

2015 PRODUCT CATALOGUE



THANK YOU

FOR YOUR INTEREST IN BRODEX PURE WATER CLEANING PRODUCTS

Brodex design and manufacture equipment for pure water cleaning. An early innovator in the market, Brodex designed its first pure water cleaning system in 1998 and has been continually developing and launching new products ever since.

All expertise are in-house and include research chemistry, product design, skilled engineers and a dedicated sales and marketing team. Whatever you need, there will always be a Brodex team member available on-site to help you.

“Our success has been built on you, the customer. As well as sharing your common problems with us and helping us come up with new ideas to overcome them, the loyalty shown and steady stream of referrals is a great motivator for us to continue to invest in research and design to make sure we stay ahead. Our company is committed to providing ways to save you time, increase your earnings and keep you safe! Thank you for your business”

Sean Burke
Managing Director

Here at Brodex, we believe in giving you a choice of product and method for pure water cleaning. We offer the broadest range of cleaning products in the market today:

- Basic delivery systems
- Portable purification machines
- Complete trailer packages
- Van mounted systems (varied sizes to suit your needs)
- Static Bulkflow Systems
- Choice of RO or DI methods
- Internal or external solutions

This means we are in a great position to advise you which product is best for you – not just for your current business situation, we will work with you to make sure you have something which will be suitable for your future needs.

Our dedicated customer services department can answer any query you may have regarding pure water cleaning products.

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CONTENTS

06	E250 Series	19	Water Fed Poles
07	E500 Series	20	Telescopic Poles
08	E650 Series	21	Summit Aluminium
09	E1000 Series	22	Hydra Hybrid
10	Crash Testing	23	Hydra Carbon
11	Starter Kit	24	Modular
12	Hot Water Solutions	24	Carbonlight
12	Flame	25	Brush Heads
13	Buddy	26	Pole Accessories
14	Static On Site Cleaning Solutions	27	Machine and Van Accessories
15	Portable Cleaning Solutions	29	Hose Accessories
15	Portapower	30	Pole Spares
16	Eco Trolley	31	Machine Spares
17	Gutter Cleaning	31	Hose Spares
18	Internal Cleaning Solutions	35	Terms and Conditions
18	Misty Head Kit	36	Warranties and Guarantees
18	Integral		

“ WE HAVE HAD MULTIPLE BRODEX MACHINES FOR OVER 3 YEARS. WE HAVE BEEN A CUSTOMER AT BRODEX FOR OVER 3 YEARS AND HAVE THE 1000, 650 AND 500 LITRE SYSTEMS. WHAT I LIKE ABOUT THE BRODEX MACHINES ARE THE SIMPLICITY OF THEM. THERE ARE LESS PARTS TO GO WRONG WHICH MEANS OUR VANS ARE OUT A LOT MORE EARNING MONEY. WHENEVER I HAVE HAD TO GO TO THE FACTORY FOR A SERVICE THE GUYS THERE ARE BRILLIANT AND THE SERVICE IS GREAT. ”

Justin Thomas, Clean Assured

PURE WATER CLEANING MACHINES

“ WE MAKE THE
WORLD’S MOST
DURABLE AND LONG
LASTING PURE WATER
CLEANING MACHINES.
GUARANTEED FOR
THE LONGEST AND
WITH THE LOWEST
DEPRECIATION. ”



Pure Water Cleaning Machines are designed to fit compact vans and trailers and provide your pure water source for cleaning on-site. Before you select a product, it is important to consider the water type you will be working with (hard or soft), the size of the van you will be using, the number of operators who will be working from one source machine and the capacity you will need to complete your cleans.

If you are new to pure water cleaning and would like to know more about the process or seek some technical or business support, please visit our website www.brodexsystems.co.uk where we have help guides available, or telephone us on 0151 545 1388 and speak with one of our experts.

All of the E250 - E1000 series are made from high impact polypropylene and safety tested to the highest standards (MIRA tested)



SELECTING A MACHINE

MODEL	E250DI	E250RO	E500DI	E500RO	E650DI	E650RO	E1000DI	E1000RO
Business Type	Domestic/Light Commercial		Commercial		Medium to Large Commercial		Large Commercial Jobs	
Capacity	250	250	500	500	650	650	1000	1000
Auto Shut Off	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fill Time	20 mins	4 hours	30 mins	5 hours	40 mins	6 hours	1 hour	8 hours
Work Time	4 hours	4 hours	8 hours	8 hours	10 hours	10 hours	12 hours	12 hours
Empty Weight (kg)	48	58	72	82	76	86	115	135
Full Weight (kg)	298	308	572	582	726	736	1115	1135
Required Payload (kg min)	500	500	800	800	1000	1000	1500	1500
Footprint (cms)	62x85	62x85	137x77	137x77	98x142	98x142	159x110	159x110
Height (cms)	82	82	96	96	96	96	136	136
Max No Operators	2	2	4	4	4	4	4	4
Pumps	1	1	2	2	2	2	2	2
DI Vessels	1	1	2	2	2	2	2	2
RO (Reverse Osmosis)		Yes		Yes		Yes		Yes
Visual Fill Indicator	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Upgrade Kit Available	250 RO 500 Series	500 Series	500 RO		650 RO		1000 RO	

PURE WATER CLEANING MACHINES

E250 LITRE SYSTEMS

- Compact – Ideal for small to medium vans.
Ideal for domestic to light commercial applications
- Full upgrade to 500 Series option available.
Vertical Resin Vessel
- Available in DI or RO version. *Allows 2 operators at once, thus increasing your profits*

Designed to fit all compact vans and trailers, the Brodex E-Compact 250 litre Systems are part of the latest generation of window cleaning equipment. Built for professional window cleaners from high-impact polypropylene, with quality components throughout.

A great entry-level system for beginners, particularly suited to domestic or light commercial use. The E250DI model produces Pure Water quickly through a resin-based filtration system, removing impurities, calcium, lime and chlorine, and is suitable for soft water areas. The maintenance is very low and the consumables are simple and quick to change.

The E250RO model produces Pure Water using Reverse Osmosis to remove 95% of impurities (particularly suitable for hard water areas) then de-ionising resin removes the remaining contaminants, enabling perfect cleaning, drying to a streak-free finish without the use of detergents.



250DI



250RO



Model	Description	Price (Ex. VAT)
Ecompact250DI	E250DI	£1,395.00
Ecompact250RO	E250RO	£2,195.00

PURE WATER CLEANING MACHINES

E500 LITRE SYSTEMS

- Suitable for small to medium vans. *Ideal for domestic to light commercial applications*
- DI to RO upgrade option available. *Vertical Resin Vessel*
- Available in DI or RO version. *Allows 2 operators at once, thus increasing your profits.*

Designed to fit medium vans and trailers, the Brodex E-Compact 500 litre Systems are part of the latest generation of window cleaning equipment. Built for professional window cleaners from high-impact polypropylene, with quality components throughout. The logical upgrade from a 250L system, particularly suited to domestic or commercial use. The E500DI produces Pure Water quickly through a resin-based filtration system, removing impurities, calcium, lime and chlorine, and is suitable for soft water areas. The maintenance is very low and the consumables are simple and quick to change.

