

# PureWater cleaning system Windows and vertical surfaces



**IPC**

Integrated Professional Cleaning







Pure Water Cleaning System  
Window and vertical surfaces

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**IPC**

## 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 new 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 m<sup>2</sup> 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

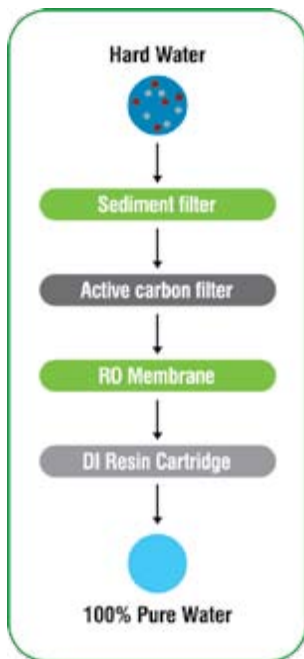
Based on the latest developments in water purification technology, IPC's HighPure is designed to satisfy two fundamental needs: firstly the need to reach windows at significant heights without having to use ladders or platforms and secondly the need to achieve perfect cleaning without the use of detergents. 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



Product Code: APTA40008

Product Code: APTA40009

## 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.
- 15mt hose 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.

## GreenTube GTO

Operating characteristics
Pure water flow Water supply
Operating pressure System pressure
Maximum working height* 10 mt with one pole*
m <sup>2</sup> /h 200 m <sup>2</sup> /h
Technical features
Hose length 15 mt for conveying the water
Total dimensions 33 x 28 x 145 cm
Weight 12,7 Kg
4 stage filter system Sediment filter Active carbon filter Reverse osmosis membrane Deionizing resin cartridge

## GreenTube GTE

Operating characteristics
Pure water flow 2,4 l/min
Operating pressure up to 5 bars
Maximum working height* 15 mt with one pole*
m <sup>2</sup> /h 200 m <sup>2</sup> /h
Technical features
Hose length 15 mt for conveying the water
Power supply Electric motor 230 v - 0.25 kw
Total dimensions 33 x 41 x 145 cm
Weight 23,4 Kg
4 stage filter system Sediment filter Active carbon filter Reverse osmosis membrane Deionizing resin cartridge

## Products details



### Utilization



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

# High Pure HPO

Product Code: APTA40000



## 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.
- 30mt 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

### Operating characteristics

Pure water flow  
Mains power supply

Operating pressure  
Mains power supply

Maximum working height\*  
10 mt with one pole\*

m<sup>2</sup>/h  
200 m<sup>2</sup>/h

### Technical features

Water in/out connections  
3/4" GAST

Total dimensions  
53 x 50 x 127 cm

Weight  
32 kg

4 stage filter system  
1 Sediment filter  
1 Active carbon filter  
1 Reverse osmosis membrane  
1 Deionizing resin cartridge

## Products details



Ergonomic trolley



Flush valve



Pressure gauge and flow meter.



Flow regulation valve



Relief valve

### Utilization



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

# High Pure HPB

Product Code: APTA40001



## 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.
- 30mt 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.

## HighPure HPB without pumping system

### Operating characteristics

Pure water flow  
2 - 5 l/min

Operating pressure  
4 - 5 bar

Maximum working height\*  
20 mt with one pole\*

m<sup>2</sup>/h  
200 m<sup>2</sup>/h

### Technical features

Water in/out connections  
3/4" GAST

Power supply  
Gel Battery / 12 v - 33 Ah

Total dimensions  
53 x 50 x 127 cm

Weight  
55 kg

4 stage filter system  
1 Sediment filter  
1 Active carbon filter  
1 Reverse osmosis membrane  
1 Deionizing resin cartridge

## Products details



Ergonomic trolley



Flush valve



Pressure gauge and flow meter



Pump relief safety valve



Flow regulation valve



Relief valve with  
internal recirculation

### Utilization





# High Pure HPE

Product Code: APTA40002



## 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.
- 30mt 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 HPE without pumping system

### Operating characteristics

Pure water flow  
2 - 6 l/min

Operating pressure  
6 - 7 bar

Maximum working height\*  
20 mt with one pole\*

m<sup>2</sup>/h  
200 m<sup>2</sup>/h

### Technical features

Water in/out connections  
3/4" GAST

Power supply  
Electric motor / 230 v - 0.25 kw

Total dimensions  
53 x 50 x 127 cm

Weight  
55 kg

4 stage filter system  
1 Sediment filter  
1 Active carbon filter  
1 Reverse osmosis membrane  
1 Deionizing resin cartridge

## Products 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

### Utilization



# High Pure HPG

Product Code: APTA00012



## 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.
- 30mt 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 HPG

### Operating characteristics

Pure water flow  
5 - 7.5 l/min

Concentrate flow rate  
3 lpm

Concentrate Recirculation  
Yes

Pump  
15 lpm @ 160 psi feed pump

Power  
Honda\* Gas powered industrial  
engine 4 hr run time/tank

RO Membranes  
10 cm dia x 100 cm length

Working hose length  
30 mt Yellow

Size - Weight  
58 kg



Honda\* Petrol powered engine



Flush valve



Pressure gauge and flow meter.



