



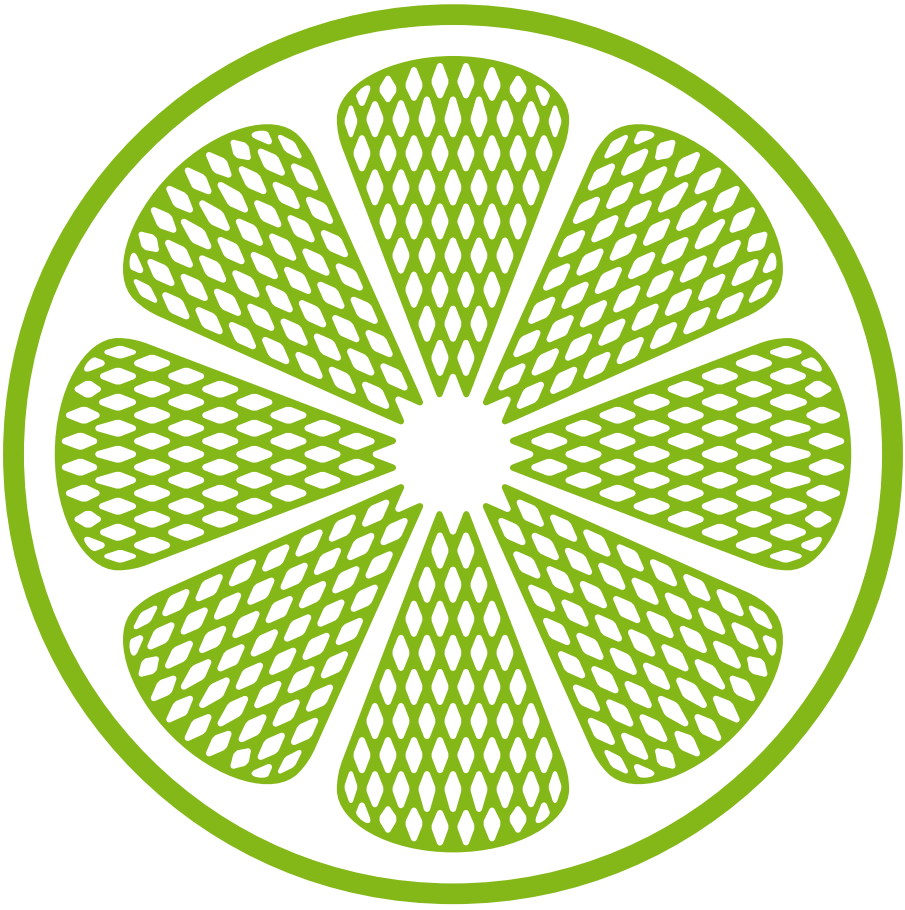
IPC

Integrated Professional Cleaning

PureWater cleaning systems windows and vertical surfaces



IPC Integrated Professional Cleaning



IPC World

IPC - Integrated Professional Cleaning - was formed in 2005 following the merger of a number of leading companies in the professional cleaning sector, each specialising in a different market segment. A Group organized in order to provide global and integrated cleaning solutions.

IPC is one of the leading worldwide groups, in size and international presence, dedicated to manufacturing machines and equipment for professional cleaning, with a broad portfolio of prestigious products and brands, each targeted to different customers, and a constant commitment to research and innovation.

IPC is oriented towards customer satisfaction with the aim of forging partnerships with all sector operators.

Research, innovation, product quality and a high level of service and efficiency are the fundamental elements of the Group's corporate culture. Business vision, a sense of belonging and reference to established best practices are the universally held people-oriented values at the heart of the entire corporate system.

The Group logo, a segment of technological lime, represents the natural link with the idea of cleanliness and a constant drive towards research and innovation. It visually and symbolically identifies the values of belonging, power and innovation typical of IPC.

GreenTube and HighPure Cleaning Systems



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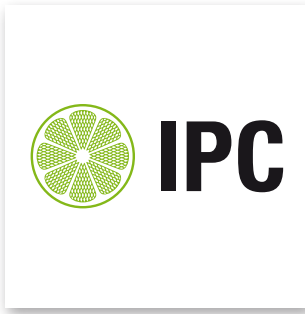
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IPC, the Cleaning Solution Provider

The IPC Group is Italy's largest group and a world leader in the manufacture of professional cleaning machines and equipment.

