advanced included MBBR (Moving Bed Biofilm Reactor) to increase efficiency and reduce size. Underground tanks are not requested, this plant can be easily positioned and moved if necessary. **Ideal for small mechanical activities, campings, mobile sites, hand carwash.**



«FREE STANDING»

BioOver as well as QC Compact are a **biological / physical** water treatment systems **completely over the ground** with technical solutions extremely advanced. Underground tanks are not necessary, this plant can be easily positioned and moved if necessary. **Ideal for small mechanical activities, campings, mobile sites, hand carwash.**

No excavations and building works.

This plant manufactured by NWG® doesn't need underground tanks.



Need to move? No problem!

This plant has been created as a professional appliance. Consequently is very easy to remove and install in a different place.



Minimum Installation Cost

Minimal plant works. Due to the **low noise** it can be installed also inside closed rooms.



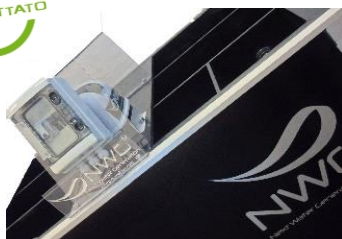
Our exclusive line «**FREE STANDING**» has been created just for your needs. In particular we offer two different kind of plant where water treatment is provided by **Biological Treatment (MBBR Technology)** or **Physical Treatment (Quartz and Active Carbon)**. Choose the best for your business!

▪ Regular use and indoor installation.

Biological Treatment is the best choice for you. In this plant after a sedimentation and a degreasing tank, residual pollutants are destroyed by aerobic bacteria. This process takes place through a MBBR (moving bed biofilm reactor) technology that allows to reduce size of the plant and achieve optimal results.



BioOver 300



Care for details and plants created to facilitate maintenance operations.



Double Bio-Reactor to ensure maximum efficiency of treatment.

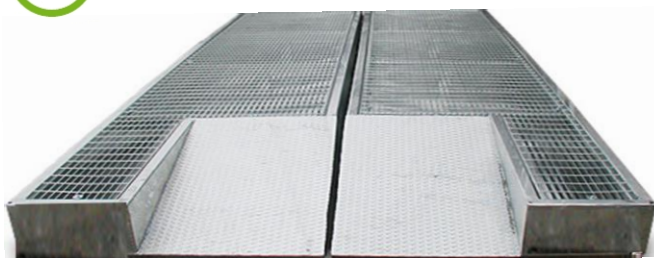
	BioOver300	BioOver 1
Nominal Capacity	0,3 m ³ /h	1 m ³ /h
Approximate dimensions (LxWxH)	1,4 x 1,1 x 1,5 mt	2,5 x 0,9 x 2 m
Installed Capacity	0,35 kW Single-phase	0,4 kW Triple-phase
Average Consumption	1,23 kW/m ³	0,4 kW/m ³

▪ Occasional use and external installation.

Physical Treatment is the best solution. Waste water is sedimented, degreased, oil is separated and finally water is filtered in a single column containing Quartz and Activated Carbon.



QC300 Compact



Our water saver can be combined with a mobile platform (RVC) for vehicle washing that collects wastewaters (optional).

	QC 300 Compact	QC 1 Compact
Nominal Capacity	0,3 m ³ /h	1 cubic m ³ /h
Approximate dimensions (LxWxH)	2,5 x 1,1 x 2,15 mt	3,6 x 1,1 x 2,15 mt
Installed Capacity	0,85 kW Single-phase	0,85 kW Triple-phase
Average Consumption	0,83 kW/m ³	0,25 kW/m ³

Tanks, Accessories, Consumables and Complements

NVG provides type of tanks that best suits different needs: above Ground or underground, in concrete or PVC, monobloc or modular as well as all the accessories and supplies to complement and for the management of the system.



Tanks, under ground.



Immersion Pumps



Blowers
and other
components



Softening Systems

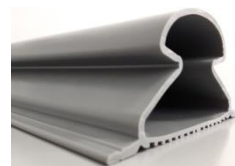


Quartz and
active **Carbon**



Chemicals

NEW FLUID STOPPER:
carwash,
buildings,
safety...



After Sales Service. We never leave you alone.

NWG develops its products with all services that will accompany them in all stages of life:

- Pre-sale (preliminary analysis of the water, choice of the most suitable, ...)
- Installation (providing the foundation drawings, service on site,...)
- After Sales (supply of Spare Parts, Maintenance, Regular analysis of water ...).

NWG recommends to subscribe an NWG maintenance contract to ensure to have:

- plants always in the best conditions of use and able to ensure compliance with the discharge parameters required by law;
- risks of stop reduced to a minimum;
- priority pass for repairs;
- fixed and budgeted costs for maintenance and repair;
- higher residual value.

In other words the serenity to be able to concentrate on your business.

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PRAGMA BLUE reserves the right to make changes without prior notice.

The business proposal is subject in all cases prior to the analysis of wastewater.

JOSEPH EGLI and NWG are registered trademark of PRAGMA BLUE srl



www.pragmablue.com

