

Product Catalogue

HOWEVERJET®

Easy Using And Safety Products



- Marine High Pressure Cleaner
- High Pressure Washing Equipment
- High Pressure Water Blaster
- Cargo Hold Cleaning Robot (CHCR)

Your Cleaning Solution • **2026**

Shanghai Howeverjet Technology Co., Ltd.

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About Howeverjet

Howeverjet, is specialized in high pressure water jet product development, production, sales and consulting. With professional design and service team, actively introducing international advanced technology and key equipment, the company has been committed to providing easy-to-use and safe high-pressure water jet application products for the Chinese market since 2005. With years of hard work and exploration, we have successfully developed a variety of series of high-pressure water jet suitable for the Chinese market and provided customers with various high-pressure water jet application solutions, high-pressure water products and accessories, as well as high-pressure water jet technical consultation and product maintenance services.

In 2009, the company took the lead in achieving the ISO9001 quality management system certification which is applicable to design, development, production and sales of high-pressure water jet equipment and accessories; at same time, we adopted ERP system to manage the production and operation process, which improved efficiency and quality of production.

Our main products are: high-pressure cleaners, explosion-proof high-pressure cleaners, marine high-pressure cleaners, cargo hold cleaning, cargo hold cleaning robot, tank washing machine, high-pressure hot water cleaners, high-pressure water pumps, test pressure pump sets, high-pressure fine water mist equipment, pipeline dredging equipment and high-pressure water accessories.

The maximum flow rate of the series of complete sets of products can reach 1280 L/Min, the highest working pressure can reach 1500Bar, optional motor, diesel or gasoline engine drive, hydraulic motor; installation form can choose fixed or mobile Our products can also be customized according to customer requirements.



Pneumatic

Electric



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AH200



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EP110/EP170/EP200



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EP240/EP280S/EP300



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EP360

Electric



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EP500S



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EP500SS



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HP500



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HP800S/HP1000S/HP1250

Electric

Hot Water



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HP800/HP1000/HP1500



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EEH250P/EEH300P



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EH210P



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EH280P

Explosion-proof



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HBP200/HBP250



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HBP800S/HBP1000S



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HBP1000/HBP1300

Diesel / Gasoline engine — Spraying Chemical Unit —



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P200/P350/P500



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P22/500



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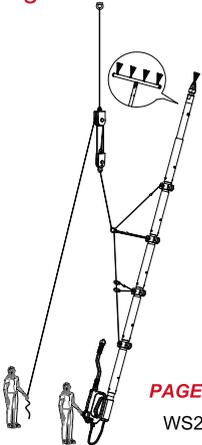
HCP50



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GI28/700

Cargo Hold Cleaning — Robot — Tank Washing Machine —



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WS20



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HPP18



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CHCR25



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TWM30

Stationary High Pressure System — Marine High Pressure Water Mist System —



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Simple Cleaning Series - Pneumatic

Applications:

- Petroleum and petrochemical plants
- Drilling platforms
- Oil field reservoirs
- Chemical vessels

Typical applications:

- Pipeline cleaning and dredging
- Chemical tank cleaning, reactor cleaning
- Oil and scale cleaning
- Wax and gum removal
- Filters and filter bags cleaning
- Ground cleaning and maintenance

General Features:

- Triplex ceramic plunger pump
- Unloading type relief valve: infinitely adjustable pressure
- Stainless steel shock-resistant pressure gauge
- Precision inlet water filtration
- Water temperature protection

Standard Accessories:

- High pressure hose, 10m
- Spray gun
- Stainless steel lance, 900mm
- Flat spray nozzle, 15°
- Straight jet nozzle
- Inlet hose: 5m



AH200

Optional Accessories:

- High pressure hose, 20/30/40/50(m)
- Stainless steel lance, 300/500/1500(mm)
- Rotating nozzle
- Drain cleaning nozzle
- Drain cleaning hose
- Floor cleaner-rotating nozzle
- High pressure heater
- Sand blaster

Technical Data		AH200
Pressure	Bar/psi	200/2900
Flow	L/min	15
Power Rating	Kw	6.5
Air Pressure	Bar	5.0-7.0
Air Consumption	m ³ /min	7.8
Weight	Kg	71
Dimensions	mm	730x480x820
Code		0140102
IMPA Code		734087 、 590851

Simple Cleaning Series - Electric

Applications:

The Simple Cleaning Series are used for the following:

- Tank cleaning
- Ship hull cleaning
- Descaling
- Deck cleaning
- Cargo hold cleaning

General Features:

- Triplex pump with 3 ceramic plungers
- Unloader valve, with by-pass system, infinitely variable volume and pressure
- Stainless steel liquid filled pressure gauge
- Micro Water Filter
- Temperature protection
- Motor with thermal protection
- Industrial motor, S1, IP55, F
- Pump and motor separated by flexible clutch
- Wheel heavy trolley mounted unit, epoxy painting



EP110/EP170/EP200

Standard Accessories:

- High pressure hose, 10m
- Spray gun
- Stainless steel lance, 900mm
- Flat spray nozzle, 15°
- Straight jet nozzle
- Cable: 5m
- Inlet hose: 5m

Optional Accessories:

- High pressure hose, 20/30/40/50(m)
- Stainless steel lance, 300/500/1500(mm)
- Rotating nozzle
- Drain cleaning nozzle
- Drain cleaning hose
- Floor cleaner-rotating nozzle
- High pressure heater
- Sand blaster