Well aware of the changing requirements of society and the ever more imperative need to safeguard the environment, the IPC Group has now extended its already vast range of specialist cleaning equipment with the news GreenTube and HighPure window cleaning systems, part of the HighRise system for cleaning high rise and skyscraper façades.



Efficiency and savings

The HighPure system slashes window cleaning times by up to 75% compared to conventional methods, enabling operators to clean over 200 m² of windows in just one hour, with massive savings in labour costs. It enables glazing and other non-porous surfaces (such as metal) to be cleaned, leaving them spotless and extending the life of the materials.

Some models allow two operators to use two cleaning systems simultaneously with only one machine, thus doubling productivity.



Different applications

The need for cleaning vertical surfaces is growing exponentially and the work environment is not always easy given the often inaccessible and difficult to reach heights involved.

Its flexibility makes HighPure the most effective answer currently available on the market for cleaning surfaces such as glass, solar panels, uprights, aluminium, marble and any other nonporous material.

The system of extension poles also enables obstacles such as mouldings, elements of street furniture or various other obstructions to be overcome, thus simplifying cleaning in respect of the priority aspects of safety, cost and accessibility.



IPC HighPure, ecological window cleaning

Based on the latest developments in water purification technology, IPC's HighPure is designed to satisfy two fundamental needs: firstly the need to reach windows at significant heights without having to use ladders or platforms and secondly the need to achieve perfect cleaning without the use of detergents. Windows are perfectly rinsed and remain crystal clear for longer since no chemical or salt residues are left behind.

Thanks to reduced water consumption and the elimination of all potentially pollutant chemical products, windows can be cleaned and the environment respected at the same time.

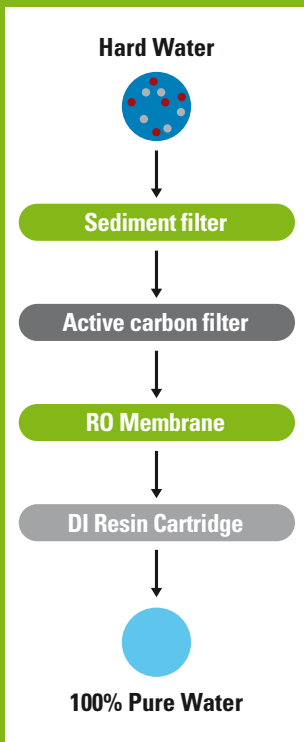
Because no detergents are involved, the waste water from the HighPure system can be used to water plants or simply disposed of in public drains.



Safety at work

With HighPure, window cleaning operations are totally safe. The equipment is operated from the ground and does not require the use of ladders, scaffolding or suspended platforms.

Extension poles and accessories let operators reach high windows easily, even over obstacles like flowerbeds, bushes or street furniture.



Exclusive four-stage purification system of IPC

IPC proposes the most effective water purification system currently available with four levels of filtering:

- Sediment pre-filter to eliminate suspended particles larger than 5 microns.
- Active carbon filter to eliminate all traces of chlorine, which could damage the reverse osmosis membrane.
- Reverse osmosis membrane to eliminate 98% of salts and other impurities.
- Deionizing resin cartridge filter to remove the remaining salts, reducing salt concentration to 0 ppm (parts per million).

The osmotic deionized water coming from this process is 100% pure and an extremely effective cleaning agent.

The better the water, the better the cleaning

Chemically speaking, thanks to its dipolar nature (ability to react with both positive and negative charges), water is an excellent solvent.

The purer the water, the greater its ability to react with the charges (positive and negative) and the more aggressive its action on the dirt and therefore its cleaning power.

Pure water acts as an extraordinary solvent able to attract and dissolve the dirt. Rinsing, again with pure water, gathers and eliminates all residues, leaving the surface absolutely clean and free from streaks or smears.



Double productivity

Two operators can work at the same time with a single machine, thanks to the high flow of water produced by the exclusive filtering system.

The productivity of the individual machine is doubled and work times are reduced, particularly on large sites. The system has its own highly manoeuvrable, lightweight and easily transportable trolley.