The E500RO model produces Pure Water using Reverse Osmosis to removes 95% of impurities (particularly suitable for hard water areas) then de-ionising resin removes the remaining contaminants, enabling perfect cleaning, drying to a streak-free finish without the use of detergents. Although a higher initial cost, the RO has significantly lower running costs than the DI, due to greatly increased resin-life - often as much as 20 times. So, even in soft water areas, it is better value in the long run.



500DI



500RO



Model	Description	Price (Ex. VAT)
Ecompact500DI	E500DI	£2,095.00
Ecompact500RO	E500RO	£2,895.00

PURE WATER CLEANING MACHINES

E650 LITRE SYSTEMS

- Suitable for medium to large sized vans. *Ideal for medium to large commercial applications*
- DI or RO upgrade option available. *Vertical Resin Vessel*
- Available in DI or RO version. *Allows 4 operators at once, thus increasing your profits.*

Designed to fit all medium vans and trailers, the Brodex E-Compact 650 litre Systems are part of the latest generation of window cleaning equipment. 30% more capacity than the 500L system and, with double the operators, particularly suited to domestic or commercial use. The E650DI system produces Pure Water quickly through a resin-based filtration system, removing impurities, calcium, lime and chlorine, and is suitable for soft water areas. The maintenance is very low and the consumables are simple and quick to change.

The E650RO system produces Pure Water using Reverse Osmosis to remove 95% of impurities (particularly suitable for hard water areas) then de-ionising resin removes the remaining contaminants, enabling perfect cleaning, drying to a streak-free finish without the use of detergents. Although a higher initial cost, the RO has significantly lower running costs than the DI, due to greatly increased resin-life - often as much as 20 times. So, even in soft water areas, it is better value in the long run.



650DI



650RO



Model	Description	Price (Ex. VAT)
ECOMPACT650DI	E650DI	£2,295.00
ECOMPACT650RO	E650RO	£3,365.00

PURE WATER CLEANING MACHINES

E1000 LITRE SYSTEMS

- Suitable for larger vans. *Ideal for large commercial applications*
- DI to RO upgrade option available. *Vertical Resin Vessel*
- Available in DI or RO version. *Allows 4 operators at once, thus increasing your profits.*

Designed to fit large vans and trailers, the Brodex E-Compact 1000 litre Systems are our flagship model, part of the latest generation of window cleaning equipment. Built for professional window cleaners from high-impact polypropylene, with quality components throughout and backed by our massive 3-year guarantee. Over 50% greater capacity than the 650L system and, with 4 operators, particularly suited to heavy commercial use. When we install a 1000 litre system into your van we include an additional power source and split charger to ensure there is not an excessive drain on your vehicle's battery.

The E1000DI model produces Pure Water quickly through a resin-based filtration system, removing impurities, calcium, lime and chlorine, and is suitable for soft water areas. The maintenance is very low and the consumables are simple and quick to change. You may wish to consider the RO alternative, since although at a higher initial cost, the RO has significantly lower running costs than the DI, due to greatly increased resin-life – often as much as 20 times. So, even in soft water areas, it is better value in the long run.



1000DI




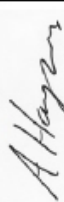

1000RO



Model	Description	Price (Ex. VAT)
Ecompact1000DI	E1000DI	£2,975.00
Ecompact1000RO	E1000RO	£4,195.00

CERTIFICATION OF CRASH TEST

TEST RESULT SHEET		 <p>MIRA Ltd Walling Street Nuneaton Warwickshire CV10 0TU, UK Telephone: + 44 (0) 24 7630 9000 Facsimile: + 44 (0) 24 7630 5305</p>	
TITLE:	Forward Hyge to Test the Structural Integrity of a Pure Water Cleaning System Fitted in a Panel Van		
Test No:	H907A1	Page 1 of 6	
Project No:	1022085	Company:	Brodex Machine Services, 12 Forest Road, Southport, Merseyside, England PR8 6ST
Test Date(s):	10 th February 2009	Company Liaison Engineer:	S Burke
Order Number:	Proforma invoice	Witnesses:	S Burke – Brodex A Haynes -MIRA Ltd
Test Specification:			
<ul style="list-style-type: none"> Dynamic loading of a pure water cleaning system mounted in a panel van to check the integrity of the attachments. The vehicle acceleration pulse as specified in ECE Regulation17, 'Uniform provisions concerning the approval of vehicles with regard to the seats, their anchorages and any head restraints'. This regulation specifies a dynamic structural test to assess the structural integrity and luggage retention capabilities of passenger car seats. The dynamic test for seat integrity specifies an acceleration requirement of 20g (196.2ms-2) for at least 30 milliseconds (Section 6.3.1). Using a HyGe reverse accelerator facility this acceleration pulse gives a velocity change of approximately 14 – 15 ms-1 (50 – 54 Kph or 31- 34 mph). The velocity change is compatible to the crash test impact velocity of 56kph (15.5ms-1) specified in the European Frontal Crashworthiness Directive 96/79/EC, Appendix 1 Section 4, and therefore represents an equivalent kinetic energy change. 			
Test Conditions:			
<ul style="list-style-type: none"> The Ford Transit body shell was rigidly attached to the Hyge sled. The body shell was positioned in the rearward direction on the HyGe Sled to simulate a forward impact. The Brodex Machine Services pure water cleaning system D650DI was fitted in the body shell as shown in the Figure 1. The tank was filled with water. High speed video cameras were positioned to record the system during the acceleration pulse. 			

Test Result Sheet (Continued)	Page 2 of 6	MIRA – 1022085 Test No- H907A1		
Test Equipment:				
<ul style="list-style-type: none"> MIRA HyGe pneumatic reverse accelerator facility. Three high-speed digital cameras and one real time camera. Test sled. Two sled accelerometers and data acquisition system. 				
Test Results:				
<ul style="list-style-type: none"> The pure water cleaning system remained attached to the body shell. The filler lid became detached 117ms after the start of the test. Because the acceleration pulse was finished at this time it is likely that this was a result of the displacement of the water in the tank. Some of the water was ejected from the tank. Neither of these events would significantly increase the risk of occupant injury during an impact. 				
Attachments/Notes:				
<p>Figure 1 : Photographs of Installation (two pages)</p> <p>Figure 2 : Photograph from High Speed Video at 144ms After the start of the Test (one page)</p> <p>Figure 3 : Graphs of the Sled Acceleration and Velocity (one page)</p> <p>DataViewer disc including pre and post-test photographs, high-speed imaging/ acceleration profiles and Instrumentation Calibration And Quality Assurance Data</p>				
*	Name	Position	Signature	Date
Prepared By	Andy Haynes	Test Engineer Safety Development		11 th February 2009
Concurred By	Chris Harper	Senior Engineer Safety Development		11 th February 2009
<small>© MIRA Ltd 2009. MIRA Ltd Registered Office: Walling Street, Nuneaton, Warwickshire, CV10 0TU, England. Registered in England No. 402570. VAT Registration GB 114 5400 06. All rights reserved, subject to client contract. Information contained within this report may not be published in any form of advertising or other matter without prior agreement of the Managing Director of MIRA Ltd.</small>				

PURE WATER CLEANING MACHINES

STARTER KIT

- Ecotrolley with charger
- 18ft Waterfed Pole
- Domestic RO Unit
- TDS Meter
- 25 litre container (x4)

A great starter DIY kit at an affordable price. Water purification takes place through a domestic RO unit and the purified water can be taken on-site with the 50 litre digitally controlled Eco-trolley.

