SAFETECH®
PROTECTION

AQUA SHIELD®

SAFETECH-PROTECTION.COM



UP TO 3.100 BAR
(45.000 PSI)

ENGINEERED FOR WATERBLASTING



So flexible that I can even climb a marine ladder, I never wore something like that!

Said the Hydrojetter during a demonstration

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PROTECTION



Hydrojetting operation is one of the most versatile and efficient industrial maintenance methods on the market, but one of the riskiest ones, since the Ultra High Pressure pressurized jet can cause serious injuries and even fatal accidents.

Safetech Protectionwas born from the experience of the more than 30 years in the Waterjetting market, and the need to protect the Hydrojet operator, who is frequently exposed to the risks of High Pressure Jets, with maximum efficiency and comfort.

Safety First

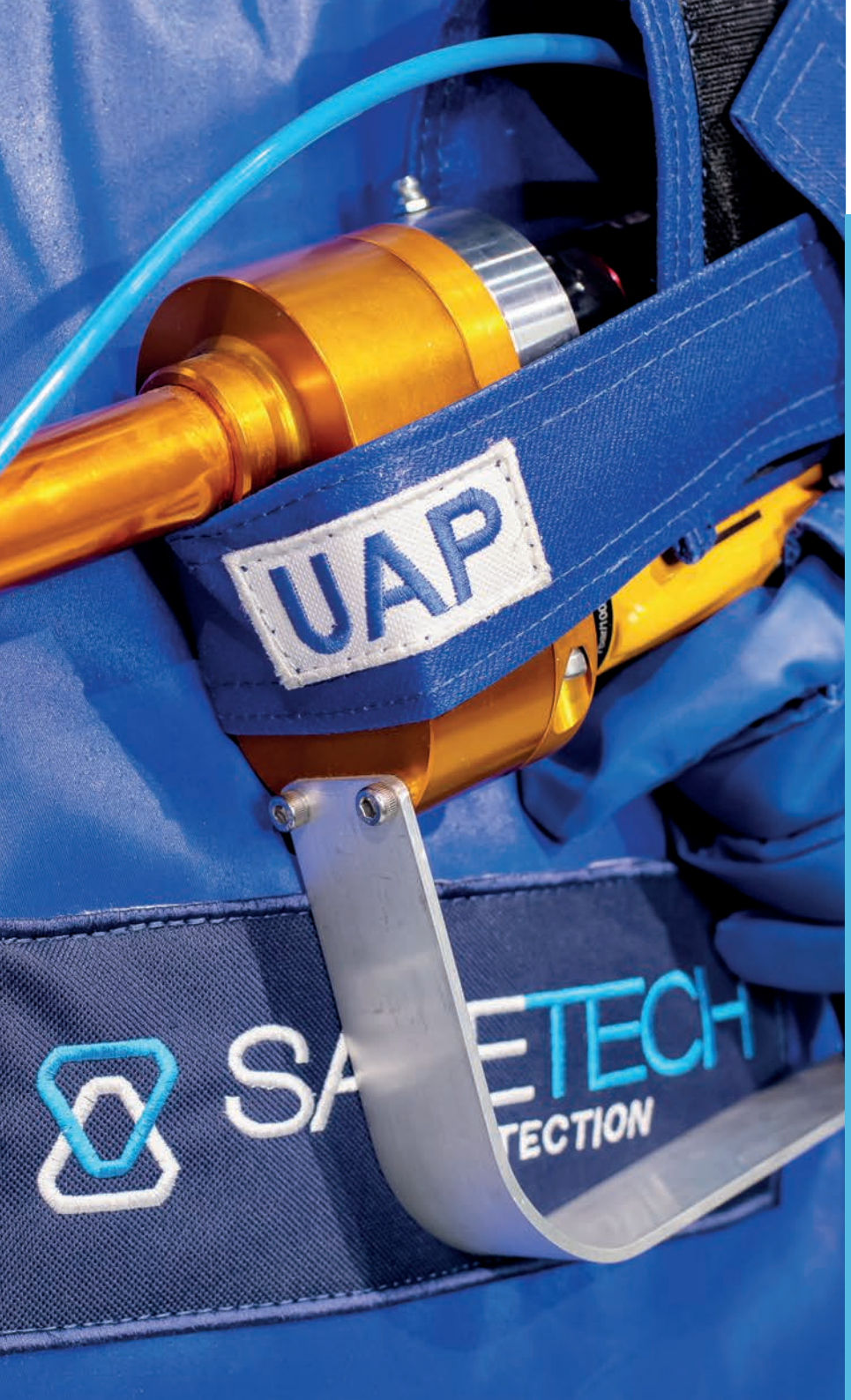
We transmit security not only in our products, but mainly through our positioning. We are a serious and ethical company that values the trust placed in us.