The trolley's wheels make movement quick and easy.



High performance

Complete with telescopic or modular extension poles, the system lets operators clean windows, uprights and vertical surfaces in general at heights of up to 15-20 metres from the ground.

The glass or carbon fibre poles are lightweight and practical to use while ensuring excellent structural strength.

The connection system for the modular poles is the fastest and most practical available on today's market.



Practicality and flexibility

HighPure comes with two types of power supply, one battery and one mains (230V), to cater for all operating needs.

The PureWater system comes equipped with a range of accessories designed to achieve effective cleaning under all conditions: poles and brushes in different sizes and materials guarantee superb results and make the cleaner's work easier.

GreenTube GTO



Technical features

GreenTube is a 100% pure water generator with 4 filtration stages:

- Sediment and carbon filter, to removes solid particles larger than 5 microns and the chlorine.
- Reverse osmosis membrane, to removes up to 98% of impurities and salts.
- Deionizing resin cartridge, to removes the balance of the dissolved solids, giving salt concentration to 0 ppm (parts per million). The osmotic deionized water produced is 100% pure.

Supplied with

- Filter set: sediment/carbon filter, reverse osmosis membrane, deionizing resin cartridge.
- 15 m hose for conveying the pure water.
- TDS (Total Dissolved Solids) water hardness meter, measures the quantity of dissolved substances in the water (in ppm).
- Hose to convey the waste water from the reverse osmosis membrane.

GreenTube	GTO
Technical features	
Power supply	-
Water in/out connections	3/4" GAS
Total dimensions	33x28x145 cm
Weight	12,7 Kg
4 stage filter system	Sediment filter
	Active carbon filter
	Reverse osmosis membrane
	Deionizing resin cartridge
Operating characteristics	
Pure water flow	Water supply
Operating pressure	System pressure
Maximum working height*	10 m with one pole*
m ² /h	Up to 80 m ² /h

*Purely indicative, depending on the pressure of the mains water supply.

Utilization

Product details



TDS



Ergonomic



Easy to be transported

GreenTube GTE



Technical features

GreenTube is a 100% pure water generator with 4 filtration stages:

- Sediment and carbon filter, to removes solid particles larger than 5 microns and the chlorine.
- Reverse osmosis membrane, to removes up to 98% of impurities and salts.
- Deionizing resin cartridge, to removes the balance of the dissolved solids, giving salt concentration to 0 ppm (parts per million). The osmotic deionized water produced is 100% pure.

Supplied with

- Filter set: sediment/carbon filter, reverse osmosis membrane, deionizing resin cartridge.
- 15 m hose for conveying the pure water.
- TDS (Total Dissolved Solids) water hardness meter, measures the quantity of dissolved substances in the water (in ppm).
- Hose to convey the waste water from the reverse osmosis membrane.

GreenTube	GTE
Technical features	
Power supply	Electric motor 230 V - 0.25 kW
Water in/out connections	3/4" GAS
Total dimensions	33x41x145 cm
Weight	23,4 kg
4 stage filter system	Sediment filter
	Active carbon filter
	Reverse osmosis membrane
	Deionizing resin cartridge
Operating characteristics	
Pure water flow	2-4 l/min
Operating pressure	up to 5 bar
Maximum working height*	15 m with one pole*
m ² /h	Up to 100 m ² /h

*Purely indicative, depending on the pressure of the mains water supply.

Utilization

Product details



TDS



Ergonomic



Easy to be transported



Front feet for added stability

HighPure HPO



Technical features

HighPure is a water purifier with four filter stages:

- Sediment filter to removes all solid particles larger than 5 microns.
- Active carbon filter to remove the chlorine which would otherwise damage the reverse osmosis membrane.
- Reverse osmosis membrane to remove up to 98% of impurities and salts.
- Deionizing resin cartridge to remove the balance of the dissolved solids, reducing salt concentration to 0 ppm (parts per million). The osmotic deionized water produced is 100% pure.

