



**PALLAS POINT OF USE RANGE.
A SAFE ACCESS TO PURIFIED
WATER.**



Water
Pallas
REVERSE OSMOSIS

POLLET WATER GROUP: THE STRENGTH OF A EUROPEAN GROUP.



With over 30 years of experience in the industry, the **Pollet Water Group** has been supplying both components and complete systems to companies specializing in the field of water treatment for residential, leisure, industrial and medical applications throughout **Europe, Africa and the Middle East**. **PWG** has selected the best components and products available on the market to supply to professionals in water treatment. **PWG** has an experienced Sales Team that can offer an accurate and reliable service from initial quotation through to delivery together with all the necessary technical support and after sales services to water treatment dealers. All these efforts throughout the years have been necessary to provide the best quality and service from manufacturer to the end user...



LISTENING THE VOICE OF CUSTOMER: THE REASON FOR A NEW RANGE OF POINT OF USE.

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After many years selling Point of Use units, the time has come to think about our product offering. For this purpose, we have combined our European sales force and have listened to what you have relayed to them and what you feel as the most important thing in your eyes. We have obtained a clear and understandable message: **Quality, Reliability and Easy Maintenance.**

For this purpose, we have closely worked with one of the most reputed company in HRO manufacturing and we have spent a lot of time and energy to define a product range in line with your requirements.

We frankly believe that we have succeeded in this area so we have applied our well-known “Pallas” brand on this new range to simply communicate it.

We have dedicated this leaflet to demonstrate it to you and to help you demonstrating to your own customers. After reading it, we are convinced you will share this feeling with us and after using our product range, hopefully increase your business with our companies. Our commitment is to continue supplying you the best product at the right price with an excellent service. This is a difficult challenge but all our employees are motivated to succeed in this task.

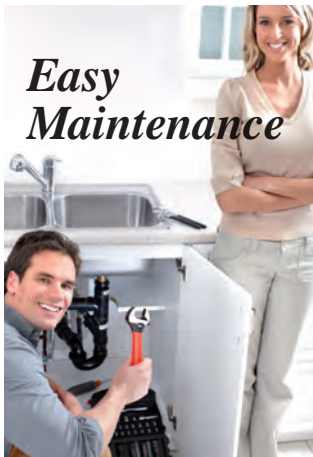
Quality



Reliability



Easy Maintenance



**DEFINE THE RIGHT
PARAMETERS TO ACHIEVE
THE BEST SOLUTION.**



Member,
Water Quality
Association



Material Safety



In-house injected components.



World class suppliers.



Corrosion free storage tank.

Quality

Media Performance



Chemical analysis of polypropylene for sediment filters.



Regular extensive carbon analysis.



NSF 58 certified RO membrane.

Component Strength



Ageing process on hard environmental conditions.



Burst & Pressure cycle.



Mechanical test.

Manufacturing process



Automatic process for critical components.



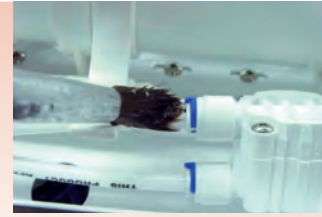
NSF external audit.



Perfect traceability based on ISO 9001 certificate.



Perfect assembly



Connected components with sealing:
100% tested under air & soap.



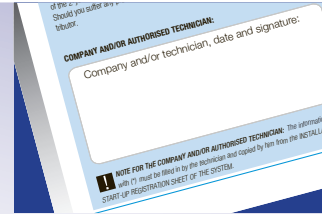
7% of the complete units air tested
after manufacturing.



External quality team for final
check after packaging.

Reliability

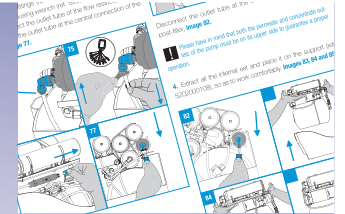
Understand Upgrade Follow up



Maintenance book to keep track of
all operations.



Customized cartridge for original
part retrofitting.



Detailed operating manual with
exploded views & part numbers.

Easy Maintenance

Range Pallas



Pallas UF



Pallas BP+UV



Pallas Ultimate

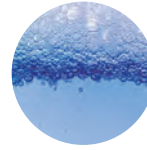
Solution

WHY DO YOU NEED TO TREAT YOUR WATER?