Technical Data		EP110	EP170	EP200	
Pressure	Bar/psi	110/1595	170/2465	200/2900	
Flow	L/min	11	11	16	
Power Rating	Kw	2.2	3.45	6.3	
Power Supply		110V/1P 60Hz	220V/1P 60Hz	440V/3P 60Hz	220V/3P 60Hz
Weight	Kg	54	61	70	
Dimensions	mm	730x480x820	730x480x820	730x480x820	
Code		0120027	0120001	0120024	0120028
IMPA Code		590857	590852/53	590854/55/56 、 590736/37	

Deep Cleaning Series - Electric

Applications:

The Simple Cleaning Series are used for the following:

- Tank cleaning
- Ship hull cleaning
- Descaling
- Deck cleaning
- Cargo hold cleaning



EP240/EP280S/EP300

General Features:

- Triplex pump with 3 ceramic plungers
- Unloader valve, with by-pass system, infinitely variable volume and pressure
- Stainless steel liquid filled pressure gauge
- Micro Water Filter
- Temperature protection
- Motor with thermal protection
- Industrial motor, S1, IP55, F, with 100% running time (24h running)
- Pump and motor separated by flexible clutch
- Wheel heavy trolley mounted unit, epoxy painting

Standard Accessories:

- High pressure hose, 10m
- Spray gun
- Stainless steel lance, 900mm
- Flat spray nozzle, 15°
- Straight jet nozzle
- Cable: 5m
- Inlet hose: 5m

Optional Accessories:

- High pressure hose, 20/30/40/50(m)
- Stainless steel lance, 300/500/1500(mm)
- Rotating nozzle
- Drain cleaning nozzle
- Drain cleaning hose
- Floor cleaner-rotating nozzle
- High pressure heater
- Sand blaster

Technical Data		EP240	EP280S	EP300
Pressure	Bar/psi	240/3480	280/4060	300/4350
Flow	L/min	24	18	20
Power Rating	Kw	10.5	10.5	10.5
Power Supply		440V/3P 60Hz	440V/3P 60Hz	440V/3P 60Hz
Weight	Kg	116	116	116
Dimensions	mm	920x570x840	920x570x840	920x570x840
Code		0120003	0120004	0120005
IMPA Code			590735 、 590870	

Derusting Series - Electric

Applications:

The Derusting Series are used for the following:

- Tank cleaning
- Ship hull cleaning
- Marine surface prep
- Derusting
- Clear oyster
- Descaling
- Deck cleaning
- Cargo hold cleaning

General Features:

- Triplex pump with 3 ceramic plungers
- Unloader valve, with by-pass system, infinitely variable volume and pressure
- Stainless steel liquid filled pressure gauge
- Micro Water Filter
- Lack of water protection
- Temperature protection
- Motor with thermal protection
- Industrial motor, S1, IP55, F, with 100% running time (24h running)
- Pump and motor separated by flexible clutch
- Wheel heavy trolley mounted unit, epoxy painting

Standard Accessories:

- High pressure hose, 10m
- Spray gun
- Stainless steel lance, 900mm
- Flat spray nozzle, 15°
- Straight jet nozzle
- Cable: 5m
- Inlet hose: 5m



EP360



EP500S

Stainless steel frame



EP500SS

Technical Data		EP360	EP500S	EP500SS
Pressure	Bar/psi	360/5220	500/7250	500/7250
Flow	L/min	25	18	18
Power Rating	Kw	17.3	17.3	17.3
Power Supply		440V/3P 60Hz	440V/3P 60Hz	440V/3P 60Hz
Weight	Kg	188	192	195
Dimensions	mm	1000x530x820	1000x530x820	1000x530x860
Code		0120006	0120023	0120030
IMPA Code		590858	590859、590864、590865、590871	

Derusting Series - Electric

Applications:

The Derusting Series are used for the following:

- Tank cleaning
- Ship hull cleaning
- Marine surface prep
- Derusting
- Clear oyster
- Descaling
- Deck cleaning

General Features:

- Triplex pump with 3/5 ceramic plungers
- Unloader valve, with by-pass system, infinitely variable volume and pressure
- Stainless steel liquid filled pressure gauge
- Micro Water Filter
- Lack of water protection
- Temperature protection
- Motor with thermal protection
- Industrial motor, S1, IP55, F, with 100% running time (24h running)
- Pump and motor separated by flexible clutch
- Wheel heavy trolley mounted unit, epoxy painting

Standard Accessories:

- High pressure hose, 20m
- Spray gun
- Flat spray nozzle, 15°
- Straight jet nozzle
- Cable: 5m
- Inlet hose: 5m



HP500



HP800S/HP1000S/HP1250

Technical Data		HP500	HP800S	HP1000S	HP1250
Pressure	Bar/psi	500/7250	800/11600	1000/14500	1250/18000
Flow	L/min	33	24	18	18
Power Rating	Kw	33.5	33.5	33.5	41.5
Power Supply		440V/3P 60Hz	440V/3P 60Hz	440V/3P 60Hz	440V/3P 60Hz
Weight	Kg	425	515	515	565
Dimensions	mm	1270x700x1000	1270x700x1000	1270x700x1000	1270x700x1000
Code		0120009	0120020	0120021	0120026
IMPA Code		590871	590872/73/74	590873	

UHP Series - Electric

Applications:

The UHP Series are used for the following:

- Tank cleaning
- Ship hull cleaning
- Marine surface prep
- Derusting
- Clear oyster
- Descaling
- Deck cleaning
- Container cleaning
- Heat exchanger tube cleaning & pipe cleaning



HP800/HP1000/HP1500

General Features:

