HORIZON

HORIZON WATER-FED CIRCULAR SECTION POLES

Premium carbon and hybrid sections featuring a standard circular telescopic build. Equipped with budget-friendly orbital-style clamps, a lip and groove retention design to prevent rotation, and a three-pronged anti-kink base cap.

Horizon Carbon CONDUCTIVE SHAFT TESTED NON-CONDUCTIVE BASE

SIZE EXTENDED	SIZE COLLAPSED	SECTIONS	WEIGHT (g)
18 ft	151 cm / 4.95 ft	4	1044
22 ft	153 cm / 5.02 ft	5	1350
25 ft	175 cm / 5.74 ft	5	1532
30 ft	177 cm / 5.81 ft	6	1918

Horizon Hybrid CONDUCTIVE SHAFT TESTED NON-CONDUCTIVE BASE

SIZE EXTENDED	SIZE COLLAPSED	SECTIONS	WEIGHT (g)
18 ft	151 cm / 4.95 ft	4	1138
22 ft	153 cm / 5.02 ft	5	1500
25 ft	175 cm / 5.74 ft	5	1694
30 ft	177 cm / 5.81 ft	6	2162

NOTE ALL WEIGHTS LISTED ARE +/- 3% TOLERANCE

CONDUCTIVITY & ELECTRICAL SAFETY

The carbon-fibre, alloy and hybrid poles are fitted with a **tested non-conductive glass-fibre base section** — dielectric tested to **30 kV AC (30,000 V)** for **3 minute. pass**,no breakdown or flashover — giving an electrically insulated handling area at the base of the pole.

The upper carbon-fibre and alloy sections conduct electricity. The dielectric test applies to the glass-fibre base section only and does not make the complete pole insulated. Never allow any part of the pole to contact overhead power lines or energised equipment, and always maintain the legally required minimum approach distances.

CONDUCTIVE SHAFT Upper sections conduct – keep clear of power lines

TESTED NON-CONDUCTIVE BASE Glass-fibre base tested 30 kV AC

WINDOW CLEANING WAREHOUSE

PRODUCT DATA SHEET

TELESCOPIC POLE RANGE

Carbon / Hybrid Water-Fed Poles

A lightweight telescopic water-fed pole for professional cleaning of windows, glass façades, cladding and solar panels. Upper sections are high-modulus carbon fibre for stiffness and low weight; the lower base section is electrically non-conductive glass fibre providing an insulated handling area. **Not intended for live electrical working always keep clear of overhead power lines.**

CONSTRUCTION

COMPONENT	MATERIAL
Upper Sections	Model Dependent (Rolled Carbon Fibre, Hybrid Glass Fibre & Carbon Fibre)
Base Section	Electrical grade Glass Fibre & Kevlar Hybrid
Pole Clamps	Polyamide, Engineered Plastic Shims
Hose (WFP models only)	Internal Polyurethane / Hot Water Hose
End Cap	Impact-resistant polymer

TECHNICAL SPECIFICATION

Maximum working length	Up to 20 m (model dependent)
Collapsed Length	Model dependent
Pole Weight	Model dependent (see range tables)
Hose (WFP models only)	Internal
Water Supply (WFP models only)	Pure water system
Recommended Pressure (WFP models only)	30–100 psi
Operating temperature	+4°C to +60°C Ambient Water

ELECTRICAL CHARACTERISTICS – DIELECTRIC TEST

Section Tested	Glass Fibre Kevlar Hybrid base section
Test Standard	IEEE 516–2021
Test voltage	30 kV AC (30,000 V)
Duration	3 minute
Result	Pass - no breakdown or flashover

Test applies to the glass fibre kevlar hybrid base section under controlled laboratory conditions only. Hybrid & Carbon fibre sections are electrically conductive.

MECHANICAL PERFORMANCE

- High stiffness & low deflection
- Corrosion, UV and water resistant

QUALITY ASSURANCE

Manufactured under an ISO 9001 quality management system (where applicable). Each pole is:

- Visually inspected & function tested
- Clamp checked & hose pressure checked
- Serial number recorded (where applicable)

SAFETY INFORMATION

- Carbon fibre conducts electricity.
- Never use pole near unidentifed overhead powerlines or near any electrical source
- Maintain all legally required minimum approach distances.
- Always inspect pole sections before use.
- Do not use damaged or cracked sections.
- Do not modify the pole.
- Replace damaged clamps immediately.
- Base Sections are only an emergency secondary defense ONLY. Conduct risk assessments do not rely on them.

INTENDED USE

SUITABLE FOR	NOT SUITABLE FOR
Domestic and commercial window cleaning / Domestic and commercial valeting industries	Softwashing / Chemical Cleaning Applications / High-Pressure / Jet Washing industries
Purified Water / Water	Alkaline Solutions, Acidic Solutions, Bleach / Sodium Hypochlorite, Solvents, and Flammable Liquids
Non-electrical applications / Areas clear of overhead cables	Use near overhead powerlines / Live electrical applications or equipment
+4°C to +60°C Ambient Water	Hot Water (>70°C) or Freezing Conditions (<0°C)
Calm weather conditions / Clear Skies	High Winds / Storms / Risk of lightning
Vertical or angled cleaning pressures	Lateral pulling / bending / Using as a lever or support

CARE, STORAGE & WARRANTY

- Store dry, horizontally or vertically; avoid prolonged direct sunlight.
- Rinse after use in dusty/sandy environments; dry before long-term storage.
- Clean sections with fresh water; lubricate clamps with approved products only.
- Inspect for wear before each use; replace damaged sections immediately.
- Manufacturer's warranty applies against defects in materials and workmanship
- under normal commercial use.

IMPORTANT SAFETY NOTICE

Although the lower glass-fibre handle section has demonstrated a dielectric withstand capability of 30 kV AC under laboratory test conditions, **this does not make the complete pole electrically insulated.** The carbon-fibre sections are electrically conductive. This product must never be used near overhead power lines or energised electrical equipment. The dielectric test is intended for quality verification of the glass-fibre section only and must not be interpreted as approval for electrical protection or live working.