Water cycle: The water in the earth's biosphere is used and reused again and again and this is the main reason we do not have pure water at our tap. Despite the government efforts to treat our water, an astonishing 75000 chemical compounds could be found in our tap water. Many of these chemicals are potential harmful and can spawn health problems.



TURBIDITY is generally invisible to the naked eye but is generally present in our drinking water and caused by individual particles (clay, rock flour, silt, silica, carbonate calcium, iron, manganese, sulfur, and so on.)



COLOR-TASTE-ODOR

From the clouds to the tap, water contacts and carries many substances, including gases, minerals, and organic matter. Many of these are impurities that interfere with water use by humans



CHLORINE used usually by water utilities to disinfect water ; however when reacts with naturally organics produces trihalomethanes (THMs)



LEAD and HEAVY METALS

Coming from the water conduction through pipes and old houses installation. Lead pipes or solder and corroded brass fixtures can leach lead and heavy metals in our drinking water

TECHNOLOGIES APPLIED FOR PRECAUTIONARY PRINCIPLE ON DRINKING WATER

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Sediment filtration

MATERIAL: High quality of spun bonded polypropylene.
FILTRATION: 5 microns.
EFFECT: Remove fine particle (sand, mud, asbestos, silt and turbidity).
ACTIVE ON: Turbidity.



TURBIDITY



ECOLOGIC

1



Activated carbon

MATERIAL: Activated Coconut shell & Coal.
FILTRATION: Up to 1000 ppm of chlorine or 8316 liters.
EFFECT: Remove chlorine and organic contaminants including THMs and pesticides.
ACTIVE ON: chlorine – color – taste – odor.



CHLORINE



COLOR-TASTE-ODOR



ECOLOGIC

2





NITRATE-NITRITE

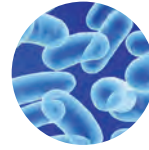
Nitrate is essential for plant growth and is often added to soil to improve productivity. Water moving down through soil after rainfall or irrigation carries dissolved nitrate with it to ground water



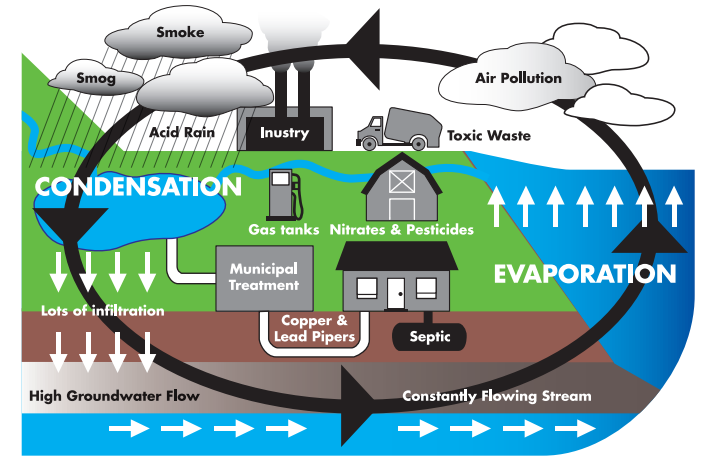
PESTICIDES present in low concentration in drinking water : WHO has evaluated 35 different kind of pesticides (mainly herbicides) readily migrated into groundwater



DRUGS Due to mass medication of the public with prescription drugs, some traces of them can be found in small amount in the drinking water supplies

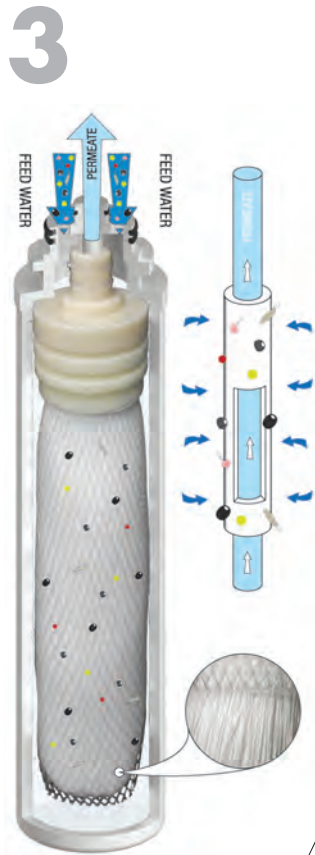


BACTERIA breakthrough in public network despite the government control due to fortuitous accident.



Ultrafiltration

MATERIAL: Polysulfone hollow fibers.
FILTRATION: 50000-80000 daltons.
EFFECT: Remove low molecular weight particle.
ACTIVE ON: Bacteria.