- Triplex pump with 3 ceramic plungers
- Unloader valve, with by-pass system, infinitely variable volume and pressure
- Stainless steel liquid filled pressure gauge
- Micro Water Filter
- Lack of water protection
- Temperature protection
- Motor with thermal protection
- Industrial motor, S1, IP55, F, with 100% running time (24h running)
- Pump and motor separated by flexible clutch
- Wheel heavy trolley mounted unit, epoxy painting

Standard Accessories:

- High pressure hose, 20m
- Spray gun
- Flat spray nozzle, 15°
- Straight jet nozzle
- Cable: 5m
- Inlet hose: 5m

Technical Data		HP800	HP1000	HP1500
Pressure	Bar/psi	800/11600	1000/14500	1500/21750
Flow	L/min	30	24	16
Power Rating	Kw	41.5	41.5	41.5
Power Supply		440V/3P 60Hz	440V/3P 60Hz	440V/3P 60Hz
Weight	Kg	780	780	780
Dimensions	mm	1500x930x1150	1500x930x1150	1500x930x1150
Code		0120010	0120011	0120031

Hot Water Series - Electric Heating

Applications:

The Hot water Series are used for the following:

- Scavenging oil
- Scavenging wax
- Remove dirt
- Scavenging chemical residue

General Features:

- Triplex pump with 3 ceramic plungers
- Unloader valve, with by-pass system, infinitely variable volume and pressure
- Stainless steel liquid filled pressure gauge
- Micro Water Filter
- Temperature protection
- Wheel heavy trolley mounted unit, epoxy painting
- Eco boiler system
- Built-in the detergent tanks
- Reduction in cleaning time and use of chemicals
- Reduced emissions and fuel consumption
- Easy to transport and operate



EEH250P/EEH300P

Standard Accessories:

- High pressure hose, 10m
- Spray gun
- Stainless steel lance, 900mm
- Flat spray nozzle, 15°
- Straight jet nozzle
- Inlet hose: 5m

Technical Data		EEH250P	EEH300P
Pressure	Bar/psi	250/3625	300/4350
Flow	L/min	14	14
Power Rating	Kw	25	27
Power Supply		440V/3P 60Hz	440V/3P 60Hz
Heating Mode		Electric	Electric
Operating Temperature	°C	20~70	20~70
Weight	Kg	192	210
Dimensions	mm	1050×760×1020	1050×760×1020
Code		0150108	0150107

Hot Water Series - Fuel Heating

Applications:

The Hot water Series are used for the following:

- Scavenging oil
- Scavenging wax
- Remove dirt
- Scavenging chemical residue

General Features:

- Triplex pump with 3 ceramic plungers
- Unloader valve, with by-pass system, infinitely variable volume and pressure
- Stainless steel liquid filled pressure gauge
- Micro Water Filter
- Temperature protection
- Wheel heavy trolley mounted unit, epoxy painting
- Eco boiler system
- Built-in the detergent tanks
- Reduction in cleaning time and use of chemicals
- Reduced emissions and fuel consumption
- Easy to transport and operate



EH210P



EH280P

Standard Accessories:

- High pressure hose, 10m
- Spray gun
- Stainless steel lance, 900mm
- Flat spray nozzle, 15°
- Straight jet nozzle
- Inlet hose: 5m

Technical Data		EH210P	EH280P
Pressure	Bar/psi	200/2900	280/4060
Flow	L/min	18	18
Power Rating	Kw	6.6	10.5
Power Supply		440V/3P 60Hz	440V/3P 60Hz
Heating Mode		Fuel	Fuel
Operating Temperature	°C	20~120	20~120
Weight	Kg	118	200
Dimensions	mm	970x600x900	1050x760x1070
Code		0150106	0150012

Exd Series - Electric (Exd II BT4)

Applications:

The Exd Series (Exd II BT4) are used for the following:

- Cleaning reaction still, tank, bucket and groove, etc
- Pipe cleaning and dredging
- Cleaning tabulation of heat exchanger, condenser and etc.
- Get rid of oil and grease.
- Cleaning floor
- Cleaning equipment

General Features:

- Industrial ceramic plunger pump
- Unloader valve: adjust pressure
- Stainless Steel Vibration-proof Pressure gauge
- Precise inlet filter
- Water temperature protection
- Overheating, overload and under-voltage protection
- Motor: Exd II BT4 S1 level, 24 hours continuous working
- Drive: coupling
- Rack: Epoxy coated steel frame, movable

Standard Accessories:

- High pressure hose, 10m
- Spray gun
- Stainless steel lance, 900mm
- Flat spray nozzle, 15°
- Straight jet nozzle
- Cable: 5m
- Inlet hose: 5m



HBP200/HBP250



HBP360/HBP500

★ All models of Explosion-proof series are available with EX certification

Technical Data		HBP200	HBP250	HBP360	HBP500
Pressure	Bar/psi	200/2900	250/3625	360/5200	500/7250
Flow	L/min	15	15	22	16
Power Rating	Kw	5.5	7.5	15	15
Power Supply		440V/3P 60Hz	440V/3P 60Hz	440V/3P 60Hz	440V/3P 60Hz
Weight	Kg	136	146	260	260
Dimensions	mm	920x570x840	920x570x840	1000x530x820	1000x530x820
Code		0120204	0120205	0142005	0120200
IMPA Code					590798

Exd Series - Electric (Exd II BT4)

Applications:

The Exd Series (Exd II BT4) are used for the following:

- Cleaning reaction still, tank, bucket and groove, etc
- Pipe cleaning and dredging
- Cleaning tabulation of heat exchanger, condenser and etc.
- Get rid of oil and grease.
- Cleaning floor
- Cleaning equipment

General Features:

- Industrial ceramic plunger pump
- Unloader valve: adjust pressure
- Stainless Steel Vibration-proof Pressure gauge
- Precise inlet filter
- Water temperature protection
- Overheating, overload and under-voltage protection
- Motor: Exd II BT4 S1 level, 24 hours continuous working
- Drive: coupling
- Rack: Epoxy coated steel frame, movable



HBP800S/HBP1000S



HBP1000/HBP1300

Standard Accessories:

- High pressure hose, 20m
- Spray gun
- Flat spray nozzle, 15°
- Straight jet nozzle
- Cable: 5m
- Inlet hose: 5m



★ All models of Explosion-proof series are available with EX certification

Technical Data		HBP800S	HBP1000S	HBP1000	HBP1300
Pressure	Bar/psi	800/11600	1000/14500	1000/14500	1300/18850
Flow	L/min	24	18	24	18
Power Rating	Kw	30	30	37	37
Power Supply		440V/3P 60Hz	440V/3P 60Hz	440V/3P 60Hz	440V/3P 60Hz
Weight	Kg	455	455	850	850
Dimensions	mm	1270x700x1000	1270x700x1000	1500x930x1150	1500x930x1150
Code		0120201	0120202	0120304	0120203

High Pressure Cleaning Series - Gasoline

Applications:

- The High Pressure Cleaning Series - Gasoline can be used in the following fields:
- Municipal Sanitation, Petrochemical Industry, Mechanical Manufacturing,
 - Electric Power, Automobile, Marine, Railway and High Way,
 - Construction, Metallurgy, Pharmaceutical, Food Processing,·
 - Mining and other industrial fields.



P200/P350/P500

General Features:

- Triplex ceramic plunger pump: brass pump head
- Unloader valve: Stepless adjustable pressure
- Stainless steel oil filled shock resistant pressure regulator
- Precise inlet filter
- 19L stainless steel water tank
- Water temperature protection
- 23HP gasoline motor
- Spray-paint frame with solid heavy tire

Standard Accessories:

- High pressure hose, 10m
- Spray gun
- Stainless steel lance, 900mm
- Flat spray nozzle
- Straight jet nozzle
- Inlet hose: 5m

Optional Accessories:

- High pressure hose, 20/30/40/50(m)
- Stainless steel lance, 300/500/1500(mm)
- Rotating nozzle
- Drain cleaning nozzle
- Drain cleaning hose
- Floor cleaner-rotating nozzle
- High pressure heater
- Sand blaster

Technical Data		P200	P350	P500
Pressure	Bar/psi	200/2900	350/5075	500/7250
Flow	L/min	15	21	16
Power Consumption	Hp	13	23	23
Volume	L	6	17	17
Weight	Kg	131	151	156
Dimensions	mm	1030X700X930	1000×530×950	1000×530×950
Code		0130022	0130005	0130006
IMPA Code		590860/61/62、 590878		590875

High Pressure Cleaning Series - Gasoline

Applications :

The High Pressure Cleaning Series - Gasoline can be used in the following fields:

- Municipal Sanitation, Petrochemical Industry, Mechanical Manufacturing,
- Electric Power, Automobile, Marine, Railway and High Way,
- Construction, Metallurgy, Pharmaceutical, Food Processing,
- Mining and other industrial fields.

General Features :

- Triplex ceramic plunger pump: brass pump head
- Unloader valve: Stepless adjustable pressure
- Stainless steel oil filled shock resistant pressure regulator
- Precise inlet filter
- 19L stainless steel water tank
- Water temperature protection
- 35HP gasoline motor
- Spray-paint frame with solid heavy tire



P22/500

Standard Accessories:

- High pressure hose, 10m
- Spray gun
- Stainless steel lance, 900mm
- Flat spray nozzle
- Straight jet nozzle
- Inlet hose: 5m

Optional Accessories:

- High pressure hose, 20/30/40/50(m)
- Stainless steel lance, 300/500/1500(mm)
- Rotating nozzle
- Drain cleaning nozzle
- Drain cleaning hose
- Floor cleaner-rotating nozzle
- High pressure heater
- Sand blaster

Technical Data		P22/500
Pressure	Bar/psi	500/7250
Flow	L/min	22
Power Consumption	Hp	35
Volume	L	25
Weight	Kg	198
Dimensions	mm	1260X740X1020
Code		0130009
IMPA Code		590875

Spraying Chemical Unit **HCP50**

Application:

- Cargo hold cleaning

General Features :

- HCP50 is an ideal applicator for spraying chemical to the cargo holds.
- A solid construction in stainless steel frame, easy to handle, well protect-ed, and equipped with quick coupling connectors.
- It can also be used inde- pendently for any fluid transfer.
- Its construction materials are suitable for use with acids, solvents, flamma-bles, cleaning fluids etc.
- Additional accessories (hoses, telescopic poleetc) are available upon request.



