



Lightweight

# WATERFED POLES



Quality without compromise



## IONIC HYDRA™ WATERFED POLE

Hydra is a lightweight but strong pole platform that window cleaners can configure based upon their specific needs. Therefore just like the mythical Greek serpent Ionic's Hydra™ pole is available with a number of head options.

### WEIGHT SAVING

The first thing you notice about the Hydra™ pole is just how light it is. Ionic has really focused on weight reduction and have reduced the wall thickness of every pole section, resulting in significant weight savings and maintained rigidity. Narrow handles provide a more comfortable grip. In order to achieve Ionic's lightest ever pole, every component came under scrutiny, with weight savings being made on nearly every part, from clamps to levers.

### ONE FINGER OPERATION CLAMPS

The second thing you notice are the next generation clamps on the Hydra™ pole, with slick one finger operation and adjustment these clamps feature patent pending spring assisted release to reduce tube section wear. In addition, the clamps are carefully crafted to ensure tight closure time after time year after year.

### PROTECTOR™ HANDLE AS STANDARD

The final thing you notice is that every Hydra™ pole comes standard with Ionic's unique Protector handle. The only waterfed pole to meet the British Standard for electrical safety is available to you at no extra cost. It seems that there is barely a month that goes by without news of a window cleaner electrocuted at work. Whilst safer than ladders Ionic believe that waterfed poles should be a no-risk alternative.

**PROTECTOR**  
BS8020:2011 ⚡ 1000 V 19

10FT 7"  
POLE

# HYDRA™

The Hydra™ lightweight waterfed pole range marks Ionic Systems effort to consolidate, improve and simplify its waterfed pole range. Hydra™ is an adaptive, compact and versatile pole, with several features and benefits to enhance your work experience and reduce time on the job

## HEAD OPTIONS

The Hydra™ range adopted the tried and tested heads of Ionic's previous Grafter™, Glyder™, Swift™ and Vertigo™ waterfed poles. This means you can select your preferred head and brush assembly, and benefit from the numerous features that are standard on the Hydra™ pole range, including; light weights, compact sizes, next generation clamps, tubeless storage, protective handle and water-flow shut off.



## THE HEADS GRAFTER

### GRAFTER™ HEAD

Suited mainly for residential cleaning, it comes as standard with a non-curling monofilament nylon bristle brush and adjustable angle crank.



## SWIFT

### SWIFT™ HEAD

This head is extremely robust and optimised for commercial window cleaning. Available with 14", 18" or 24" brushes.



## VERTIGO

### VERTIGO™ STANDARD HEAD

The tubeless waterfed angle crank of the Vertigo™ head has been beefed up to provide extra rigidity for precise cleaning. When combined with this fixed brush head/adjustable angle-crank option, Hydra's lightweight precision is enhanced to the max.



### VERTIGO™ QUICK-RELEASE HEAD

The Vertigo™ quick release option has an improved design to overcome weakness and improve the fit of the ever increasing range of interchangeable tools, which enable a wide range of cleaning duties.



## BRUSH / NECK OPTIONS

### RESIDENTIAL BRUSH/ANGLE-CRANK FOR GRAFTER™ HEAD

Connects to the angle-crank directly to give an adjustable head. With double-trim, monofilament nylon bristles, which resist curling and softening (even with hot water). Dual water-jets embedded in the bristle stock enable thorough rinsing.



### COMMERCIAL BRUSH/GOOSENECK FOR SWIFT™ HEAD

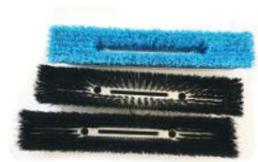
Ionic commercial brush heads are available in 14", 18" and 24" sizes. There are 2 brush types available, double trim, which is ideal for window cleaning and flocked which is more suitable for cladding and delicate surface cleaning.



Ionic commercial goosenecks are available in 9-inch, 24-inch and 36-inch sizes. Each size is also available with a 90-degree angle, perfect for cleaning solar panels.