The Eco-trolley is a compact design which allows you to access difficult areas and all fittings are quick release, leak free high quality brass. Its constructed from tough polypropylene and is 100% ready to use with an integral 100psi pump and 12V power supply (charger provided).

A high quality 18 foot Water Fed Pole, again 100% ready to use with brush head, pole hose and connectors.



“ WE STARTED WITH BRODEX, WE DIDN'T KNOW ANYTHING ABOUT WINDOW CLEANING WHAT-SO-EVER AND WE'D HEARD THEY DID A GOOD STARTER KIT WHICH WE BOUGHT. **IT'S ABSOLUTELY FANTASTIC.** WE HAD FULL TRAINING, SHOWING US HOW TO USE ALL OF THE EQUIPMENT. WE STARTED OFF WITH ABOUT 20 CUSTOMERS AND IT WENT TO WAY OVER 100 JUST WITHIN A MONTH. ”

Sue Baldwin, Window Cleaner



Model	Description	Price (Ex. VAT)
STARTER KIT	Starter Kit	£935.00

HOT WATER CLEANING SOLUTIONS

DIESEL POWERED FLAME

Whilst the cleaning power remains exceptional for cold pure water technology, the addition of heat can be useful on certain cleans (such as builders cleans) where the residue can be more stubborn. The heat allows you to clean faster in these conditions. It is also a matter of personal preference as some cleaners simply prefer to work with hot water for their own comfort level and speed requirements. The Flame is designed to fit onto an existing pure water cleaning system and runs from its own diesel source.

- Adjustable temperature controls
- Low running costs (less than £1 per hour)
- Constant hot water
- Runs from its own separate storage tank
- Diesel Powered

Built from top quality materials, this robust Hot Water System will revolutionise your water fed pole cleaning business. Simply switch on and connect your hose and, in a few minutes, you have a constant flow of hot water, which will increase your efficiency and profit (speeding up the cleans) and reduce your running costs (reduction in water usage).

The enables you to tackle more stubborn cleaning jobs and builders' cleans by heating the pure water, it increases its already powerful cleaning ability and it adds other services to your list that you can profit from.



Model	Description	Price (Ex. VAT)
5500	Flame	£3,500.00
	Installation	£275.00

HOT WATER CLEANING SOLUTIONS

GAS POWERED BUDDY L10

- Adjustable water temperature
- Auto-shut off / on with water flow
- Gas bottle required
- Very easy to self install
- Removable drain valve to drain water to prevent front damage
- 1 year warranty
- LPG Fuel source

This Gas Heater is designed for people who need convenient, instantaneous hot water when outdoors and comes complete with all necessary fittings. Designed to be a portable tool with easy hook up and installation and when you fit your DIY system Brodex have a helpline should you need any advice!



Mobile Hot water... 'on tap'... at a low cost!

Features & Specification:

- Easy Hook up & Installation - Connects to any standard garden hose and an LPG (Propane) Gas Bottle
- CE Approved
- Adjustable Water Temperature and Flow Rate
- All ½" BSP Fittings, Gas Regulator & Hose Included with product
- Includes 10ft flexible Drainage Pipe (approx. 1" diameter)
- Automatic Ignition Powered by 2 x D Cell Batteries (not included)
- Burners come on when water flows, and off when the water is shut off. No pilot light!
- Additional safety feature - automatic shutoff



Model	Description	Price (Ex. VAT)
WATERSYL10	Buddy L10	£545.00
	Installation	£750.00

STATIC ON-SITE CLEANING SOLUTIONS

BULKFLOW

The Brodex Bulkflows are Water Purification and bulk storage, static Reverse Osmosis systems. They are designed to be installed in your premises as a regular supply of water for a mobile system or, perhaps, in a shopping centre, hotel or office block, where a regular supply of Pure Water is needed. – It will even fit in a garage or suitable shed. Bulkflows are designed to purify water day and night, ensuring you have a constant supply of pure water for your business. Transfer of water from the static holding tanks to your E-compact system is by a rapid-transfer pump, so you can fill up several machines quickly and efficiently.



The ability to quickly fill your van-mounted systems (no time wasted waiting on purification,) lengthens your working day making you more profit.

- Purifies using reverse osmosis and ion changing resin
- Available in 1000 or 2000 litre capacity
- Operates 24hours a day for constant supply of purified water
- Ideal for high volume usage
- Panel only version available (without storage tank)



Model	Description	Price (Ex. VAT)
BULKFLOW1000	Bulkflow 1000 Litre System	£2,215.00
BULKFLOW2000	Bulkflow 2000 Litre System	£2,895.00
BULKFLOW1000XP	Bulkflow 1000 Panel Only	£1,800.00
BULKFLOW2000XP	Bulkflow 2000 Panel Only	£2,300.00

PORTABLE CLEANING SOLUTIONS

PORTAPOWER

The NEW and IMPROVED Brodex water purification trolley is an ideal stand alone or add on system to you current business which uses RO and DI technology to deliver 200 litres/ hour of pure water cleaning power.

This allows you to produce and deliver large amounts of de-ionised water on-site. Simply connect to the mains water and electricity supply on-site and you are ready to work instantly (battery version needs access to mains water only). It can be used by a solo operator, or a team of two working on high reach jobs up to 60 feet.

The Brodex PortaPower is an ideal stand alone or add on system to your current business which uses RO and DI technology to deliver 200 litres per hour of pure water cleaning power. This allows you to produce and deliver large amounts of de-ionised water on-site. Simply connect to the mains water and electricity supply on-site and you are ready to work instantly. It can be used by a solo operator, or a team of two working on high reach jobs up to 60ft. The Portapower is available as a mains operated and also a battery powered option.



Battery Operated

Mains Operated



Model	Description	Price (Ex. VAT)
PORTAPOWER1	Portapower – 240v Mains Operated	£2,355.00
PORTAPOWER2	Portapower – Battery Operated	£2,295.00

PORTABLE CLEANING SOLUTIONS

ECOTROLLEY

- Compact design lets you access difficult areas
- All fittings are quick release, leak free high quality brass
- Tough polypropylene material
- 100% ready to use with integral 100psi pump and 12v power supply
- Digital Controls

The Brodex Ecotrolley is a versatile 50 litre carrier, designed to transport water from your system, to jobs where access is a problem, or simply to add an extra operator to your system. This extra capacity can greatly increase productivity, flexibility and profits. Built to our exacting standards, it has a tough polypropylene body, yet is light and manoeuvrable. It comes complete with battery, charger and 100 psi pump, with variable-speed analogue controls.

All fittings are quick-release, for ease of use and hard-wearing, leak-free brass, rather than plastic, for durability.