Supplied with

- Filter set: sediment filter, active carbon filter, reverse osmosis membrane, deionizing resin cartridge.
- Fast-lock filter replacement kit.
- 30 m hose to convey the pure water with flow regulation valve.
- TDS (Total Dissolved Solids) water hardness meter, measures the quantity of dissolved substances in the water (in ppm).
- Hose to convey the waste water from the reverse osmosis membrane.

HighPure HPO without pumping system

Technical features

Power supply	-
Water in/out connections	3/4" GAS
Total dimensions	53x50x127 cm
Weight (with dry filter)	32 kg
4 stage filter system	1 Sediment filter
	1 Active carbon filter
	1 Reverse osmosis membrane
	1 Deionizing resin cartridge
Pressure gauge	X
Flow meter	X
Flow regulation valve	X

Operating characteristics

Pure water flow	Mains power supply
Operating pressure	Mains power supply
Maximum working height	10 m with one pole*
m ² /h	Up to 150 m ² /h

*Purely indicative, depending on the pressure of the mains water supply.

Utilization

Product details



Ergonomic trolley



Flush valve



Pressure gauge and flow meter.



Flow regulation valve



Relief valve

HighPure HPB



HighPure HPB with pumping system (Battery)

Technical features

Power supply	Gel Battery 12 V - 33 Ah
Water in/out connections	3/4" GAS
Total dimensions	53x50x127 cm
Weight (with dry filter)	35 kg (without battery)
4 stage filter system	1 Sediment filter
	1 Active carbon filter
	1 Reverse osmosis membrane
	1 Deionizing resin cartridge
Pressure gauge	X
Flow meter	X
Flow regulation valve	X
Operating characteristics	
Pure water flow	2 - 5 l/min
Operating pressure	4 - 5 bar
Maximum working height	20 m with one pole
m ² /h	Up to 200 m ² /h

Utilization

Technical features

HighPure is a water purifier with four filter stages:

- Sediment filter to removes all solid particles larger than 5 microns.
- Active carbon filter to remove the chlorine which would otherwise damage the reverse osmosis membrane.
- Reverse osmosis membrane to remove up to 98% of impurities and salts.
- Deionizing resin cartridge to remove the balance of the dissolved solids, reducing salt concentration to 0 ppm (parts per million). The osmotic deionized water produced is 100% pure.

Supplied with

- Filter set: sediment filter, active carbon filter, reverse osmosis membrane, deionizing resin cartridge.
- Fast-lock filter replacement kit.
- 30 m hose to convey the pure water with flow regulation valve.
- TDS (Total Dissolved Solids) water hardness meter, measures the quantity of dissolved substances in the water (in ppm).
- Hose to convey the waste water from the reverse osmosis membrane.

Accessories

- Gel battery, 12V-33Ah.
- Battery charge 12V.

Product details



Ergonomic trolley



Flush valve



Pressure gauge and flow meter.



Pump relief safety valve



Flow regulation valve



Relief valve with internal recirculation

HighPure HPE



Technical features

HighPure is a water purifier with four filter stages:

- Sediment filter to remove all solid particles larger than 5 microns.
- Active carbon filter to remove the chlorine which would otherwise damage the reverse osmosis membrane.
- Reverse osmosis membrane to remove up to 98% of impurities and salts.
- Deionizing resin cartridge to remove the balance of the dissolved solids, reducing salt concentration to 0 ppm (parts per million). The osmotic deionized water produced is 100% pure.

Supplied with

- Filter set: sediment filter, active carbon filter, reverse osmosis membrane, deionizing resin cartridge.
- Fast-lock filter replacement kit.
- 30 m hose to convey the pure water with flow regulation valve.
- TDS (Total Dissolved Solids) water hardness meter, measures the quantity of dissolved substances in the water (in ppm).
- Hose to convey the waste water from the reverse osmosis membrane.

Accessories

- Y-valve with taps to regulate flow (for the simultaneous use of two poles).

HighPure HPB with pumping system

Technical features

Power supply	Electric motor 230 V - 0.25 kW
Water in/out connections	3/4" GAS
Total dimensions	53x50x127 cm
Weight (with dry filter)	45 kg
4 stage filter system	1 Sediment filter
	1 Active carbon filter
	1 Reverse osmosis membrane
	1 Deionizing resin cartridge
Pressure gauge	X
Flow meter	X
Flow regulation valve	X
Operating characteristics	
Pure water flow	2 - 6 l/min
Operating pressure	6 - 7 bar
Maximum working height	20 m with two poles
m ² /h	Up to 200 m ² /h

Utilization

Product details



Ergonomic trolley



Flush valve



Pressure gauge and flow meter.