Pump relief safety valve



Relief valve with  
internal recirculation

# Modular Poles

Product Code: MPVR40229



## Modular quick lock poles

Material:  
Carbon fibre

Length:  
0,75 mt - 1,5 mt (section)

Reach:  
Variable

## Supplied with

Brush adapter

Water hose with connections

Caddy

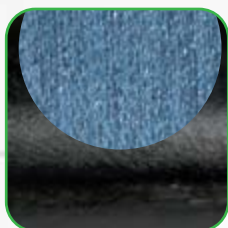
## Accessories

Nylon brush, 30 or 40 cm

Bristle brush, 30 or 40 cm

Gooseneck 30, 60 or 90 cm

\*For more info about accessories  
refer page 10



### 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.



### Natural bristle and nylon brushes

- Extra soft natural bristles, improved adherence to the surface, high cleaning power.
- Nylon brushes, harder and tougher, effective on heavy dirt.

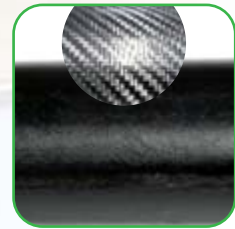


### Goosenecks

- Various sizes 30cm, 60cm, 90cm
- Light alloy, very tough.



# 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.



## Nylon brushes

- Perfect for large surfaces
- Effective on heavy dirt



## Gooseneck

- Goosenecks with adjustable angle, 5 and 25cm

Product Code: LCPR40019

Telescopic pole 6 mt
Material Glass fibre
Length 6 mt
Reach 7,1 mt
Supplied with
Nylon brush, 28 or 36 cm
Goosenecks with adjustable angle, 5 or 25 cm
Water hose with connections

Product Code: LCPR40020

Telescopic pole 10,5 mt
Material Glass fibre + Carbon fibre
Length 10,5 mt
Reach 11,6 mt
Supplied with
Nylon brush, 28 or 36 cm
Goosenecks with adjustable angle, 5 or 25 cm
Water hose with connections

Product Code: LCPR40021

Telescopic pole 13,5 mt
Material Carbon fibre
Length 13,5 mt
Reach 14 ,6 mt
Supplied with
Nylon brush, 28 or 36 cm
Goosenecks with adjustable angle, 5 or 25 cm
Water hose with connections

# Speed Brush

Product Code: SBZ



## Speed brush

Product code: SBZ  
14" Speed brush

Product code: SBZN  
14" Natural fiber speed brush

Product code: SBDS  
14" Speed brush w/dual  
spray nozzles

## Technical features

- The first brush designed specifically for cleaning glass (Not a converted truck wash 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" 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.
- Utilizes more surface area of the bristles to reduce brush strokes compared to brushes which clean only with the tips of their bristles.
- Designed to hold water between brush and glass for better cleaning without the water deflection of other brushes and allowing for prolonged use of the water.
- Also available in natural bristles (boars hair) for more water retention and a more aggressive scrub.



## Speed brush

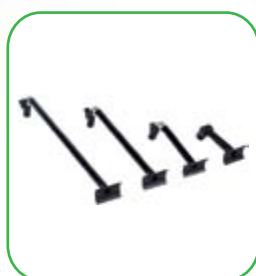
Product code: SBNDS  
14" Natural fiber speed brush w/  
dual spray nozzles



## Brush adapter

Product code: BD555013-ASM  
2" Brush adapter w/Euro threads

Product code: BSTB10  
Back scrub T-bar kit w/10"  
microtiger sleeve



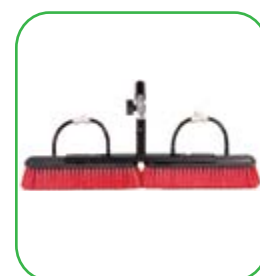
## Gooseneck

Product code: GN4  
4" Gooseneck, adjustable plastic

Product code: GN8  
8" Gooseneck, adjustable aluminium

Product code: GN16  
16" Gooseneck, adjustable aluminium

Product code: GN24  
24" Gooseneck, adjustable aluminium



## Double brush

Product code: DBAGN4  
26" Double brush adapter w/4"  
adjustable aluminium gooseneck

Product code: DBAGN8  
26" Double brush adapter w/8"  
adjustable aluminium gooseneck

Product code: DBAGN16  
26" Double brush adapter w/16"  
adjustable aluminium gooseneck