Simply adding the appropriate chemical enables you to clean brickwork, cladding or signage. It is also useful as a pre-treatment unit filled with citric acid solution or detergent.

NB: *The EcoTrolley Plus does not purify water – it is designed to carry water from your pure water generator.*



Model	Description	Price (Ex. VAT)
ECOTROL	EcoTrolley	£695.00

CUTTER CLEANING

The Brodex Gutter Cleaning Vacuum was designed as an extension to any window cleaning business and also as a useful tool for external cleaning. As well as cleaning the outside of windows, offering the service of Gutter Cleaning as an add on to your business can be beneficial and earn you more money!

With the Brodex Gutter Vac there is no need for ladders. Everything is done with your feet firmly on the ground. A Camera can be attached to the head of the pole so that you can see the work you have carried out from the safety of the ground! The system itself is easily operated by one man. Setting up takes less than 5 minutes. Make money on internal and external high reach cleaning.

- No need for access hire or scaffolding
- One person operation
- Easy to transport -
950mm high x 500mm wide
- Reaches up to 36ft - 10.97m (spares available)
- Low maintenance
- 240v & 110 V options available
- Extra poles and longer hose available
- Powerful 3 motors with a large 90 Litre capacity
- 3000 Watts



Model	Description	Price (Ex. VAT)
8210	Gutter Vac	£1,295.00
8212	Adjustable Camera	£295.00

INTERNAL CLEANING SOLUTIONS

Brodex have applied Pure Water Cleaning technology to an internal system which transforms your de-ionised water into a fine mist. The Misty range allows you to clean internally without major drips or spills. Micro-fibre pads are used to wipe away the mist which is sprayed onto the inside of the windows. These pads can be washed and reused up to 500 times before they need to be disposed of. The Brodex Misty Head and Belt kit can be fitted to any existing telescopic or modular pole to convert it into an internal cleaning system.

MISTY HEAD KIT

- Fine pure water mist
- Enable high level cleaning up to 60ft
- No chemicals or detergents
- Fits in any sized Brodex pole

NB: The Misty Head Kit comprises of:

- 1x Misty head
- 1x Commercial Crank
- 1x length of hose (35ft unless specified upon purchase)
- 1x Trigger



MISTY INTEGRAL

Even on the inside dirty and grimy windows harbour harmful bacteria, our new bucket-free window cleaning system removes dirt, grime and bugs with the combined cleaning power of pure water and microfibre without leaving residual particles or surface smears leaving windows, brighter, fresher, more hygienic.

The Misty Integral is a compact and entirely mechanical tool, no batteries or cables with a unique integral pure water pump system that delivers pure ionised water straight to the microfibre cleaning head.

With a telescopic handle (choice of 3 sizes) up to 3 meters you can safely clean high-up windows without steps or ladders, even in areas with restricted access.

This single tool replaces the need for bucket, squeegee, window washer, telescopic poles or ladders and chemicals. Environmentally friendly, eliminates chemical cost, yet provides higher productivity - reduces working time by up to 50% and is simple to operate resulting in sparkling clean windows with minimal effort.

Model	Description	Price (Ex. VAT)
8170	Misty Head Kit	£195.00
5504	Misty Integral	£225.00

WATER FED POLES

SELECTING A POLE

The first piece of advice we would give would be not to rush into this decision, you may be tempted to buy one of our special offers, for example, but do think first...

When choosing a pole you need to consider:

- (i) The type of work you will be using it for, i.e. small domestic or heavy commercial window cleaning. This will normally dictate what heights you will need to reach. With low level domestic work you can get away with the cheaper glass fibre poles, they won't last as long, but there should be no issues with rigidity, as there are when you start working at greater heights and need to consider purchasing a more rigid pole to minimise wobble.

NB: Too much wobble, whip or bending will hurt your back, tire you out and slow you down, the pole will also be very hard to control and you may damage property. We would still always advise buying the best pole you can afford as these are the tools of your trade that you will use every day, so you want them to last and do the job. Once you start getting to heights of 30ft and above you should switch from the aluminium to the **Summit Carbon** range. These are lighter but more brittle, hence the reduced guarantee (1 year) they are more expensive,

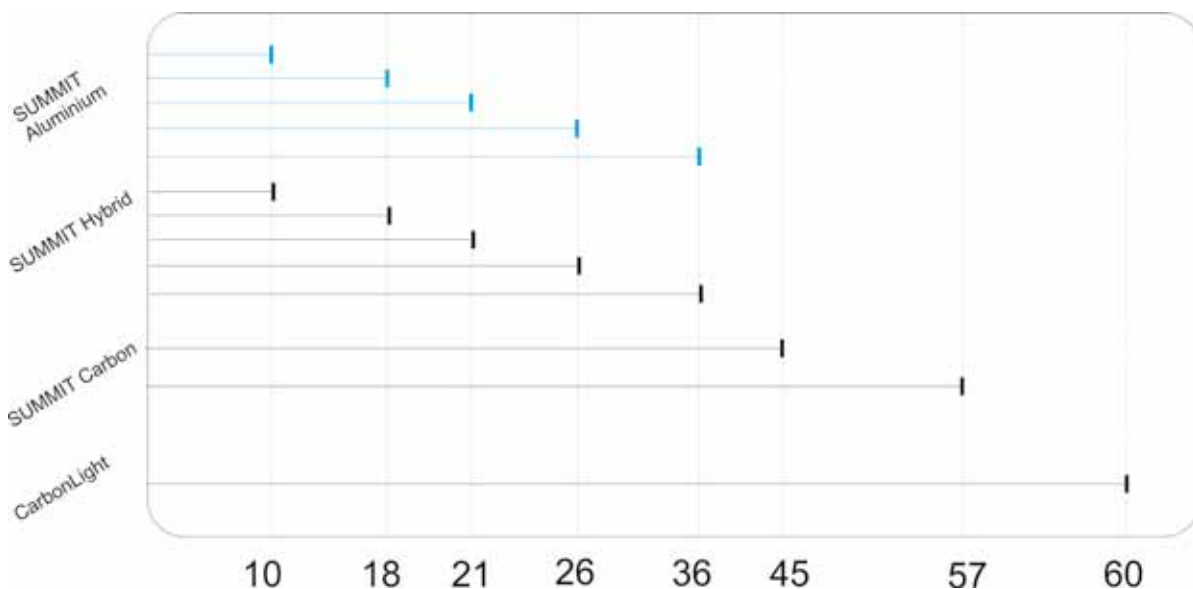
but you will make your money back by extending your working day.

- (ii) Don't forget you will need to decide what height range of poles you will need as well as what type. We find most of our clients purchase a selection of lengths giving them the versatility they need for both high and low work and everything in between.

NB: it is a false economy to buy a larger pole, thinking it will do the low-level work as well. This will only hurt your back and slow you down, meaning you do less jobs in a day. By using a shorter length pole for the lower levels and a longer pole for the higher levels you will get more work done with less pain... we recommend a good selection would be one each of: 6ft, 18ft, 25ft and, if you do high level work, consider 35 and 60ft (**Summit Carbon**) models.