Pump relief safety valve



Y valve and flow regulation valve



Relief valve with internal recirculation

HighPure HPG



HighPure HPG without pumping system	
Technical features	
Power supply	-
Water in/out connections	3/4" GAS
Total dimensions	53x50x127 cm
Weight (with dry filter)	49 kg
4 stage filter system	1 Sediment filter
	1 Active carbon filter
	1 Reverse osmosis membrane
	1 Deionizing resin cartridge
Pressure gauge	X
Flow meter	X
Flow regulation valve	X
Operating characteristics	
Pure water flow	3 - 7 l/mm
Operating pressure	7 - 8 bar
Maximum working height	20 m with two poles
m ² /h	Up to 200 m ² /h

Utilization

Technical features

HighPure is a water purifier with four filter stages:

- Sediment filter to removes all solid particles larger than 5 microns.
- Active carbon filter to remove the chlorine which would otherwise damage the reverse osmosis membrane.
- Reverse osmosis membrane to remove up to 98% of impurities and salts.
- Deionizing resin cartridge to remove the balance of the dissolved solids, reducing salt concentration to 0 ppm (parts per million). The osmotic deionized water produced is 100% pure.

Supplied with

- Filter set: sediment filter, active carbon filter, reverse osmosis membrane, deionizing resin cartridge.
- Fast-lock filter replacement kit.
- 30 m hose to convey the pure water with flow regulation valve.
- TDS (Total Dissolved Solids) water hardness meter, measures the quantity of dissolved substances in the water (in ppm).
- Hose to convey the waste water from the reverse osmosis membrane.

Accessories

- Y-valve with taps to regulate flow (for the simultaneous use of two poles).

Product details



Ergonomic trolley



Flush valve



Pressure gauge and flow meter.

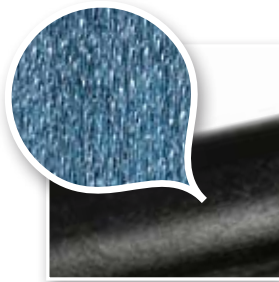


Flow regulation valve + Y



Relief valve

Modular poles



Innovative materials

- Carbon fibre poles.
- Rigid with high mechanical resistance.
- Ultra lightweight.



Quick Lock rapid coupling system

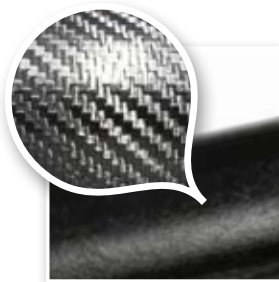
- Safe lock system.
- Quick and practical to use.



Caddy

- Easy transport and practical storage.

Telescopic poles



Innovative materials:

- Poles in glass fibre, carbon fibre and fusion (glass fibre + carbon fibre).
- Excellent mechanical characteristics.
- Tough and flexible.



Telescopic connection

- Quick and practical pole extension action.
- Safe lock system.

Accessories

- Nylon brush, 28 or 36 cm
- Goosenecks with adjustable angle, 5 or 25 cm

Accessories



Speed Brush



- Designed to glide on glass with less fatigue allowing you to clean longer, be more productive, clean faster all while still getting the great performance you expect
- Specifically engineered soft synthetic bristles “flare out” (35 cm and 45 cm width) to glide on the window ensuring all corners and edges are cleaned without damaging window frames
- Flared bristles prevent brush block hitting the frame and reducing noise for building occupants
- Also available in natural bristles for more water retention and a more aggressive scrub
- Available in single zero degree or with both dual spray zero degree and fan nozzles:
 - Zero degree is preferred by many because it allows for controlled rinsing within the frames
 - Fan nozzles utilize a unique angle spray that allows for getter rinsing of hydrophobic windows but with much improved control for rinsing



Traditional brushes

Stiff nylon bristles suitable on heavy dirt (provided in standard equipment with telescopic poles)