BACTERIA



ECOLOGIC

Reverse osmosis

MATERIAL: Polyamide membrane.
FILTRATION: 10 Angstroms – finest filtration available.
EFFECT: Remove minerals and organics.
ACTIVE ON: Bacteria, color, taste & odor, pesticides, drugs, lead and heavy metals, nitrate-nitrite.



BACTERIA



LEAD & HEAVY METALS



DRUGS



NITRATE/NITRITE



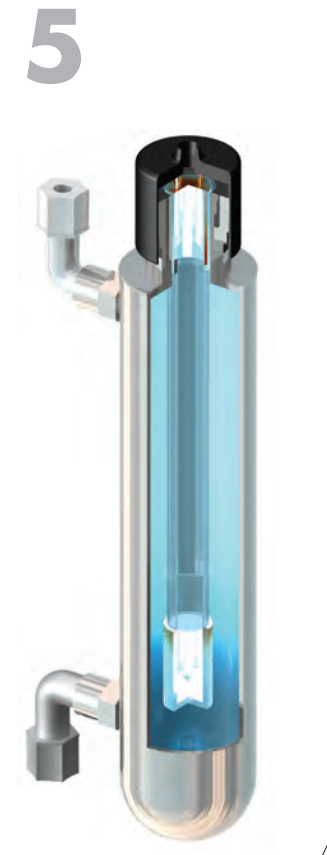
PESTICIDES



ECOLOGIC

Ultraviolet DOUBLE SECURITY

MATERIAL: Fluorescent lamp.
FILTRATION: None.
EFFECT: Kill microorganisms by changing DNA sequence.
ACTIVE ON: Bacteria.



BACTERIA



ECOLOGIC

DEAD END FILTRATION BAYONET STYLE DEVICE.

Versatile and easy solution to use separately or to combine with other water treatment devices.

Water
Pallas
REVERSE OSMOSIS

Pallas CT MONO



NO ELECTRICITY REQUIRED
CT MONO / DUO / TRIO



EASY INSTALLATION
CT MONO / DUO / TRIO



<p>CT 82 Sediment 5 microns 520200092</p>	<p>CT 83 Activated carbon 520200093</p>	<p>CT 85 Cationic resin filter 520200095</p>	<p>CT 87 Regulating pH & Remineralizing acid water 520200094</p>	<p>CT 88 Silver impregnated activated carbon filter 520200096</p>	<p>CT 89 Mixed bed resin 520200097</p>	<p>CT 90 Polyphosphate 520200098</p>	<p>CT 91 Ultrafiltration 5202000116</p>
<p> TURBIDITY</p>	<p> COLOR-TASTE-ODOR</p> <p> CHLORINE</p>	<p> REMOVE HARDNESS FROM WATER</p>	<p> INCREASE THE PH IN ACID WATER</p>	<p> COLOR-TASTE-ODOR</p> <p> CHLORINE</p>	<p> DEMINERALISATION</p>	<p> AGAINST INCRUSTATION</p>	<p> BACTERIA</p>

Pallas CT DUO

FAUCET INCLUDED



CT DUO*

Set of two cartridges filter in 5 micron sediment filter and GAC activated carbon to ensure the quality of your filtered water.

5102010007

1
Sediment Filter



TURBIDITY

2
Granulated Carbon Filter



COLOR-TASTE-ODOR



CHLORINE

Pallas UF CT TRIO

FAUCET INCLUDED



CT TRIO*

Set of two prefiltration bayonet cartridges and ultrafiltration membrane. Including assembly kit and sink tap.

5102020001

1
Sediment Filter



TURBIDITY

2
Granulated Carbon Filter



COLOR-TASTE-ODOR



CHLORINE

3
Ultrafiltration Membrane



BACTERIA

PALLAS UF (Trio)

Operating parameters

Electricity —
Pressure
High Salinity Not applicable

Water treatment efficiency

Pure Water Quality Not applicable
Eco-Friendly
Plumbing Safety

Maintenance

Cartridge replacement
Disinfection
Home Appliance
Automatic control Not applicable

Remarks

No electricity required.
Low pressure.
Do not use on brackish water.

No effect on TdS.
No waste water.
No storage tank.

Bayonet style.
Encapsulated cartridge.
Easy integrating — Good clean-ability.
—

* Standard product other configuration available on request.