- (iii) Selecting the right Brush Head is extremely important

The rule of thumb is Glass fibre are the cheapest budget poles, Aluminium are the bee's knees workhorse long-lasting poles for professionals and Carbon is great for heights as it is light and rigid, but it is expensive and can be brittle, so just use for high jobs.



TELESCOPIC POLES

Brodex Water Fed Poles are designed to enable you to carry out your work in a comfortable yet effective way. When choosing the right pole for each job, you need to take into account it's weight, collapsed length, material and durability. The number of sections is also important to ensure you can easily work down a property cleaning at each level.

If you are new to using Water Fed Poles and would like to know more about the process or seek some technical support please visit our website www.brodexsystems.co.uk where we have help guides available. You can also call us on +44 (0)151 545 1388 and speak with one of our experts.

TELESCOPIC POLES



Brodex have been manufacturing aluminium poles for many years now and we have a load of experience in the processes and quality challenges involved. We have now redesigned the whole alloy pole range from materials to clamps to build philosophy. We have created the new “Summit” range of poles – named so because we have raised our standards to new heights and feel this is the best alloy pole ever made.

Wall thickness is increased giving greater strength. The tube drawing process has been changed to give greater continuity of wall thickness reducing metal fatigue failures.

The poles are **lighter in weight** even though they are stronger with increased wall size, they still come in 10% lighter mainly due to build design. The collapsed lengths have been reduced by 20% so that they are shorter when closed, allowing better stowage but still giving the same reach.

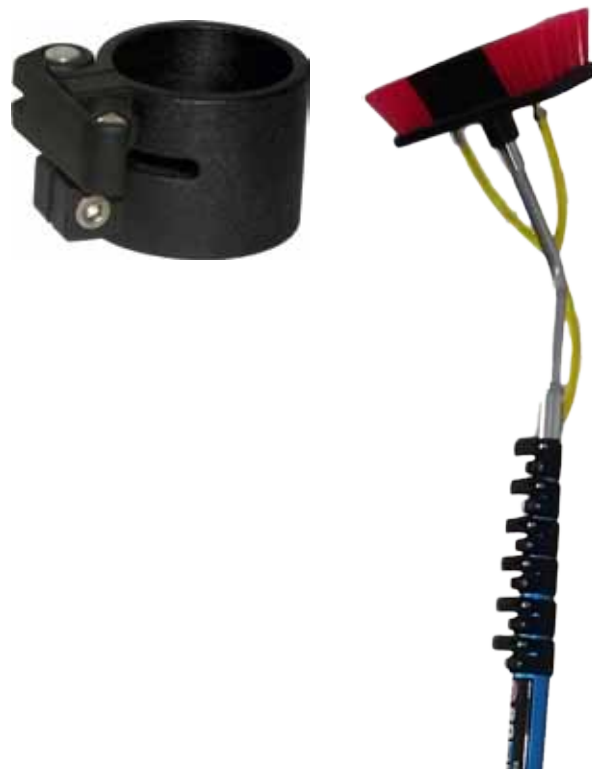
The tube diameters are reduced so that holding the pole is more comfortable.

New Transverse Clamps have been fitted to all the poles. These clamps have many advantages and are our newest addition to the products range.

Some features include:

- Transverse levers
- Bolt on clamp (no glue)
- Shorter than existing clamps
- Anti-corrosion metal components

Model	STA10	STA18	STA21	STA26	STA36
Pole Reach (feet)	10	18	21	26	36
Actual Length (feet)	7	15	18	23	33
Bare Pole Weight	0.8	1.5	1.9	2.4	3.5
Collapsed Length	2'10"	4'4"	4'4"	4'8"	5'10"
No. of Sections	3	4	5	6	7
Material	Aluminium				



Model	Description	Price (Ex. VAT)
STA10	Summit Aluminium 10ft	£79.00
STA18	Summit Aluminium 18ft	£136.00
STA21	Summit Aluminium 21ft	£152.00
STA26	Summit Aluminium 26ft	£181.00
STA36	Summit Aluminium 36ft	£269.00

TELESCOPIC POLES



HYBRID

- Premium Clamping mechanism
- Short collapsed length for ease of transport
- Strong, durable and extremely rigid
- All Brodex Poles are 100% ready to use complete with 10" Brush Head
- Choice of Commercial Crank or Gooseneck

The Brodex range of Summit Hybrid telescopic poles combines tough, economical glass fibre and Carbon fibre to give a strong and durable and yet light pole for ease of use.

With a short collapsed length and a lightweight element, this pole is ideal for transport to your site and comes in a range of sizes from 18ft to 42ft.

Available Options:

- 10" Commercial Brush head assembly (standard)
- 10" Sill Brush head assembly

Male pole hose connector: Standard Hozelock or Brodex brass high pressure.



Model	SM18	SM25	SM31	SM36	SM42
Pole Reach (feet)	18	25	31	36	42
Bare Pole Weight	1.2	1.6	2.2	2.6	3.1
Collapsed Length	5'7"	5'8"	6'4"	6'6"	6'8"
No. of Sections	4	5	7	7	8
Rigidity Scale (1-5)**	1				
Material	Glass/Carbon fibre Composite				



Model	Description	Price (Ex. VAT)
SM18	Summit Hybrid (18ft)	£195.00
SM25	Summit Hybrid (25ft)	£245.00
SM36	Summit Hybrid (36ft)	£335.00
SM42	Summit Hybrid (42ft)	£395.00

TELESCOPIC POLES

CARBON

- Adjustable quick-release Safety Clamps as standard – poles won't come apart without warning
- Enhanced Lever System – more adjustment than any other composite pole clamp, thus poles last longer, saving you money
- Alloy Protector Base Cap – protects your investment, saving time and money on costly repairs
- 10 inch Brodex Lightweight brush head as standard and a choice of 6" alloy gooseneck or adjustable commercial crank
- Premium Quality, Non-marking. Other sizes available on request

The Summit Range is known for its shorter sections making it great to manoeuvre! The simple engineering changes introduced by Brodex revolutionised the water fed pole cleaning industry, and we are still improving our designs

When we designed the sections to be narrower it was to improve the grip and comfort when you use the pole. If we invest in a new material type it's to make sure it's lighter work for you, and as tough as we can make it so the tools of your trade will last longer. The Summit Carbon is one of the lightest poles on the market, yet it's precision-engineered to be tough and rigid.

The shorter length poles are constructed from Glass Fibre for strength and durability (18-26ft) and as the poles get longer, they are constructed from Carbon Fibre (31-57ft) making for lightweight, rigid poles.



Model	SC45	SC57
Pole Reach (feet)	45	57
Bare Pole Weight	4.7	5.5
Collapsed Length	8'	9'4"
No. of Sections	8	8
Rigidity Scale (1-5)**	1	
Material	Glass/Carbon fibre Composite	



Model	Description	Price (Ex. VAT)
SC45	Summit Carbon Fibre (45ft)	£865.00
SC57	Summit Carbon Fibre (57ft)	£1,095.00

MODULAR POLES

CARBONLIGHT

Brodex Modular Poles are designed with working at height firmly in mind. With the capability of working up to 60ft the pole is extremely lightweight, yet has the extreme rigidity needed to work at height.