Cutting-edge technology

We are modern, use and seek the best technology in the service of saving lives.

Comfort as a differential

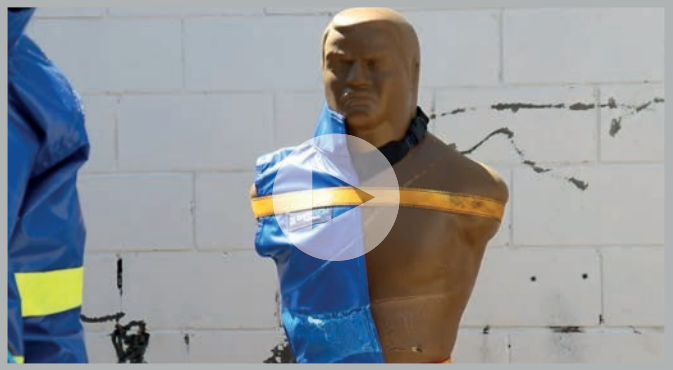
We know that it is often no use to offer a product of technical quality, we seek to mix resistive technology with ergonomics and thermal comfort.



OUR TECHNOLOGY

- Manufactured in state-of-the-art “ultra flex” fabric specifically developed for Hydrojetting application;
- Withstands high pressure water jets without crossing over to the opposite side;
- Ergonomic, allowing all movements of the hydrojetting operation;
- Available in Overall or Trousers + Jacket or Apron models;
- Impermeable external cover, preventing water mist from accumulating, causing discomfort and extra weight to the operator;
- High quality zipper for easy placement;
- Neck protector and hood are removable for more comfortable operation and without impairing the operator's field of vision depending on the position of the service.
- Gloves and gaiters;
- High-resistance hygienic underwear that reduces friction between the suit and the operator's skin (optional);
- Optional: "Air Comfort" internal cooling system with built-in air purifier and transport cart that reduces the temperature inside the outfit to 18˚C, with the capacity to supply up to 3 hydrojet operators simultaneously;

RESISTANCE TEST VIDEOS:
Scan the QR code to watch



UHP ACCIDENT SIMULATION
WITH AND WITHOUT PROTECTION



FABRIC BENCH TEST
UP TO 3.100 BAR (45 KPSI)





Model UAP - Light

Special protection level indicated for surface preparation companies and shipyards.

UAP Light					
	2.800 bar (40 kpsi)	04 x 0,35mm (0,014") 2500 rpm	75mm (3")	0,5 m/sec (20 in/sec)	OK
	700 bar (10 kpsi)	0,9mm (0,038")			

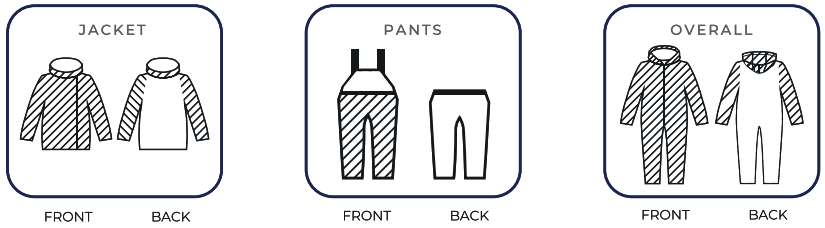
CODE	JACKET
HL-BL-UAP-UF-P/M	JACKET for Hydrojetting – UAP mod. ULTRA LIGHT – royal blue color – SIZE S/M
HL-BL-UAP-UF-G/GG	JACKET for Hydrojetting – UAP mod. ULTRA LIGHT – royal blue color – SIZE L/XL

