



# HIGH PRESSURE WASHER

**用水创造价值**  
Create Value with Water Power



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# COMPANY PROFILE

## About Us

Founded in 2001, Fussen has been consistently dedicated to the research, development, and innovation of high-pressure water jet technology, with more than 20 years of technical expertise in high-pressure plunger pumps.

Through advanced manufacturing processes and strict quality control, Fussen delivers pumps that are high quality, durable, and reliable. Our equipment is widely applied in ship cleaning, industrial paint and rust removal, petrochemicals, and building maintenance, and has gained broad recognition in both domestic and international markets.



Professional



International



Brand-Oriented



Professional

### Professional High-Pressure Cleaning Technology

Fussen develops advanced high-pressure pump technology that ensures efficiency, durability, and stability across diverse industrial applications.

The high-pressure pump, as the core component of a high-pressure cleaner, directly determines the overall efficiency and stability of the system. With deep insights into industry requirements, Fussen has developed a comprehensive range of professional cleaning solutions designed to meet diverse needs across different pressure levels, flow rates, and working environments.

Fussen's high-pressure plunger pumps are engineered with strict material selection, high-precision machining, and advanced sealing technology to ensure reliability and performance.

Fussen pumps are equipped with ceramic and alloy steel plungers to ensure reliable performance and durability. The ceramic plungers offer excellent wear and corrosion resistance with a smooth, low-friction surface that extends seal life, while the alloy steel plungers provide exceptional strength and impact resistance for high-pressure applications. Together with high-quality water and oil seals, the system maintains stable operation and long service life. For particularly demanding environments, Fussen also provides customized corrosion-resistant and high-temperature-resistant seal solutions. As a result, the pumps deliver reliable stability, superior efficiency, and extended durability under diverse operating conditions.



International

### International Quality Standards and Worldwide Reach

Fussen is committed to delivering products that meet the highest international standards and are shipped to customers worldwide.

The company operates in full compliance with the ISO9001 quality management system, ensuring excellence throughout design, production, testing, and service. All products are CE certified and comply with international safety requirements. With outstanding quality and consistent reliability, Fussen's pumps are widely used across Europe, the Middle East, Southeast Asia, and South America. Through long-term partnerships and a proven record of performance, the company has earned the trust of customers around the globe.



Brand-Oriented

### Creating Value with Water

Fussen's brand philosophy is built on the belief that water is not only a resource but also a force for creating value.

The company is committed to delivering high-quality pumps while advancing intelligent, efficient, and eco-friendly cleaning technology. Through continuous investment in research, development, and product optimization, Fussen leads the high-pressure water jet industry forward. Looking to the future, the company will continue to innovate and provide global customers with more professional, reliable, and sustainable cleaning solutions.

25+

Years of Experience

200+

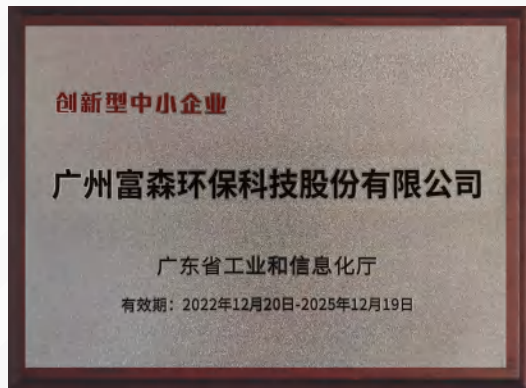
Patents

5000m<sup>2</sup>

Factory



# HONORS



## Certifications



## Patents



# MILESTONES



## 2001

Fussen was established in Guangzhou China

## 2003

Independently developed electric and fuel powered high pressure washer

## 2005

Fussen high pressure washer conquer the entire national mid-to-high-end market

## 2007

Start researching and developing ultra-high-pressure water jet technology

## 2010

Awarded the ISO 9001 management certification

## 2012

Fussen high-pressure washer has passed international CE certification

## 2015

Awarded ISO 14001 Environmental Certification and OHSAS 45001 Occupational Health and Safety Certification

## 2016

Successfully listed on the New Third Board and recognized as a high-tech enterprise

## 2017

Recognized as the Guangdong Province Ultra-High-Pressure Water Jet Cleaning Intelligent Equipment Engineering Technology Research Center

## 2019

Establishing a high-pressure water jet technology research and development center and initiating a new mode of industry-education integration in technology research and development

## 2023

Awarded the titles of 'Specialized and Innovative Small and Medium-Sized Enterprises' and 'Innovative Small and Medium-Sized Enterprises' in Guangdong Province, and jointly established the Ultra-High-Pressure Pump Technology Research Center with the Shunde Research Institute of Beijing University of Science and Technology