Microfiber mop kit

with pure water spray nozzles included. Suitable both for window and photovoltaic cleaning



Adjustable goosenecks

- Available both in reinforced plastic and in aluminum
- Available in different lengths, from 5 cm to 40 cm





Double brush adaptor







- Enables operator to use 2 Speed Brushes side by side at the same time, cutting cleaning time in half
- Can be used with synthetic or natural bristle Speed Brushes
- Available in 3 different sizes of goosenecks, 10 cm, 20 cm and 40 cm all adjustable aluminum goosenecks
- Suitable both for big window surfaces and photovoltaic cleaning
















Back Scrub

- Useful on the prevent removal of heavy dirt
- Directly mounted on the aluminum adjustable goosenecks
- Usable with different kind of washer sleeves
- Easy to use and control at different heights

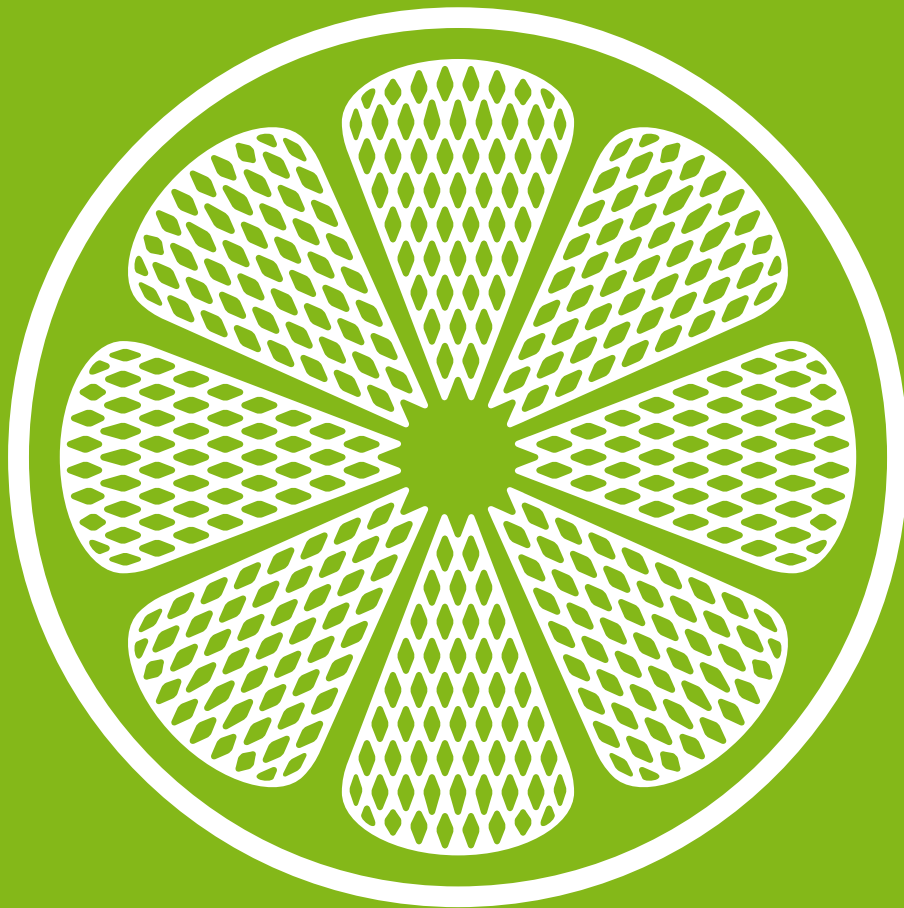
	Code	Model	Technical features	Price €
GreenTube models				
	APTA40008	GTO	4 stages purification system (reverse osmosis and deionization), filter set (FTAC40002 and KTRI40147), 15 m flexible hose (TBFX40008) and hand held TDS meter (AZMC40006)	
	APTA40009	GTE	4 stages purification system (reverse osmosis and deionization) with electric hydro pump module (230V), filter set (FTAC40002 and KTRI40147), 15 m flexible hose (TBFX40008) and hand held TDS meter (AZMC40006)	
HighPure models				
	APTA40000	HPO	4 stages purification system (reverse osmosis and deionization), filter set (FTAC40002 and KTRI40106), 30 m flexible hose (TBFX40004) and hand held TDS meter (AZMC40006)	
	APTA40001	HPB	4 stages purification system (reverse osmosis and deionization) with battery hydro pump module, filter set (FTAC40002 and KTRI40106), 30 m flexible hose (TBFX40004) and hand held TDS meter (AZMC40006) (Note: Battery and battery charger not included, to purchase separately cod. BAAC40000 and BACA40002)	
	APTA40002	HPE	4 stages purification system (reverse osmosis and deionization) with electric hydro pump module (230V), filter set (FTAC40002 and KTRI40106), 30 m flexible hose (TBFX40004) and hand held TDS meter (AZMC40006)	
	APTA40012	HPG	5 stages purification system (reverse osmosis and deionization) with endothermic motor pump (4 HP), filter set (FTAC40002 and KTRI40106), 30 m flexible hose (TBFX40004) and hand held TDS meter (AZMC40006)	