CODE	PANTS
HL-CA-UAP-UF-P/M	TROUSERS for Hydrojetting – UAP mod. ULTRA LIGHT – royal blue color – SIZE S/M
HL-CA-UAP-UF-G/GG	TROUSERS for Hydrojetting – UAP mod. ULTRA LIGHT – royal blue color – SIZE L/XL

CODE	OVERALL
HL-CJ-UAP-UF-PP	OVERALLS for Hydrojetting – UAP mod. ULTRA LIGHT – royal blue color – SIZE XS
HL-CJ-UAP-UF-P	OVERALLS for Hydrojetting – UAP mod. ULTRA LIGHT – royal blue color – SIZE S
HL-CJ-UAP-UF-M	OVERALLS for Hydrojetting – UAP mod. ULTRA LIGHT – royal blue color – SIZE M
HL-CJ-UAP-UF-G	OVERALLS for Hydrojetting – UAP mod. ULTRA LIGHT – royal blue color – SIZE L
HL-CJ-UAP-UF-GG	OVERALLS for Hydrojetting – UAP mod. ULTRA LIGHT – royal blue color – SIZE XL

ENGINEERED FOR WATERBLASTING

STRIPED AREAS ARE PROTECTED



Model UAP - Max

Special protection level indicated for service companies and general use waterjetting.

UAP Max					
	3.100 bar (45 kpsi)	04 x 0,35mm (0,014") 2500 rpm	75mm (3")	0,5 m/sec (20 in/sec)	OK
	1.000 bar (15 kpsi)	0,9mm (0,038")			



CODE	JACKET
HJ-BL-UAP-UF-P/M	JACKET for Hydrojetting – UAP mod. ULTRA FLEX – royal blue color – SIZE S/M
HJ-BL-UAP-UF-G/GG	JACKET for Hydrojetting – UAP mod. ULTRA FLEX – royal blue color – SIZE L/XL

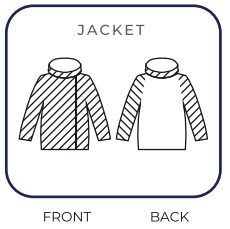
CODE	PANTS
HJ-CA-UAP-UF-P/M	TROUSERS for Hydrojetting – UAP mod. ULTRA FLEX – royal blue color – SIZE S/M
HJ-CA-UAP-UF-G/GG	TROUSERS for Hydrojetting – UAP mod. ULTRA FLEX – royal blue color – SIZE L/XL

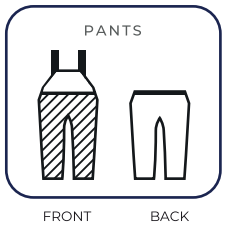
CODE	OVERALL
HJ-CJ-UAP-UF-PP	OVERALLS for Hydrojetting – UAP mod. ULTRA FLEX – royal blue color – SIZE XS
HJ-CJ-UAP-UF-P	OVERALLS for Hydrojetting – UAP mod. ULTRA FLEX – royal blue color – SIZE S
HJ-CJ-UAP-UF-M	OVERALLS for Hydrojetting – UAP mod. ULTRA FLEX – royal blue color – SIZE M
HJ-CJ-UAP-UF-G	OVERALLS for Hydrojetting – UAP mod. ULTRA FLEX – royal blue color – SIZE L
HJ-CJ-UAP-UF-GG	OVERALLS for Hydrojetting – UAP mod. ULTRA FLEX – royal blue color – SIZE XL

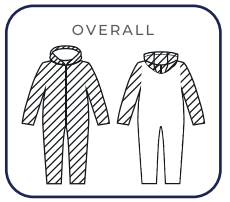
CODE	GLOVES
HJ-LV-UAP-UF-UN	GLOVES for Hydrojetting – UAP mod. ULTRA FLEX royal blue color – ONE SIZE FITS ALL

CODE	GAITERS
HJ-SB-UAP-UF-UN	GAITERS for Hydrojetting – UAP mod. ULTRA FLEX royal blue color – ONE SIZE FITS ALL

STRIPED AREAS ARE PROTECTED









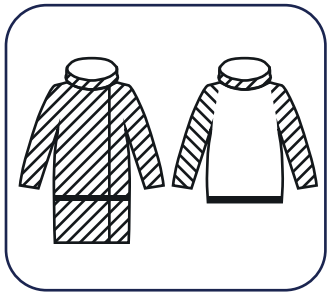


Our new UHP Jacket and Vest can be easily converted into an Apron.