	Product code	Model	Technical Features
	<b>GreenTube models</b>		
	APTA40008	GTO	4 stage purification system (reverse osmosis and deionization), 15mt flexible hose, TDS water hardness meter and filter set.
	APTA40009	GTE	4 stage purification system (reverse osmosis and deionization) with electric powered pump (230v), filter set, 15mt flexible hose and TDS water hardness meter.
	<b>HighPure models</b>		
	APTA40000	HPO	4 stage purification system (reverse osmosis and deionization), filter set (FTAC40002 and KTRI40106), 30mt flexible hose (TBFX40004) and TDS water hardness meter (AZMC40006).
	APTA40001	HPB	4 stage purification system (reverse osmosis and deionization) with battery powered pump, filter set (FTAC40002 and KTRI40106), 30mt flexible hose (TBFX40004) and TDS water hardness meter (AZMC40006) Note: Battery and battery charger not included, to purchase separately codes BAAC40000 and BACA40002.
	APTA40002	HPE	4 stage purification system (reverse osmosis and deionization) with electric powered pump (220-230v), filter set (FTAC40002 and KTRI40106), 30mt flexible hose (TBFX40004) and TDS water hardness meter (AZMC40006).
	APTA40012	HPG	4 stage purification system (reverse osmosis and deionization) with petrol powered pump (220-230v), filter set (FTAC40002 and KTRI40106), 30mt flexible hose (TBFX40004) and TDS water hardness meter (AZMC40006).
	Product code		Technical Features
	<b>Quick Lock carbon fibre modular poles</b>		
	BAAC40000		12v, 33 Ah gel battery (for HighPure battery model only APTA40001).
	BACA40002		12v battery charger (for HighPure battery model only APTA40001).
	FTAC40002		RO membrane (GreenTube and HighPure).
	KTRI40106		Filter set: 1 sediment filter, 1 active carbon filter, 1 deionizing resin cartridge (HighPure).
	KTRI40147		Filter set: 1 sediment filter, 1 active carbon filter, 1 deionizing resin cartridge (GreenTube).
	AZMC40006		Hand held TDS meter (GreenTube and HighPure).
	TBFX40004		30mt flexible hose with fittings and flow regulation valve (VVSF40011).
	VVSF40011		Flow regulation valve (HighPure).
	KTRI40112		Y valve (HighPure).
	CNPR40007		Gasket lubricant (HighPure).
	Product code	Model	Technical Features
	<b>Quick Lock carbon fibre modular poles</b>		
	KTRI40111	Quick Lock 10	10mt carbon fibre modular poles set: 6 x 1.5mt sections (LCPR40022), 1 x 0.75mt sections (LCPR40023), 1 brush adapter (RCVR40027), 1 x 20mt flexible hose with fittings (TBFX40003) and caddy (MPVR40229).*
	KTRI40105	Quick Lock 16	16mt carbon fibre modular poles set: 10 x 1.5mt sections (LCPR40022), 1 x 0.75mt sections (LCPR40023), 1 brush adapter (RCVR40027), 1 x 20mt flexible hose with fittings (TBFX40003) and caddy (MPVR40229).*

\* Gooseneck and brush not included



	Product code		Technical Features
	Quick lock modular poles accessories		
	LCPR40022		1.5mt carbon fibre section.
	LCPR40023		0.75mt carbon fibre section.
	MPVR40229		Caddy.
	RCVR40027		Brush adapter.
	SPID40000		30cm nylon brush.
	SPID40001		40cm nylon brush.
	SPID40002		30cm natural bristle brush.
	SPID40003		40cm natural bristle brush.
	RCVR40028		30cm alloy gooseneck.
	RCVR40029		60cm alloy gooseneck.
	RCVR40030		90cm alloy gooseneck.
	TBFX40003		20mt flexible hose with fittings.
	Product code	Model	Technical Features
	Telescopic poles		
	LCPR40019	PGG07	6mt glass fibre telescopic pole with adjustable 5cm plastic gooseneck (RCVR40048), 28cm nylon brush (SPID40004) and flexible hose with fittings.
	LCPR40020	PGC12	10.5mt fusion (glass fibre + carbon fibre) telescopic pole with adjustable 5cm plastic gooseneck (RCVR40048), 28cm nylon brush (SPID40004) and flexible hose with fittings.
	LCPR40021	PCC15	13.5mt carbon fibre telescopic pole with adjustable 25cm plastic gooseneck (RCVR40070), 36cm nylon brush (SPID40005) and flexible hose with fittings.
	Product code		Technical Features
	Telescopic poles accessories		
	SPID40004		28cm nylon brush.
	SPID40005		36cm nylon brush.
	RCVR40048		5cm adjustable gooseneck.
	RCVR40070		25cm adjustable gooseneck.



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