	Code	Technical features	Price €
GreenTube accessories			
	KTRI40147	Filter set: 1 sediment/carbon filter, 1 deionizing resin cartridge	
	TBFX40008	15 m flexible pure water hose with fittings	
HighPure accessories			
	BAAC40000	12 V, 33 Ah gel battery (for HighPure battery model only APTA40001)	
	BACA40002	12 V battery charger (for HighPure battery model only APTA40001)	
	KTRI40106	Filter set: 1 sediment filter, 1 carbon filter, 1 deionizing resin cartridge	
	TBFX40004	30 m flexible pure water hose with fittings	
	KTRI40112	Y valve	
GreenTube-HighPure accessories			
	FTAC40002	RO membrane	
	AZMC40006	Hand held TDS meter	
	VVSF40011	Flow regulation valve	
	CNPR40007	Gasket lubricant	

	Code	Model	Technical features	Price €
Quick Lock carbon fibre modular poles				
	KTRI40240	Quick Lock 10	10 m carbon fibre sectional poles set: 6 section of 1,5 m (LCPR40022), 1 section of 0,75 m (LCPR40083), 1 flexible hose of 20 m with fittings (TBFX40003) and caddy (MPVR40229) (N.B. Gooseneck and brush not included)	
	KTRI40241	Quick Lock 16	16 m carbon fibre sectional poles set: 10 section of 1,5 m (LCPR40022), 1 section of 0,75 m (LCPR40083), 1 flexible hose of 20 m with fittings (TBFX40003) and caddy (MPVR40229) (N.B. Gooseneck and brush not included)	
Telescopic poles				
	LCPR40019	PGG07	6 m glass fibre telescopic pole with 5 cm adjustable plastic gooseneck (RCVR40048), 28 cm nylon brush (SPID40004) and flexible hose with fittings	
	LCPR40020	PGC12	10,5 m fusion (glass fibre + carbon fibre) telescopic pole with 5 cm adjustable plastic gooseneck (RCVR40048), 28 cm nylon brush (SPID40004) and flexible hose with fittings	
	LCPR40021	PCC15	13,5 m carbon fibre telescopic pole with 25 cm adjustable plastic gooseneck (RCVR40070), 36 cm nylon brush (SPID40005) and flexible hose with fittings	

	Code	Technical features	Price €
Quick Lock modular poles accessories			
	LCPR40022	1,5 m carbon fibre section	
	LCPR40083	0,75 m carbon fibre section	
	MPVR40229	Caddy	
	TBFX40003	20 m flexible hose with fittings	
Quick Lock carbon fibre modular poles and Telescopic poles accessories			
	SPID40004	28 cm nylon brush	
	SPID40005	36 cm nylon brush	
	SPID40006	35 cm nylon brush with 0° nozzles	
	SPID40007	35 cm nylon brush with dual nozzles 0° and 25°	
	SPID40012	45 cm nylon brush with dual nozzles 0° and 25°	
	SPID40008	35 cm natural bristles brush with 0° nozzles	
	SPID40009	35 cm natural bristles brush with dual nozzles 0° and 25°	
	RCVR40048	5 cm adjustable plastic gooseneck	
	RCVR40070	25 cm adjustable plastic gooseneck	

PureWater cleaning systems





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