HCP50

Standard Accessories:

- Pump Unit 1 set
- Telescopic gun 1 pcs
- Nozzle 0°, 15°,25°
- Inlet Hose 10m
- Outlet Hose 50m
- Air Hose 20m
- Telescopic pole belt 1 pcs



Telescopic gun

Optional Accessories:



Chemical Suits PPE

Technical Data

HCP50

Pressure	Bar/psi	7/101.5	
Flow	L/min	50	
Inlet		φ19	
Outlet		φ 13	
Weight	Kg	31	
Dimensions	mm	370x310x400	2000×180×60
Code		0180049	
IMPA Code		590790/92/95/96	

Cargo Hold Cleaning Lance Kit **WS20**

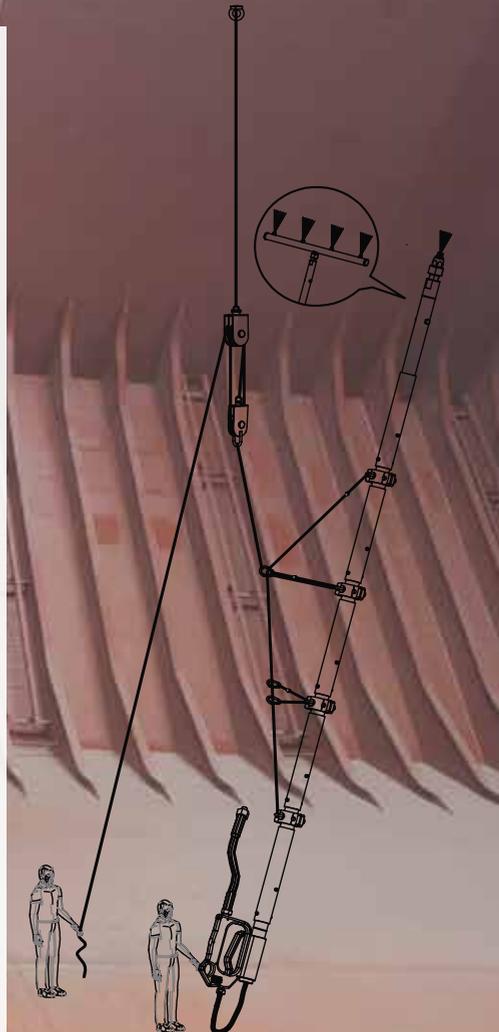
General Features:

- WS20 enables cleaning of areas that cannot be reached with conventional cleaning equipment.
- The flexibility allows the operator to adapt the length up to 18 meter.
- It is designed for cargo hold cleaning and removal of stains in elevated areas.

Instructions for use :

- WS20 is connected to the HOWEVERJET® EP500S, which delivers up to 500bar water pressure to the rotating nozzle up to 18m height.
- In conjunction with the HOWEVERJET® G600 Heating Unit the water temperature can be increased over 100°C which provides excellent cleaning results for oily deposits.
- Combined with HOWEVERJET® Spraying Chemical Unit HCP50, it can spray chemicals efficiently.

Technical Data	WS20
Pressure	540bar
Duct Dimensions	38mm
Duct Length	3000~3250mm
Duct Quantity	6pcs
Overall Length	18m
Weight	60Kg
Pulley	2pcs
Rope Length	40m
IMPA Code	590795/96



Carbon fiber pressure washing pole HPP18

General Features:

- Carbon Fiber Telescopic Pole
- 18m fully extended
- Max. pressure 280bar

Standard Accessories:

- Telescopic pole
- Wall Crawler Assembly incl.4 HP Nozzles
- 20m HP hose
- Tripod w. Heavy Duty Castor Wheels



Unmanned aerial vehicle cabin cleaning system

High anti-interference positioning

- The distance between the spray targets can reach 50cm

High-pressure cleaning

- The working pressure can reach 500bar



Cargo Hold Cleaning Robot

HOWEVERJET®

- ◆ **Faster cleaning**
 - Faster turnaround of vessels
- ◆ **Better cleaning**
 - Significantly improved probability of approval
- ◆ **Environment friendly**
 - Significantly reduces chemical usage
- ◆ **Less cleaning water**
 - Less sludge
- ◆ **Easy to control**
 - Safety of crew

The solution consists of simple to use equipment



Cargo Hold Cleaning Robot

Equipped with magnetic chassis which enable the robot to climb at various angles in the cargo hold.

High-pressure Water Blaster

A combined pump to provide the robot with high-pressure water flow. By adding HOWEVERJET's hotbox the water can be heated to a temperature of 60 degrees celsius.

Accessories

Easy to connect and user friendly interface which enables the user to control the robot and the water flow from the water blaster.



Cargo Hold Cleaning Robot

HOWEVERJET®

Model: CHCR25

High-pressure Water Blaster

- Working pressure: 200bar
- Flow: 46L/min
- Power rating: 17.3kw
- Power supply: 440v/60Hz/3P
- Hose reel: 250bar
- High-pressure hose: 50m
- Water tank: 220L
- Inlet hose: 30m
- Cable: 30m
- Weight: 390kg
- Packing size: 1970*890*1550mm



Cargo Hold Cleaning Robot

- Working pressure: 250bar
- Power rating: 1.5kw
- Power supply: 220v/60Hz/1P
- Protection degree: IP68
- Remote control distance: 80m
- Cleaning unit: A- Nozzle beam, B- Mechanical arm
- Nozzle number: 3~4pcs
- Cleaning width: Max.1200mm
- Traveling speed: Max.28m/min
- Cleaning efficiency: A- 34 m²/min, B- 28 m²/min
- Obstacle climbing ability: Max.15mm, ≥ 120°
- Weight: 58kg



Water consumption and cleaning time per cargo hold

SHIP SIZE	HANDYSIZE	SUPERSIZE	PANAMAX	CAPEZISE
Water consumption (m ³)	8~10	10~12	11~14	12~16
Cleaning time (h)	3~6	4~6	6~9	8~12

- The Stationary High Pressure Systems is a flexible pump station that is capable of supplying up to 6 simultaneous operators with pressurized water for high pressure cleaning. Dependant on the amount of operators performing high pressure cleaning on board the vessel, the Stationary High Pressure Systems detects the line pressure drop and will automatically activate the number of pumps being required.