Simply attaching an extension with zippers and it's done!

CODE	EXTENSION
HJ-EX-UF-UN	EXTENSION for Converting the UHP Jacket and Vest into an APRON

STRIPED AREAS ARE PROTECTED





How to dress

The ultra high pressure jacket and vest offer side and back adjustments.



OTHER PRODUCTS

CODE	VEST
HL-CO-UF-P/M	Vest for waterjetting UAP mod. ULTRA LIGHT size S/M - 2.800/700
HL-CO-UF-G/GG	Vest for waterjetting UAP mod. ULTRA LIGHT size L/XL - 2.800/700
HJ-CO-UF-P/M	Vest for waterjetting UAP mod. ULTRA FLEX size S/M - 3.100/1.000
HJ-CO-UF-G/GG	Vest for waterjetting UAP mod. ULTRA FLEX size L/XL - 3.100/1.000

*The Extension part can also be attached to the vest.





CODE	NECK PROTECTION
HJ-PP-UAP-UF-UN	Neck Protection for waterjetting UAP mod. ULTRA FLEX one size fits all

CODE	HOOD
HJ-CZ-UAP-UF-UN	Hood for waterjetting UAP mod. ULTRA FLEX one size fits all



Air Comfort System

- Air cooling system for operator providing excellent thermal comfort and greater productivity, reducing the temperature inside the outfit to 18 ° C (64,4°F);
- Capacity for up to 03 (three) simultaneous hydrojet operators;
- Integrated air purification system;
- 03 hoses with 12mts long thermal insulation;
- Practical trolley for transportation inside the plant;
- Power supply: 220v - single phase;
- Minimum air flow required: 60 pcm @ 5.0 bar (75 psi);
- Weight: 65 kg (143 lb);
- Code: HJ-AC-220V



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Impermeable Overalls Waterproof Model

Wet blasting

Airless Painting

Made of high mechanical, abrasion and chemical* resistant fabric with front closure with zipper and hood and can be use in combination with Air Comfort system.

Important: material not resistant to high pressure jets.
** Chemical resistance: sulfuric acid (18%) and sodium hydroxide (40%)*

CODE	OVERALLS WATERPROOF
HJ-WP-PP	Impermeable OVERALLS Waterproof mod. - royal blue color – SIZE XS
HJ-WP-P	Impermeable OVERALLS Waterproof mod. - royal blue color – SIZE S
HJ-WP-M	Impermeable OVERALLS Waterproof mod. - royal blue color – SIZE M
HJ-WP-G	Impermeable OVERALLS Waterproof mod. - royal blue color – SIZE L
HJ-WP-GG	Impermeable OVERALLS Waterproof mod. - royal blue color – SIZE XL