### BRUSH RANGE/NECKS FOR VERTIGO™ HEADS

Similar to the commercial brushes, Vertigo™ brush heads are available with dual-trim or flocked bristles, with some further options too. You can opt for the standard brush, with densely packed bristles for optimum cleaning, or choose the lightweight version with fewer bristles for a significant weight saving. Sizes 14" and 18" are available for Vertigo™ heads.



Vertigo™ brushes come with an integrated rinse bar. You have the option of a pencil jet or fan jet sprayer.

#### Pencil Jet



#### Fan Jet



Vertigo™ necks are available in 6", 9" and 15" lengths. \* These neck length options are available for the Vertigo™ Quick Release head only.

## COMPACT SIZES

Hydra™ is a compact pole when collapsed, making it suitable for transporting in smaller and large window cleaning vans. The length range is covered by 4 collapsed sizes: 5ft 2", 6ft 3", 7ft 3" and 10ft 7".

There are two options for the 45ft Hydra™. Both are Carbon fibre. The difference between the two is the collapsed length of the pole, one is 6ft 3" and the other 7ft 3" when collapsed. The benefit of the longer option is that it can be converted to a 55ft or 65ft pole in the future. The shorter is more compact and versatile and more suited for smaller vans.



7FT 3" POLES

6FT 3" POLES

5FT 2" POLES

17FT  
21FT  
24FT  
28FT  
32FT

45FT  
55FT  
65FT

80FT



### SPRING LOADED CLAMPS

Combined with wear resistant telescopic tubes, Ionic's patent pending spring assisted pole clamps ensures smooth action, whilst minimising wear in the pole sections. While other designs ensure that poles remain clamped as the section wears, our focus was to engineer out factors that contribute to pole tube wear in the first place. In doing so Ionic's poles last considerably longer, retain their performance and save you money over time.



### MORE THAN JUST A WATERFED POLE

When you opt for the Vertigo™ quick release head, you have the ability to transform your Hydra™ into a multipurpose tool. With the Moerman push-fit adapter you can fit a range of Moerman hand tools to the Vertigo™ Q/R head, including squeegees, t-bars, scrapers etc. The Vertigo™ quick release spray nozzles is perfect for rinsing, and allows the application of a foam cleaner when combined with Ionic's Constant Flow™ automatic pump system.