General Features:

- Multiple pumps stationary cold water unit for medium and heavy cleaning applications in maritime use.
- Small and compact – easily to fix to the bulkhead or deck.
- 3 ceramic piston pump – long life pumps for intense applications over 8 hours per day.
- With the right equipment, one single user can obtain the output of both pumps for heavy flushing and rinsing applications.
- Multiple (2- 3- 4- 6) pumps system with electronic control – can be controlled by more than one person at the same time.
- Stainless steel design for added hygiene and protection against corrosion.
- High level of serviceability.
- Supplied with water break tank – ensures trouble free water supply.
- Heating system can be added.

Optional Accessories:



Spray gun



Flat/Straight jet nozzle



Rotating nozzle



High pressure hose



Floor Cleaner



High pressure heater



Telescopic gun



Drain cleaning nozzle



Sand blaster



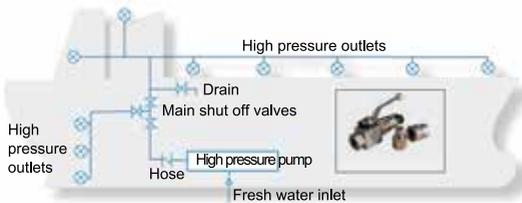
Hose reel



Gutter cleaning lance

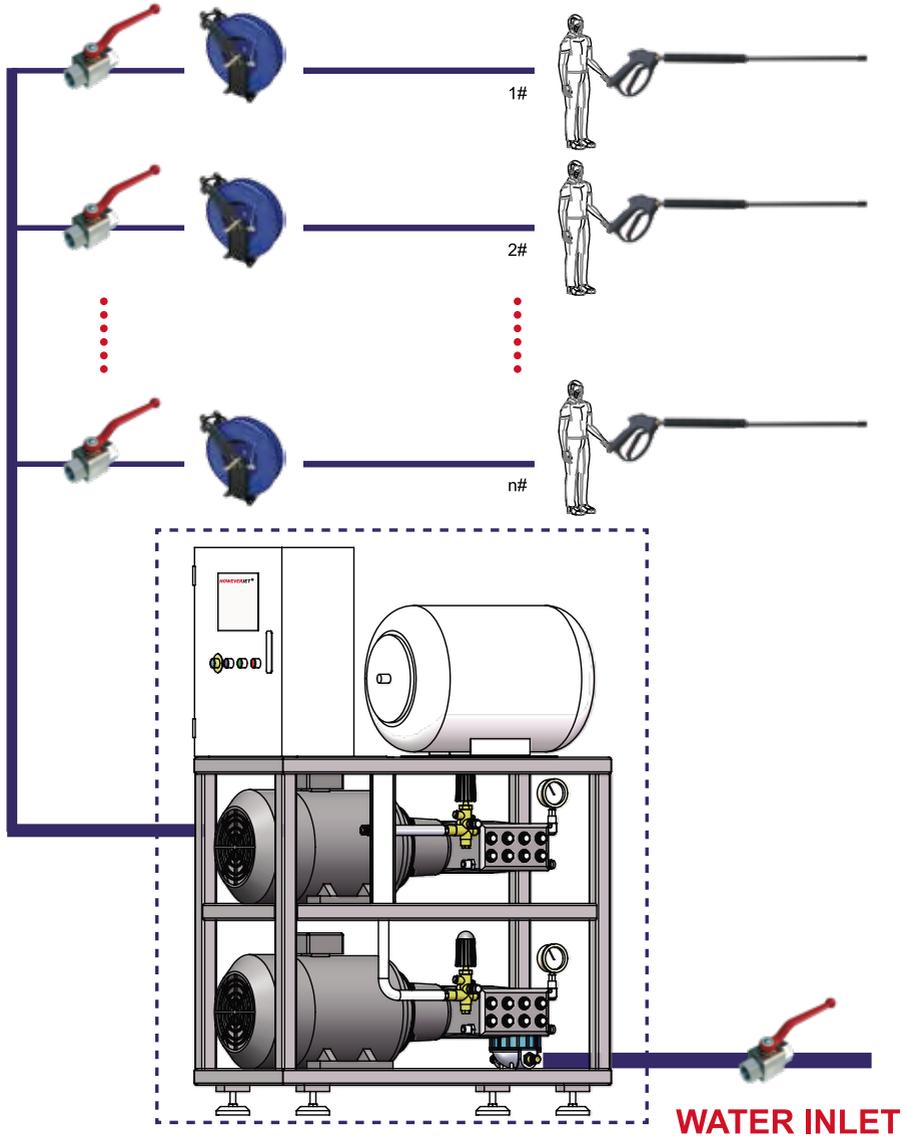


Rotating nozzle



Technical Data		H220-2S	H220-3S	H220-4S	H220-6S
Pressure	Bar/psi	220/3190	220/3190	220/3190	220/3190
Flow	L/min	48	72	96	144
Power Rating	Kw	21	31.5	42	63
Power Supply		440V/60Hz			
Concurrent Users	pcs	0~2	0~3	0~4	0~6
Code		0120102	0120103	0120104	0120106

Stationary High Pressure Systems



Mobile High Pressure Water Mist System

Unique Advantages:

- Safety and environmental protection, less water damage
- Efficient and continuous fire suppression
- Prevent heat and purify air
- Non-conductive
- Easy maintenance
- Wide application