Wet blasting + Air Comfort



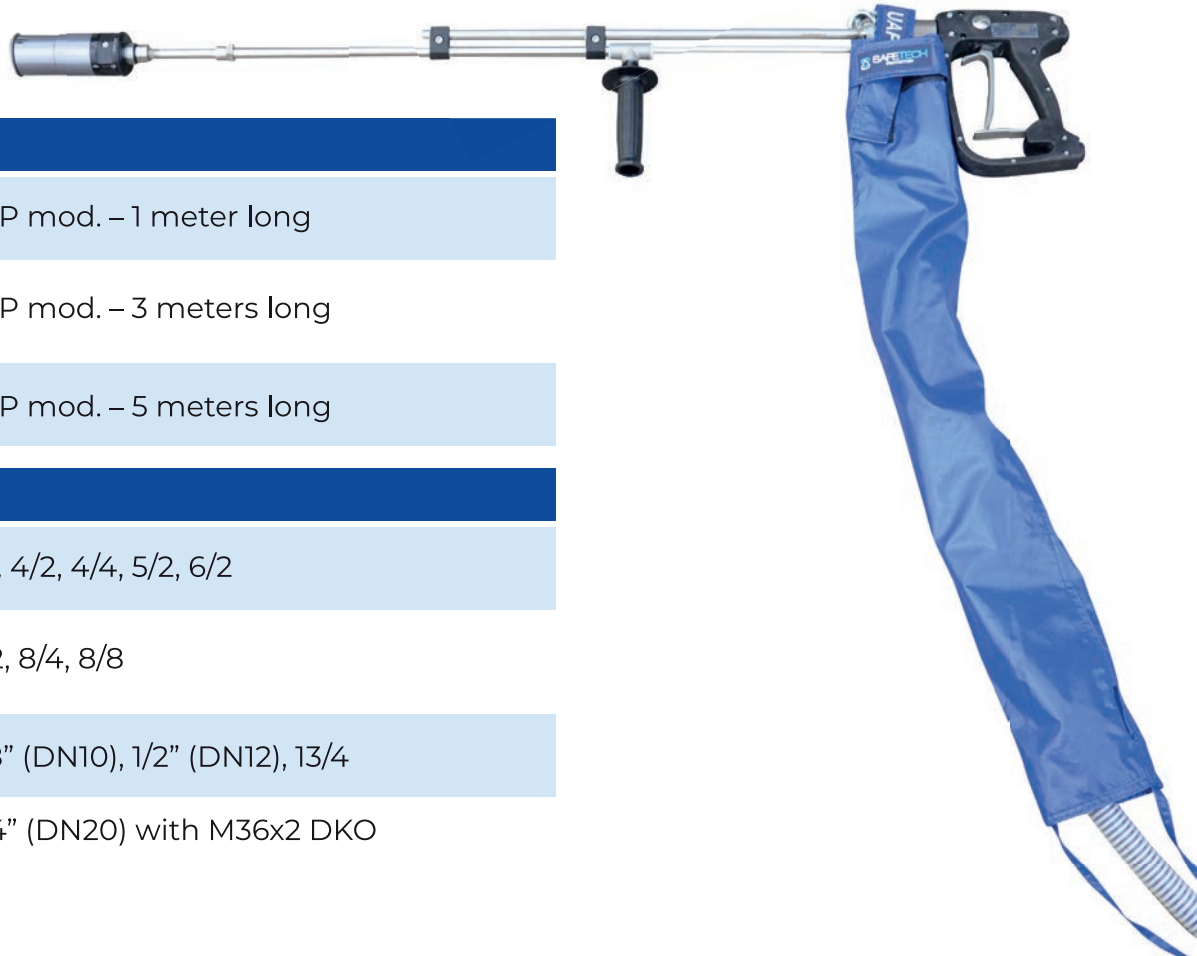
Airless painting + Air Comfort

Protective Cover and Whipsocks for Hoses

Hydrojetting hoses can pose an additional risk to the hydrojet operator.
The hose cover has the function of absorbing the impact of the energy released in the event of a rupture "muffling" the water jet and also the "whipping" resulting from this energy.

Note: Its use does not dispense with the use of whipchecks or whipsocks.





CODE	HOSE COVER
HJ-CM-UAP-UF-1	Protective cover for Hydrojetting hose – UAP mod. – 1 meter long
HJ-CM-UAP-UF-3	Protective cover for Hydrojetting hose – UAP mod. – 3 meters long
HJ-CM-UAP-UF-5	Protective cover for Hydrojetting hose – UAP mod. – 5 meters long

CODE	WHIPSOCKS
HJ-MS-1	Model 1 - Length 650mm - Hoses types: 3/2, 4/2, 4/4, 5/2, 6/2
HJ-MS-2	Model 2 - Length 650mm - Hoses types: 8/2, 8/4, 8/8
HJ-MS-3	Model 3 - Length 650mm - Hoses types: 3/8" (DN10), 1/2" (DN12), 13/4
HJ-MS-4	Model 4 - Length 500mm - Hoses types: 3/4" (DN20) with M36x2 DKO