The modular design means you can easily add or remove sections to suit your working height. All Brodex Water Fed Poles are 100% ready to use and are shipped complete with a standard 10" Brush Head and a choice of Adjustable Commercial Crank or 14" Gooseneck.

- Extremely lightweight (5kg for 60ft version)
- All Poles shipped with brush head and holdall
- Choice of commercial Crank or Gooseneck
- Short sections lengths (6ft) for ease of transport and manageability
- Safe and easy to use with Velcro straps for securing pole hose when working

The Brodex Carbonlight is a flyweight pole with heavyweight capabilities. It's modular in design, so you can easily add or remove sections to suit your work-height. The sections are all an easy to manage 6ft long. The widest section is only 49mm in diameter, so you don't have the wide-grip discomfort normally associated with most extreme-reach poles, often up to 60mm (The Hydra is a mere 51mm in comparison). The pole hose is external and kept in place by twisting it once round each section you add, and securing it with the quick and convenient Velcro straps supplied.

Adjust the weight: Using only the number of sections needed to suit your working height, for example the 36ft bare pole weighs in at only 1.3 kg (using six sections). And even when you move up to the 60ft you are only lifting 5kg.



Model	CL60
Pole Length (feet)	60
Bare Pole Weight	5.5
Collapsed Length	6'5"
No. of Sections	10
Rigidity Scale (1-5)**	1
Material	Carbon fibre
* NB: Pole length is the working height from the hip ** 1 = Extremely rigid - 5 = Flexible	



Model	Description	Price (Ex. VAT)
CL60	CarbonLight Modular Pole (60ft)	£1,260.00
CLSection	Individual Section	£135.00

BRUSH HEADS

GUIDE TO SELECTING THE BEST WATER FED POLE BRUSH HEAD FOR THE JOB

Even when you have bought from Brodex, manufacturers of the best pole and pure water cleaning system in Europe, your cleaning will still only be as good as the condition of the brush head you use.

So it's worth taking the time to choose the best brush head for the job. Most professionals prefer to purchase a selection to cover all situations.

The Brodex Lightweight Brush Head is designed for the professional window cleaner. It has integral jets to avoid scratching and is 15% lighter than the industry standard brush. We have avoided coloured trim, which can leave marks on window frames. And it has a German thread, making it a universal connection for all poles.

Width of brush

This is simply a case of common sense, as a bigger brush will get the job done faster but won't be any use to you on small frames - so we recommend a professional cleaner has a 10" brush head on hand. You will probably use the 10" most of all.

Round or square edges

The Brodex Lightweight Brush is square-section designed specifically for window-cleaning. This gives maximum bristle contact where it's needed most, so it's difficult to believe anyone can successfully use a round-ended brush head; it simply does not get into the corners and edges of the frame. Whilst many people are happy with these, they were originally designed for washing cars, not square windows.

Specialist brush heads

We advise the purchase of a sill brush, ideal for washing the tops of window sills and excellent for use on conservatories. Some window cleaners use them all the time on windows, because they like the angle variations, though of course this remains a matter of personal choice.



10" Vikan Brush



Sill Brush



10" Lightweight head

Model	Description	Price (Ex. VAT)
5012D	10" Brodex Lightweight Brush Head	£18.95
5012A	10" Vikan Commercial Brush Head	£35.00
5007C	Sill Brush	£21.95

POLE ACCESSORIES

All Brodex Water Fed Poles are shipped 100% ready to use including 10" Brush head as standard. There are a variety of accessories, including water saving features such as triggers or varied brush types and sizes so you can customize your Water Fed Pole to the exact requirements of your own business.

TRIGGER KITS

- Convert a standard pole into a trigger controlled format to save water wastage
- 2 models available - professionally installed drilled to pole or
- DIY self assemble (easy to remove) option
- Self assembly model adjustable to any pole size



Model	Description	Price (Ex. VAT)
1061	Trigger Kit (Old style)	£54.00
2113	Trigger Kit (New from 2013)	£28.00

COMMERCIAL CRANK & GOOSENECK OPTIONS

- Suitable for all German threaded plastic Cranks and Brodex Aluminium Goosenecks
- Choice of Commercial Crank (Dura-Plastic) or heavy duty Aluminium Gooseneck
- Only heavy duty long wearing materials used

NB: Aluminium Goosenecks are not suitable for Vikan Brush Heads



Model	Description	Price (Ex. VAT)
1047	Commercial Crank - Dura-plastic	£4.20
1066C	Aluminium Gooseneck - 6"	£24.00
1068C	Aluminium Gooseneck - 10"	£24.00
1065C	Aluminium Gooseneck - 22"	£29.00

MACHINE & VAN ACCESSORIES

There are a number of accessories which will allow you to customize your machine set up to suit your own needs, such as storage trolleys, booster pumps and van options (such as floorcote, external manifolds and pole carriers). All Brodex accessories have been designed to make your job easier and keep you and your equipment running safely and efficiently.

BOOSTER PUMP

- Raises mains water pressure up to 90psi
- Improves fill time
- Increases the performance and life of your membrane
- Auto-shut off



Model	Description	Price (Ex. VAT)
1999	Booster Pump	£390.00

BATTERY PACK

Power your system independently from your vehicle

- Battery allows you to power your system without running down your vehicle battery
- Housed in a lidded powder coated steel box
- Highly recommended for 500 and 650 litre systems
- Split Charger included



Model	Description	Price (Ex. VAT)
BATTERYPACKE1000	Brodex Battery Pack	£350.00

QUICK FILL KITS

For fast on-site filling of your system

- Can be used in conjunction with an EcoTrolley to purify water as a Basic DIY Starter Kit
- 2 size options (22" or 35" Resin Bottles)
- Only premium grade Resin used for all quick fill kits



Model	Description	Price (Ex. VAT)
2031C	Quick Fill Kit (22")	£245.00
2032C	Quick Fill Kit (35")	£320.00

TDS METER

Measure the Quality of your Pure Water

- Essential for trouble shooting
- Measures the Total Dissolved Solids (TDS) in your water to give a purity reading
- High quality / high accuracy



Model	Description	Price (Ex. VAT)
5002	Total Dissolved Solids (TDS) Meter	£19.00

MACHINE & VAN ACCESSORIES

FLOOR COTE

Anti-slip treatment for the floor of your vehicle

- Tough and durable protection
- Flexible and non-abrasive finish
- Keeps you and your equipment safe
- DIY or Brodex technician options
- Large or small van pricing options



FloorCote is an advanced anti-slip polyurethane coating which incorporates rubber granules and gives a professional long lasting finish. Brodex Technicians prepare the surface of your van floor, then apply two coats for ultimate protection. There is also a DIY option, whereby you can apply your own treatment. Each 4L tin covers approx. 4 - 5 square metres

Model	Description	Price (Ex. VAT)
5008A	Brodex Technician fitted Floor Cote (Medium Van)	£280.00
5008B	Brodex Technician fitted Floor Cote (Large Van)	£400.00
5008	DIY Option (Paint Can only)	£98.00