**FOR CUSTOMERS MAINLY
INTERESTED IN GETTING
REVERSE OSMOSIS WATER
AT TAP.**



Pallas SO
Shut Off



Pallas PP
Permeate Pump



FAUCET INCLUDED



*Entry level to the finest
available filtration.*
5102010001



*Our eco-friendly
reverse osmosis unit
without electricity.*
5102018379

1	2	3	4	5	6
Sediment filter TURBIDITY	Granulated carbon filter COLOR-TASTE-ODOR CHLORINE	Carbon Block COLOR-TASTE-ODOR CHLORINE	RO membrane BACTERIA LEAD & HEAVY METAL NITRATE/NITRITE PESTICIDES DRUGS	Post carbon filter COLOR-TASTE-ODOR CHLORINE	Ultraviolet BACTERIA

		SO	PP	Remarks
Operating parameters	Electricity Pressure	— 	— 	No electricity required. Required 3 bar for SO and 2 bar for PP.
Water treatment efficiency	Pure Water Quality Eco-Friendly Plumbing Safety	 	 	PP with lower back pressure than SO. PP more efficient than SO. System under pressure.
Maintenance	Cartridge replacement Disinfection Home Appliance Automatic control	 Not applicable	 Not applicable	Regular cartridges. Requires special attention during maintenance and long shut down. All components in direct contact with their environment. —

Pallas BP

Booster Pump



ELECTRICITY REQUIRED

Pallas BP+AF

AUTOMATIC FLUSH



ELECTRICITY REQUIRED

Pallas BP+UV

ANTIBACTERIA
DOUBLE SECURITY



ELECTRICITY REQUIRED

Higher performance
with pump.
5102010003



Automatic flush
included to increase
the life time of the
membrane.
5102010004



A last stage for
maximum safety with
atsinfection.
5102010005



		BP	BP+AF	BP+UV	Remarks
Operating parameters	Electricity	■	■	■	–
	Pressure	■	■	■	Required 1 bar.
Water treatment efficiency	Pure Water Quality	■■■	■■■	■■■	Higher net driving pressure on the membrane.
	Eco-Friendly	■■■	■■■	■■■	Pressure switch to get quicker shut down.
	Plumbing Safety	■■■	■■■	■■■	Solenoid valve when system is shut down.
Maintenance	Cartridge replacement	■	■	■	Regular cartridges.
	Disinfection	■	■	■■■	Requires special attention during maintenance and long shut down (less sensitive on UV model).
	Home Appliance Automatic control	■	■	■	All components in direct contact with their environment.
		Not applicable	Setting of automatic flushing	Not applicable	–

SOPHISTICATED REVERSE OSMOSIS COMPACT PALLAS RANGE.

For customers who are ready to invest in a kitchen appliance combining high water treatment performance, long durability and modern design.



FAUCET INCLUDED



AGAINST CONTAMINATION



HOME APPLIANCE

Pallas CLASSIC

























The finest filtration with modern style.
5102020002

Pallas ADVANCED



Our eco-friendly reverse osmosis unit in a compact version. 5102028380

1	2	3	4	5
Sediment filter  TURBIDITY	Granulated carbon filter  COLOR-TASTE-ODOR  CHLORINE	Granulated carbon filter  COLOR-TASTE-ODOR  CHLORINE	RO membrane  BACTERIA  LEAD & HEAVY METAL  NITRATE/NITRITE  PESTICIDES  DRUGS	Post carbon filter  COLOR-TASTE-ODOR  CHLORINE

		CLASSIC	ADVANCED	Remarks
Operating parameters	Electricity Pressure	— 	— 	No electricity required. Required 3 bar for SO and 2 bar for PP.
Water treatment efficiency	Pure Water Quality Eco-Friendly Plumbing Safety			PP with lower back pressure than SO. PP more efficient than SO. System under pressure.
Maintenance	Cartridge replacement Disinfection Home Appliance Automatic control	   Not applicable	   Not applicable	Proprietary encapsulated cartridges with quick connect. Requires special attention during membrane replacement and long shut down . Well integrated inside the kitchen — Fully protected unit with a strong cabinet. —

Pallas SMART



Pallas PREMIUM



A combination of high performance and safety with leak sensor. 5102020004

Continuous performance monitoring, periodic autoflush and maintenance program with alarm. 5102020005

		SMART	PREMIUM	Remarks
Operating parameters	Electricity Pressure			– Required 1 bar.
Water treatment efficiency	Pure Water Quality Eco-Friendly Plumbing Safety			Higher net driving pressure on the membrane. Pressure switch to get quicker shut down. Solenoid valve when system is shut down + leaking sensor.
Maintenance	Cartridge replacement Disinfection Home Appliance Automatic control			Proprietary encapsulated cartridges with quick connect. Requires special attention during membrane replacement and long shut down (less sensitive on Premium model). Well integrated inside the kitchen – Fully protected unit with a strong cabinet. Premium : Leak sensor, water quality check, maintenance program and auto-flushing.