▶  
**Road Cleaning**



▶  
**Heavy Machinery Cleaning**



▶  
**Property Cleaning**



▶  
**Livestock Farm Cleaning**

▶  
**Car Washing**



▶  
**Rust Removal**



▶  
**Ship Cleaning**



▶  
**Railway Cleaning**



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# Electric High Pressure Washer





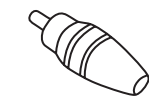
# FSE SERIES

## Electric High Pressure Washer

### Key Components

|                                    |                         |
|------------------------------------|-------------------------|
| ■ Intelligent Electric Control Box | ■ Stainless Steel Frame |
| ■ Industrial-Grade Motor           | ■ Solid Tires           |
| ■ High-Pressure Plunger Pump       | ■ Swivel Wheels         |
| ■ Pressure Regulating Valve        | ■ High-Pressure Gun     |
| ■ High-Precision Filter            | ■ Fan-Shaped Nozzle     |
| ■ Stainless Steel Pressure Gauge   | ■ High-Pressure Hose    |

### Optional Accessories



Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Easy to Move

Compact design, stylish, space-saving.



#### Industrial-Grade Motor

Four-pole, low-speed motor with low noise,high durability, and long service life.



#### Premium Plunger Pump

Ceramic plungers and durable seals ensure long-term stable performance.



#### Energy-Saving

Pressure switch stops the motor when the gun is released.

### Models and Specifications

| Model     | Voltage<br>(Ph/V/Hz) | Flow Rate<br>(L/min) | Pressure<br>(Bar/Mpa/PSI) | Power<br>(kW) | RPM<br>(Rpm) | Weight<br>(kg) | Dimensions<br>(L x W x H mm) |
|-----------|----------------------|----------------------|---------------------------|---------------|--------------|----------------|------------------------------|
| FSE 10/11 | 1/220/50             | 10                   | 110/11/1595               | 2.2           | 1450         | 48             | 600 x 550 x 430              |
| FSE 10/15 | 1/220/50             | 10                   | 150/15/2175               | 3.0           | 1450         | 52             | 650 x 550 x 530              |
| FSE 12/13 | 1/220/50             | 12                   | 130/13/1885               | 3.0           | 1450         | 52             | 650 x 550 x 530              |
| FSE 15/10 | 1/220/50             | 15                   | 100/10/1450               | 3.0           | 1450         | 52             | 650 x 550 x 530              |



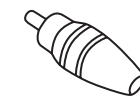
# FAE SERIES

## Electric High Pressure Washer

### Key Components

|                                    |                      |
|------------------------------------|----------------------|
| ■ Intelligent Electric Control Box | ■ Carbon Steel Frame |
| ■ Industrial-Grade Motor           | ■ Solid Tires        |
| ■ High-Pressure Plunger Pump       | ■ Swivel Wheels      |
| ■ Pressure Regulating Valve        | ■ High-Pressure Gun  |
| ■ High-Precision Filter            | ■ Fan-Shaped Nozzle  |
| ■ Stainless Steel Pressure Gauge   | ■ High-Pressure Hose |

### Optional Accessories



Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Easy to Move

Compact design, stylish, space-saving.



#### Industrial-Grade Motor

Four-pole, low-speed motor with low noise,high durability, and long service life.



#### Premium Plunger Pump

Ceramic plungers and durable seals ensure long-term stable performance.



#### Energy-Saving

Pressure switch stops the motor when the gun is released.

### Models and Specifications

| Model     | Voltage<br>(Ph/V/Hz) | Flow Rate<br>(L/min) | Pressure<br>(Bar/Mpa/PSI) | Power<br>(kW) | RPM<br>(Rpm) | Weight<br>(kg) | Dimensions<br>(L x W x H mm) |
|-----------|----------------------|----------------------|---------------------------|---------------|--------------|----------------|------------------------------|
| FAE 15/15 | 3/380/50             | 15                   | 150/15/2175               | 4.0           | 1450         | 68             | 640 x 640 x 500              |
| FAE 15/20 | 3/380/50             | 15                   | 200/20/2900               | 5.5           | 1450         | 78             | 640 x 640 x 500              |
| FAE 15/25 | 3/380/50             | 15                   | 250/25/3625               | 7.5           | 1450         | 85             | 650 x 640 x 500              |
| FAE 18/20 | 3/380/50             | 18                   | 200/20/2900               | 8.0           | 1450         | 85             | 650 x 640 x 500              |

# FBE SERIES

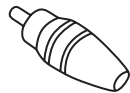
Electric High Pressure Washer



## Key Components

|                                    |                      |
|------------------------------------|----------------------|
| ■ Intelligent Electric Control Box | ■ Carbon Steel Frame |
| ■ Industrial-Grade Motor           | ■ Solid Tires        |
| ■ High-Pressure Plunger Pump       | ■ Swivel Wheels      |
| ■ Pressure Regulating Valve        | ■ High-Pressure Gun  |
| ■ High-Precision Filter            | ■ Fan-Shaped Nozzle  |
| ■ Stainless Steel Pressure Gauge   | ■ High-Pressure Hose |

## Optional Accessories



Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

## Features



### Easy to Move

Compact design, stylish, space-saving.