SECURITY MANIFOLD

External Access Port

- Highly durable, stainless steel material
- Gives you added security of being able to lock your vehicle whilst operating your system
- Comes complete with full installation kit and cutting template
- Suitable for 10mm water pipe
- Also available as an under bumper option



Model	Description	Price (Ex. VAT)
5009C	Security Manifold - External Access Port	£198.00
	Security Manifold - External Under Bumper	£119.00

POLE CARRIERS

For the inside of your vehicle

- Protect your poles - they are an asset to your business
- Keep organised and tidy
- Galvanised steel/powder coated finish
- Holds up to 6 poles
- Installation included in price



Model	Description	Price (Ex. VAT)
2080C	Internal Pole Carriers	£95.00

HOSE ACCESSORIES

HOSE REELS

- Rugged, heavy duty steel frame
- High quality brass fittings
- Leak free swivel joint
- Option to choose your own hose type (50m ½” or 100m microbore)
- Option to buy with or without hose (bare reels)
- Can be secured in van using an optional galvanised steel securing bracket



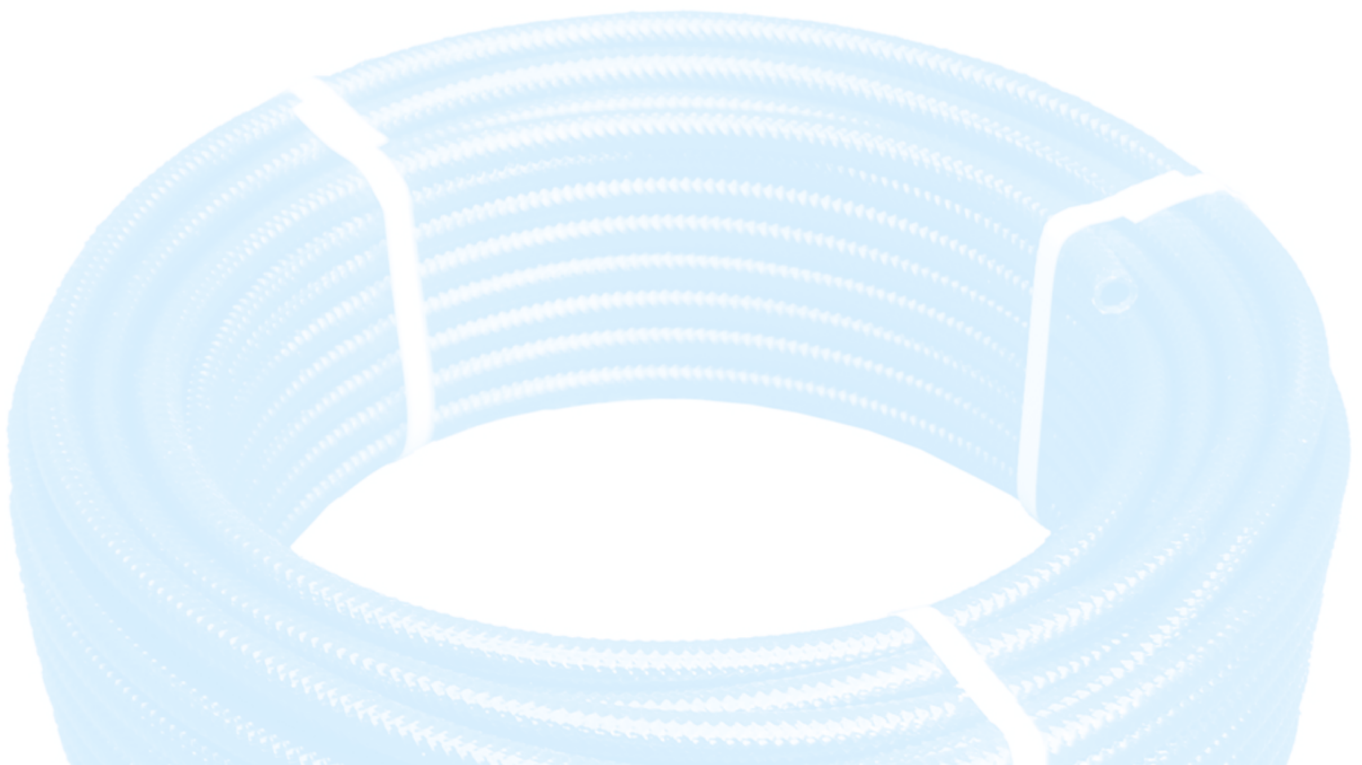
Model	Description	Price (Ex. VAT)
5001C	Steel Hose Reel	£102.00
5001CS	Static Steel Hose Reel (No wheels) complete	£189.00
3004	Hose Reel Securing Bracket (Galvanised Steel)	£10.00

HOSE OPTIONS

- Professional quality hose for high flow water delivery
- ½” for working pressure up to 300psi, burst pressure 900psi



Model	Description	Price (Ex. VAT)
4999C	50 metre Anti-Kink ½ Hose	£42.00
4999	Microbore Hose (8mm)	£59.00
8089	Pole Hose (6mm)	£49.99



POLE SPARES

Model	Description	Price (Ex. VAT)	
1094C	Aluminium Gooseneck Locating Collar	£14.50	
1096C	Gooseneck Adaptor	£9.50	
8014	6mm Brass Male HP Hose Fitting (Set of 2)	£13.00	
8084	6mm Male Aluminium Microbore Fitting	£8.50	
8059C	Y Splitters (Set of 10)	£11.00	
4120	Clamp Levers	£3.75	
4120C	Clamp Lever with Bolt and Nut	£3.75	
0810C	Pole Clamps for Hydra Pole No. 1	£7.16	
0811C	Pole Clamps for Hydra Pole No. 2	£10.50	
0812C	Pole Clamps for Hydra Pole No. 3	£11.50	
0813C	Pole Clamps for Hydra Pole No. 4	£12.30	
0814C	Pole Clamps for Hydra Pole No. 5	£13.00	
0815C	Pole Clamps for Hydra Pole No. 6	£13.80	
0816C	Pole Clamps for Hydra Pole No. 7	£14.60	
8063C	6mm Crimp	£0.54	

HOSE SPARES

Model	Description	Price (Ex. VAT)	
8022	Female HP Fitting - Brass ½ Inch (Set of 2)	£17.00	
8012	1/4 Turn Hose Tap	£9.00	
1010C	Male Hozelock - Brass Pole Hose Connector X 2	£19.00	
8017	Male to Female HP Splitter - Brass	£29.00	
8013	Inline ½ Inch Hose Tap - Brass	£18.00	
8086	8mm Aluminium Microbore Fitting	£8.50	
8016	½" Brass Male HP Hose Fitting	£6.50	
8079	HP Manifold Tap Brass (Sets of 4)	£74.00	
2206	Female Hozelock ½ Inch Trolley Hose Fitting - Stop End	£8.50	
2207	Female Hozelock ½ Trolley Hose Fitting - Brass	£8.50	
2250	Hose Bumper	£9.50	
8220/ 8220C	Swivel Elbow for Trolleys	£16.50	
2209C	Metal Winding Handle for Hose Trolley	£9.99	
8097	Jubilee Clips 11 - 16mm		