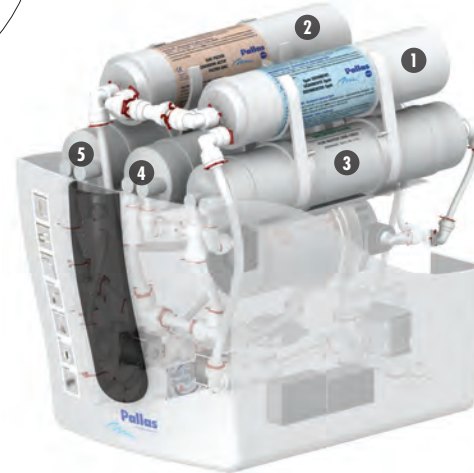
DIRECT FLOW REVERSE OSMOSIS PALLAS

For customers who consider fresh reverse osmosis water and low ecological impact as a must for purified water.



Pallas ULTIMATE DIRECT FLOW

A technology concentrate focused on performance.
5102020008



FAUCET INCLUDED



ELECTRICITY REQUIRED



WITHOUT STORAGE TANK
LOW CONTAMINATION POTENTIAL



HOME APPLIANCE



AGAINST CONTAMINATION













GREEN PRODUCT

1	2	3	4	5			
Sediment Filter	Granulated Carbon Filter	RO Membrane	RO Membrane	RO Membrane		ULTIMATE	Remarks
					Operating parameters	Electricity Pressure	— Required 1 bar.
					Water treatment efficiency	Pure Water Quality Eco-Friendly Plumbing Safety	Maximum net driving pressure on the membrane. No back-pressure. The most efficient system available in the range. Solenoid valve when system is shut down.
					Maintenance	Cartridge replacement Disinfection	Encapsulated cartridges and membranes with quick connect. A very secured unit with encapsulated membranes and cartridges and on demand RO water production.
						Home Appliance Automatic Control	Well integrated inside the kitchen – Fully protected unit with a strong cabinet. Autoflush.

RANGE PALLAS

Technical details



		ULTIMATE	PREMIUM	SMART	ADVANCED	CLASSIC	BP+UV	BP+AF	BP	PP	SO
											
Operating parameters	ELECTRICITY "PRESSURE min/max"	220 V 1bar/2.5bars	24 Vdc 2A 1bar/2.5bar	24 Vdc 2A 1bar/2.5bar	Not required 2bars/6bar	Not required 3bars/6bar	24 Vdc 2A 1bar/2.5bar	24 Vdc 1A 1bar/2.5bar	24 Vdc 1A 1bar/2.5bar	Not required 2bars/6bar	Not required 3bars/6bar
Water treatment efficiency	WATER QUALITY ECO-FRIENDLY PLUMBING SAFETY	***** ***** Solenoid valve	**** **** Solenoid Valve Leaking sensor	*** **** Solenoid valve Leaking sensor	** *** -	* * -	***** ***** Solenoid valve	***** *** Solenoid valve	***** *** Solenoid valve	** ** -	* * -
Maintenance	REPLACEMENT	Male QC cartridges & QC membranes	Male QC cartridges	Male QC cartridges	Male QC cartridges	Male QC cartridges	Regular cartridge	Regular cartridge	Regular cartridge	Regular cartridge	Regular cartridge
	DISINFECTION	Encapsulated membranes No storage tank	Encapsulated cartridge	Encapsulated cartridge	Encapsulated cartridge	Encapsulated cartridge	Double safety	-	-	-	-
	HOME APPLIANCE	Integrated cabinet	Integrated cabinet	Integrated cabinet	Integrated cabinet	Integrated cabinet	-	-	-	-	-
	AUTOMATIC CONTROL	Automatic flush	Leaking sensor Water quality detector Maintenance program Automatic flush	Leaking sensor	-	-	-	Automatic Flush	-	-	-

Reverse Osmosis



PWVG
Wm
POLLET WATER GROUP

Pallas
REVERSE OSMOSIS
Wm