Antifog Goggles

- Certified according to EN166 standard, point 3 and 4 for protection against droplets, splashes and large dust particles
- Panoramic lens easily integrated with prescription glasses
- Fast interchange lens system
- Frame engineered for a soft facial support
- Compatible with filtering half masks
- Lens with anti-fog and anti-scratch ultra performing



CODE	HOSE COVER
HJ-OP-AR-PF	Waterblasting goggle with anti-fog and anti-scratch



Magnetic and flexible Base

Integrated hook
Battery lifetime 2-5 hours





Confined Spaces Working Lamp

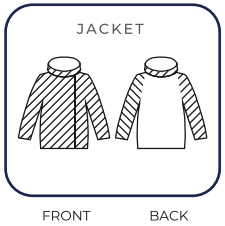
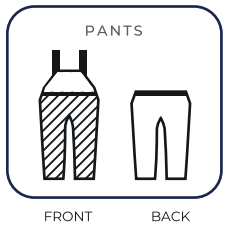
- Portable (wireless)
- Double Intensity 100% and 50%
- Lifetime of the battery: 2 hours (100% mode) and 5 hours (50% mode)
- Magnetic base for metallic surface
- Moisture resistant
- Super Bright LED - 2400 lumens
- 02 rechargeable LI batteries 3.7v 18650
- USB recharger
- Time to recharge: 3-6 hours
- Foldable base

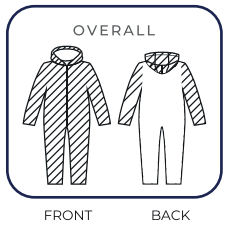
- Resistant plastic pack
- Lifetime of the LED 35.000 hours
- Height: 35 cm
- Width: 7 cm

CODE	SAFELIGHT
HJ-LU-LED-UN	Confined spaces working lamp



Technical Specifications

GARMENT	Model	Op. Size (metric)	Product Weight
	UAP Light	S/M - 1.50 to 1.70 L/XL - 1.70 to 1.95	1.4kg (3.0Lb) 1.7kg (3.7Lb)
	UAP Max	S/M - 1.50 to 1.70 L/XL - 1.70 to 1.95	2.4kg (5.3Lb) 2.7kg (5.9Lb)
	UAP Light	S/M - 1.50 to 1.70 L/XL - 1.70 to 1.95	1.1kg (2.4Lb) 1.4kg (3.0Lb)
	UAP Max	S/M - 1.50 to 1.70 L/XL - 1.70 to 1.95	1.8kg (3.9Lb) 2.0kg (4.4Lb)

GARMENT	Model	Op. Size (metric)	Product Weight
	UAP Light	XS - <1.60 S - 1.60-1.70 M - 1.70-1.80 L - 1.80 - 1.90 XL - >1.90	1.9kg (4.2Lb) 2.1kg (4.6Lb) 2.3kg (5.0Lb) 2.6kg (5.7Lb) 2.8kg (6.2Lb)
	UAP Max	XS - <1.60 S - 1.60-1.70 M - 1.70-1.80 L - 1.80 - 1.90 XL - >1.90	3.4kg (7.5Lb) 3.6kg (7.9Lb) 3.8kg (8.4Lb) 4.0kg (8.8Lb) 4.2kg (9.2Lb)

CARE AND WASH INSTRUCTIONS

Garments can be hand washed with brush or a soap solution.

Dry in the shade and ventilated area.

Never expose the garments to solvents or diesel and not in direct sunlight.



Hand wash.
Water temperature not above 40°C or 105°F

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CNPJ (Corporate Number): 38.118.499/0001-09
I.E. (State Registration): 334.051.143.112

MORE INFORMATION:

MEMBER OF WJTA® WATERJET TECHNOLOGY ASSOCIATION

IMPORTANT NOTES:

IMPORTANT:

1) Personal protective equipment is the operator's last resort, that is, it minimizes damage in the event of an accident.

2) All safety instructions must be followed to the letter.

3) Different parameters such as Pressure, Flow, Nozzle Type, Distance and Speed can generate different protection results and consequent water penetration in the outfit.

Safetech Protection assumes no legal liability in connection to the products and reserves the right to discontinue models and designs without prior notice.

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