GLASS FIBRE

CARBON FIBRE

HYDRA	Reach Length		Sections	Extended Length		Collapsed Length		Weights		Handle Diameter
	ft	m		ft	m	ft	m	Pole Only	Pole Inc Lightest Brush/Head	
Hydra GF 17/5	17ft	5.18m	3	13ft 5in	4.09m	5ft 2in	1.58m	912 Kg	1.29 Kg	29.6mm
Hydra GF 21/5	21ft	6.40m	4	17ft 5in	5.29m	5ft 2in	1.58m	1.22 Kg	1.60 Kg	32.6mm
Hydra GF 24/5	24ft	7.32m	5	21ft 1in	6.44m	5ft 2in	1.58m	1.55 Kg	1.93 Kg	35.5mm
Hydra GF 28/5	28ft	8.53m	6	24ft 9in	7.56m	5ft 2in	1.58m	1.90 Kg	2.28 Kg	38.6mm
Hydra GF 32/5	32ft	9.75m	7	28ft 4in	8.63m	5ft 2in	1.58m	2.29 Kg	2.67 Kg	41.6mm
Hydra CF 21/5.2	21ft	6.40m	4	17ft 5in	5.29m	5ft 2in	1.58m	984 Kg	1.36 Kg	30.0mm
Hydra CF 24/5.2	24ft	7.32m	5	21ft 1in	6.44m	5ft 2in	1.58m	1.23 Kg	1.44 Kg	33.0mm
Hydra CF 28/5.2	28ft	8.53m	6	24ft 9in	7.56m	5ft 2in	1.58m	1.46 Kg	1.61 Kg	35.9mm
Hydra CF 32/5.2	32ft	9.75m	7	28ft 4in	8.63m	5ft 2in	1.58m	1.73 Kg	1.85 Kg	38.6mm
Hydra CF 35/6.3	35ft	10.67m	6	31ft 2in	9.50m	6ft 3in	1.92m	1.79 Kg	2.17 Kg	35.9mm
Hydra CFP 35/6.3	35ft	10.67m	6	31ft 2in	9.50m	6ft 3in	1.92m	1.79 Kg	2.17 Kg	35.9mm
Hydra CF 40/6.3	40ft	12.19m	7	35ft 9in	10.90m	6ft 3in	1.92m	2.10 Kg	2.48 Kg	38.6mm
Hydra CFP 40/6.3	40ft	12.19m	7	35ft 9in	10.90m	6ft 3in	1.92m	2.10 Kg	2.48 Kg	38.6mm
Hydra CF 45/6.3	45ft	13.72m	8	40ft 8in	12.40m	6ft 3in	1.92m	2.46 Kg	2.84 Kg	41.8mm
Hydra CFP 45/6.3	45ft	13.72m	8	40ft 8in	12.40m	6ft 3in	1.92m	2.46 Kg	2.84 Kg	41.8mm
Hydra CF 45/7.3	45ft	13.72m	7	40ft 8in	12.40m	7ft 3in	2.13m	2.88 Kg	3.26 Kg	41.8mm
Hydra CFP 45/7.3	45ft	13.72m	7	40ft 8in	12.40m	7ft 3in	2.13m	2.88 Kg	3.26 Kg	41.8mm
Hydra CF 55/7.3	55ft	16.76m	9	51ft 2in	15.60m	7ft 3in	2.13m	3.93 Kg	4.31 Kg	47.8mm
Hydra CFP 55/7.3	55ft	16.76m	9	51ft 2in	15.60m	7ft 3in	2.13m	3.93 Kg	4.31 Kg	47.8mm
Hydra CF 65/7.3	65ft	19.91m	11	60ft 8in	18.50m	7ft 3in	2.13m	5.02 Kg	5.41 Kg	54.0mm
Hydra CFP 65/7.3	65ft	19.91m	11	60ft 8in	18.50m	7ft 3in	2.13m	5.02 Kg	5.41 Kg	54.0mm
Hydra CFP 80/10.7	80ft	24.38m	10	76ft 1in	23.20m	10ft 7in	3.26m	7.97 Kg	8.36 Kg	50.6mm

\*Hydra™ CFP Poles have even greater rigidity Carbon Fibre



## HYDRA FEATURES

### TUBELESS QUICK CONNECTION

Push fit style connection allows for quick connection to and from the pole, saving you time and money. The twist and lock feature within the protective housing prevents accidental separation during use.

### WATER FLOW SHUT OFF

Allows the user to shut the water flow off by crimping the tube, meaning the pole can be left unsupervised with no water flowing, reducing unnecessary water usage and saving money.

## HYDRA FLYLEADS

Hydra™ is a tubeless pole, making it neat and tidy when storing in your van. The pole hose, known as a fly lead, is stored on your hose reel when not in use. Choosing the correct fly lead for your Hydra™ is dependent on how it is going to be used. For example, if you have one 32ft Hydra™ then you will require a 16 meter fly lead. But if you have multiple size poles then you only need to have a fly lead to fit your longest pole, so if you had a 32ft and a 55ft Hydra, a 22 meter fly lead would cover both poles. \*If you have more than one operator then a fly lead per hose reel will be required.



### Minimum fly lead length required (By pole length):

17ft - 7m    21ft - 7m    24ft - 10m    28ft - 10m    32ft - 16m  
 35ft - 16m    40ft - 16m    45ft - 16m    55ft - 22m    65ft - 22m  
 80ft - 26m



Ionic Systems Ltd, Westerngate,  
 Hillmead Enterprise Park  
 Swindon, Wiltshire, SN5 5WN  
 Telephone: (01793) 871 386

E-mail: [info@ionicsystems.com](mailto:info@ionicsystems.com)  
[www.ionicsystems.com](http://www.ionicsystems.com)