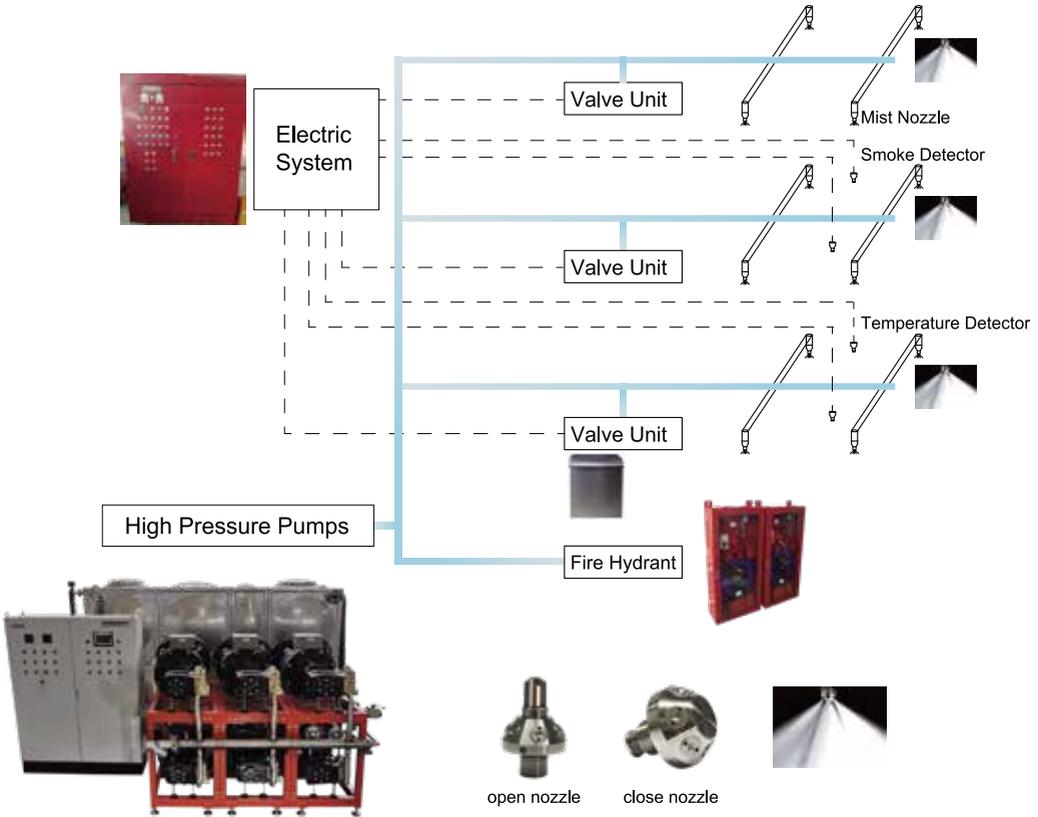
Multifunction 2 (or 3) Jet Lance

- ◆ Water Mist 
- ◆ Direct Jet 
- ◆ Foam Jet 

Technical Data		MP25/150P	MP42/150P	MP32/150P	MP40/150P	MP60/150P
Flow	L/min	25	42	32	40	60
Pressure	Bar	150	150	150	150	150
Power Rating	Kw	11	23	10.5	17.3	17.3
Gunshot	m	14	14	14	14	14
Tank Volume	L	125	400	-	-	-

The Fire Extinguishing Dynamics :

- Cooling action: the water particles , as a consequence of their very small size , are subject to rapid evaporation , with the consequent strong removal of a large quantity of thermal energy from the fire.
- Inerting action: the huge quantity of water vapour generated due to the high temperatures and very small droplets , behaves just like an inert gas and , since it occupies a volume that is a hundred times greater than that of the parental extinguishing water , it helps to control and suppress the fire.
- Shielding action: Shield the thermal radiation from the fire , and prevent other surrounding goods from combustion , so that the fire can not be spread and within control.



Technical Data		HP60/150	HP90/150	HP120/150	HP150/130	HP180/130	HP240/150
Flow	L/min	60	90	117.6	148.8	186	240
Pressure	Bar	150	150	150	130	130	150
Power Rating	Kw	17.3	25.3	34.5	34.5	42.5	63
Group Number		1-8 Any Combination					

Tank Washing Machine TWM30 is a pre-programmed twin nozzle tank washing machine. This unit is suitable for use on crude oil, chemical and product tankers supplied for portable applications.



TWM30

CODE	592101	590767	590769	590770
NOZZLE DIAM	6	8	10	12
SUPPLY PRESSURE	6~12 kg/cm ²			
FLOW (m ³ /h)	7.8~9.2	10~13	13~17.6	16.7~21.3
JET LENGTH (m)	9.6~11.6	10~12.1	11.6~13.5	12.6~15.2
INLET	2" BSP / 2" ANSI			
MIN. DECK OPENING	290 mm		320 mm	
WEIGHT	11.6 kg			

Application:

- Crude oil tank
- Chemical tank
- Product tankers

General Features:

- ◆ Wash Pattern: pre-programmable rotary 360°
- ◆ Installation: Portable 2" BSP / 2" ANSI
- ◆ Material: 316 stainless steel



Available options:

- Hose Saddles
- Tank Washing Hose



Tank Washing Machine TWM15



Rotating Nozzles and Repair Kits

COMPONENT DESCRIPTION	MACHINE	PHOTOS
Rotating Nozzle for 200 Bar	<ul style="list-style-type: none"> • AH200 • EP110 • EP170 • EP200 	
Repair Kit for Rotating Nozzle for 200 Bar	<ul style="list-style-type: none"> • AH200 • EP110 • EP170 • EP200 	 <p>Seat Repair Kit</p>
Rotating Nozzle for 250 Bar	<ul style="list-style-type: none"> • EP240 	
Repair Kit for Rotating Nozzle for 250 Bar	<ul style="list-style-type: none"> • EP240 	 <p>Seat Repair Kit</p>
Rotating Nozzle for 310 Bar	<ul style="list-style-type: none"> • EP280S • EP300 	
Repair Kit for Rotating Nozzle for 310 Bar	<ul style="list-style-type: none"> • EP280S • EP300 	 <p>Seat Repair Kit O-Ring</p>

Rotating Nozzles and Repair Kits

COMPONENT DESCRIPTION	MACHINE	PHOTOS
Rotating Nozzle for 400 Bar	<ul style="list-style-type: none"> • EP360 	
Repair Kit for Rotating Nozzle for 400 Bar	<ul style="list-style-type: none"> • EP360 	 <p data-bbox="673 651 947 675">Seat Repair Kit O-Ring</p>
Rotating Nozzle for 600 Bar	<ul style="list-style-type: none"> • EP500S • HP500 	
Repair Kit for Rotating Nozzle for 600 Bar	<ul style="list-style-type: none"> • EP500S • HP500 	 <p data-bbox="678 1034 953 1058">Seat Repair Kit O-Ring</p>
Rotating Nozzle for 800/1250 Bar	<ul style="list-style-type: none"> • HP800S • HP800 • HP1000S • HP1000 • HP1250 	
Repair Kit for Rotating Nozzle for 800/1250 Bar	<ul style="list-style-type: none"> • HP800S • HP800 • HP1000S • HP1000 • HP1250 	 <p data-bbox="695 1417 869 1441">Seat Repair Kit</p>

Nozzles

COMPONENT DESCRIPTION	MACHINE	PHOTOS
Straight jet nozzle	ALL	
Flat jet nozzle	ALL	
Drain cleaning nozzle	ALL	
Drain cleaning nozzle	<= 360 Bar	
Sand blaster	<= 500 Bar	
Water mist nozzle		 <div style="display: flex; justify-content: space-around;"> open nozzle close nozzle </div> 

Guns

COMPONENT DESCRIPTION	MACHINE	PHOTOS
<p>GUN for 280 Bar</p>	<ul style="list-style-type: none"> • AH200 • EP170 • EP240 • EP110 • EP200 	
<p>GUN for 350 Bar</p>	<ul style="list-style-type: none"> • EP280S • EP300 	
<p>GUN for 390 Bar</p>	<ul style="list-style-type: none"> • EP360 	
<p>GUN for 560 Bar</p>	<ul style="list-style-type: none"> • EP500S 	
<p>GUN for 1500 Bar</p>	<ul style="list-style-type: none"> • HP800S • HP800 • HP1000S • HP1000 • HP1250 	
<p>Telescopic GUN for 276 Bar</p>		

High Pressure Hose

COMPONENT DESCRIPTION	MACHINE	PHOTOS
High Pressure Hose for 400 Bar Length: 10/15/20/25/30/40/50/100(m)	<ul style="list-style-type: none"> • AH200 • EP110 • EP170 • EP200 • EP240 • EP280S • EP300 • EP360 	
High Pressure Hose for 540 Bar Length: 10/15/20/25/30/40/50(m)	<ul style="list-style-type: none"> • EP500S • HP500 	
High Pressure Hose for 1250 Bar Length: 20(m)	<ul style="list-style-type: none"> • HP800S • HP800 • HP1000S • HP1000 • HP1250 	
Hose Reel for 500 Bar		

High Pressure Heater

COMPONENT DESCRIPTION	MACHINE	PHOTOS
High Pressure Heater 00~500 Bar		

Hose Connection

COMPONENT DESCRIPTION	MACHINE	PHOTOS
<p>Hose Connection for 500 Bar</p>		
<p>Hose Connection for 800~1250 Bar</p>	<ul style="list-style-type: none"> • HP800S • HP800 • HP1000S • HP1000 • HP1250 	
<p>Quick Coupling for 350 Bar</p>		

Lance

COMPONENT DESCRIPTION	MACHINE	PHOTOS
<p>Lance for 600 Bar Length: 900/1200/1500/2000(mm)</p>	<p>ALL</p>	
<p>Double Lances for 280 Bar</p>		

Safety & Service Equipment (PPE)



24/04/2019

To whom it may concern:

This document is to serve as a confirmation that the following Company:

Company name:
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China

Has been appointed as a dealer of TST Sweden AB and is authorized to sell below products in the Peoples Republic of China.

- Pro/Operator
- Workplace Safety Solutions

Sincerely yours
TST Sweden AB
Peter Lindström
Peter Lindström
Market & Sales Director
peter@tst-sweden.se
+46 320 285872



JACKET



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Boots

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OVERALL



JACKET



Helmet



Jacket



Safety Wire

- 7** Surface - Sand Blasting
- 2** Ship hull cleaning
- 3** Marine surface prep
- 4** Cargo hold cleaning
- 5** Deck cleaning
- 6** Clear oyster
- 7** Pipe dredging and cleaning

01

Surface - Sand Blasting



02

Ship hull cleaning



03

Marine surface prep



04

Cargo hold cleaning



05

Deck cleaning



06

Clear oyster



07

Pipe dredging and cleaning





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