MACHINE SPARES

Model	Description	Price (Ex. VAT)	
6205	Single Digital Pump Controller	£94.00	
2001	Tank Float Valve	£48.00	
6206	Double Digital Switch	£175.00	
2091	Bulkflow Submersible Pump	£75.00	
2093	Heavy Duty 105AH - 12V Battery	£175.00	
2099	EcoTrolley Gel Battery	£92.00	
8164	Split Charger	£45.00	
8164	Assorted Lids (Van Mounted Machines)	£58.00	
1073C	Drain Valve for Portapower	£28.00	
2051	10 Inch Carbon Pre-Filter	£6.90	

MACHINE SPARES

Model	Description	Price (Ex. VAT)	
2014	10 Inch Particle Pre-Filter	£3.90	
5013	3G Housing Spanner	£10.00	
2183	3G Filter Housing	£49.00	
2007	20 Inch Industrial RO Membrane	£245.00	
2006	40 Inch Industrial RO Membrane	£285.00	
5004I	Premium Grade Virgin Polymer DI Resin	£86.00	
2004	100psi Pump with/without Pressure Switch	£119.00	
8163	Wiring Loom	£39.00	
62026	Double Digital Twin Speed Controller	£105.00	
8051C	Machine Hose	£49.00	

TERMS & CONDITIONS

1. Any faulty goods must be returned to Brodex before we send out a replacement. The carriage for this is at the customer's expense and proof of delivery is required. Once evaluated (within 24 hours of receipt), the replacement item, if in stock, will be sent out at the customer's expense. If it is urgent that a replacement is sent quickly a payment will be taken until the faulty item is received. The payment will then be refunded if it is a legitimate warranty claim.
2. Brodex cannot accept any liability for any consequential loss incurred by customers due to faulty goods supplied. Brodex will undertake to replace any goods in the shortest time period possible, or supply equivalent quality goods accordingly.
3. Brodex cannot accept liability for goods delivered to third party addresses or goods left in unsecured locations. All goods should be signed for accordingly and Brodex will deliver to nominated secure addresses according to the customer's instructions.
4. Customers are responsible for checking delivered items for damage or missing parts. Subsequent claims cannot be considered.
5. A restocking charge of 20% will be applied at Brodex discretion for unwanted goods returned in their original protective packaging. All carriage related to unwanted goods will be charged to the customer's.
6. Brodex reserve the right to change without prior notice any price or specification appearing in any Brodex published document (on or offline)
7. Normal delivery schedule for goods is 7 working days from placement of order, (excluding machines) however Brodex cannot accept responsibility for late delivery due to courier delay. Nor do Brodex accept any consequential loss liability for delivery delays.
8. Wear and tear is not covered under any warranty arrangement supplied by Brodex and the assessment of suspected wear and tear damage must be carried out by Brodex at Brodex factory premises.
9. Items that show they have been forcefully broken or damaged by impact or excessive force will not be covered under any warranty arrangement. The items will have to be returned to Brodex at the customer's expense for assessment before a replacement is authorised.
10. Any modification to equipment supplied by Brodex without their prior consent or agreement, automatically invalidates any warranty supplied by Brodex to cover the goods supplied.
11. Any goods purchased from Brodex to be used in a DIY project or outside of Brodex specified application, will not be warranted, as Brodex have no control over their use or application.
12. All water based systems are vulnerable to frost damage and it is the customer's responsibility to ensure that no part of the equipment supplied is left unprotected in freezing conditions. Frost damage is not covered under warranty and suspect frost damaged goods must be returned to Brodex at customer's expense for evaluation as necessary.
13. Spares are available to purchase. It is advisable to hold a set of pertinent spares to avoid down time. Brodex cannot guarantee a next day delivery for warranty items. If a quicker than 7 day delivery is required an additional payment can reduce this to 48 hours. This payment will be taken at time of request and is non refundable.
14. When credit / debit card details are taken for the payment of an item this payment will be processed immediately even if the goods have not left our premises. The card details are then destroyed for security reasons.
15. Refunds for equipment will only be made when:-
 - a) *The goods have been returned*
 - b) *Assessment has been made and deductions applied for wear & tear, damage and general condition*
 - c) *20% restocking charge applied if goods are 100% resalable*
 - d) *100% refund is made via credit note only*
16. All membranes are subject to the water chemistry of the feed water and are only fundamentally a filter. They will become blocked at varying degrees by minerals from first day of usage. Volume of water, frequency of flushing, pressure, temperature and exposure to freezing all have massive influences on the membranes performance. Brodex does not guarantee their performance once they leave the factory.

WARRANTIES

WARRANTY SPECIFICATION

At Brodex Systems Ltd we strive towards excellence in the supply of world-class products and accessories for the window cleaning industry. We offer varying warranty periods, dependant on product, to protect you in the unlikely event of a product being shipped with a manufacturing defect. Our warranty conditions are summarised below:

MACHINES & ACCESSORIES

Pure Water Machines:	24 months Parts and Labour*
Flame Hot Water Machine:	24 months (to be returned to original manufacturer/ not Brodex)
Gas Water Heater:	12 months (to be returned to original manufacturer/ not Brodex)
Booster Pump:	12 months (to be returned to original manufacturer/ not Brodex)
Eco Trolley:	24 months manufacturing defects
Machine & Eco Trolley Batteries:	12 months manufacturing defects (due to variation in cycling frequencies dependant on usage)
Window Pumps:	24 months in a Brodex Systems Ltd Machine***

***For machines manufactured and installed by Brodex Systems Ltd Ltd. Not covered when bought separately and installed into a Non-Brodex Machine

WATER FED POLES & ACCESSORIES

SUMMIT Hybrid:	12 months manufacturing defects and cracks**
SUMMIT Aluminum:	24 months manufacturing defect and, cracks**
SUMMIT Carbon Fibre:	12 months manufacturing defects and cracks**
Butt Caps & Alloy Collars:	24 months
Pole or trolley hose:	Not covered due to ground friction damage

All clamp levers, section clamps and associated pole items do not have warranty against wear and tear, these items are only covered against manufacturers defects and should be checked upon receipt and first time use within the 30 day period

** Does not cover wear and tear, accidental damage, or any goods modified by user

HOSE TROLLEYS & ACCESSORIES

Hose Trolleys:	Not covered under warranty
Pole or trolley hose:	Not covered due to ground friction damage
TDS Meters:	3 months manufacturing defects
Brass fittings on the manifolds:	Not covered under warranty
Brass fittings connected to hose:	Not covered due to inevitable ground friction damage
For all other non listed items:	30 days manufacturing defects

*Van-mounted by Brodex, all repairs are carried out at Brodex premises, not in the field. No warranty on membrane. Please note that the installation of a water softener to feed any reverse osmosis systems may prolong lifespan of membranes. Brodex recommend that in hard water areas, a local softener supplier is employed to install a static water softener at client premises. Regular flushing of membranes will increase lifespan of membranes and is recommended at weekly intervals. There is an economic balance decision to be made as to whether a softener is necessary.

Brodex

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