### Premium Plunger Pump

Ceramic plungers and durable seals ensure long-term stable performance.



### Industrial-Grade Motor

Four-pole, low-speed motor with low noise,high durability, and long service life.



### Energy-Saving

Pressure switch stops the motor when the gun is released.

## Models and Specifications

| Model     | Voltage<br>( Ph/V/Hz ) | Flow Rate<br>( L/min ) | Pressure<br>( Bar/Mpa/PSI ) | Power<br>( kW ) | RPM<br>( Rpm ) | Weight<br>( kg ) | Dimensions<br>( L x W x H mm ) |
|-----------|------------------------|------------------------|-----------------------------|-----------------|----------------|------------------|--------------------------------|
| FBE 15/27 | 3/380/50               | 15                     | 270/27/3915                 | 9.2             | 1450           | 145              | 880 x 650 x 900                |
| FBE 15/30 | 3/380/50               | 15                     | 300/30/4350                 | 9.2             | 1450           | 145              | 880 x 650 x 900                |
| FBE 15/35 | 3/380/50               | 15                     | 350/35/5075                 | 11.0            | 1450           | 160              | 900 x 650 x 900                |
| FBE 18/28 | 3/380/50               | 18                     | 280/28/4060                 | 11.0            | 1450           | 160              | 900 x 650 x 900                |
| FBE 21/25 | 3/380/50               | 21                     | 250/25/3625                 | 11.0            | 1450           | 160              | 900 x 650 x 900                |

# FCE SERIES

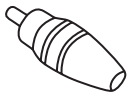
Electric High Pressure Washer



## Key Components

|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| ■ Intelligent Electric Control Box ( Soft Start ) | ■ Large-Capacity Water Tank       |
| ■ Industrial-Grade Motor                          | ■ Float Valve                     |
| ■ Coupling                                        | ■ Carbon Steel Heavy-Duty Frame   |
| ■ High-Pressure Plunger Pump                      | ■ Pneumatic Shock-Absorbing Tires |
| ■ Pressure Regulating Valve                       | ■ Swivel Wheels                   |
| ■ Safety Valve                                    | ■ High-Pressure Hose              |
| ■ High-Precision Filter                           | ■ High-Pressure Gun               |
| ■ Stainless Steel Pressure Gauge                  | ■ Fan-Shaped Nozzle               |

## Optional Accessories



Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

## Features



### Intelligent Soft Start

Soft start board ensures smooth start/stop, extending machine lifespan.



### Industrial Grade Motor

Four pole, low speed motor with low noise, high durability, and long service life.



### Water Inlet Protection

Dual precision filters and a large water tank with floating valve provide clean, stable water supply.



### Premium Plunger Pump

High-performance pump with ceramic plungers and durable seals for reliable long-term use.

## Models and Specifications

| Model     | Voltage<br>( Ph/V/Hz ) | Flow Rate<br>( L/min ) | Pressure<br>( Bar/Mpa/PSI ) | Power<br>( kW ) | RPM<br>( Rpm ) | Weight<br>( kg ) | Dimensions<br>( L x W x H mm ) |
|-----------|------------------------|------------------------|-----------------------------|-----------------|----------------|------------------|--------------------------------|
| FCE 21/35 | 3/380/50               | 21                     | 350/35/5075                 | 15              | 1450           | 240              | 950 x 700 x 900                |
| FCE 15/50 | 3/380/50               | 15                     | 500/50/7250                 | 15              | 1450           | 240              | 950 x 700 x 900                |
| FCE 22/50 | 3/380/50               | 22                     | 500/50/7250                 | 22              | 1450           | 265              | 950 x 700 x 900                |
| FCE 18/60 | 3/380/50               | 18                     | 600/60/8700                 | 22              | 1450           | 265              | 950 x 700 x 900                |

# FME SERIES

## Electric High Pressure Washer



### Key Components

|                                                   |                         |
|---------------------------------------------------|-------------------------|
| ■ Intelligent Electric Control Box ( Soft Start ) | ■ Solid Tires           |
| ■ Industrial-Grade Motor                          | ■ Swivel Wheels         |
| ■ High-Pressure Plunger Pump                      | ■ High-Pressure Hose    |
| ■ Pressure Regulating Valve                       | ■ High-Pressure Gun     |
| ■ Safety Valve                                    | ■ Fan-Shaped Nozzle     |
| ■ High-Precision Filter                           | ■ Stainless Steel Frame |
| ■ Stainless Steel Pressure Gauge                  |                         |

### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Easy to Move

Compact design, stylish look, and space-saving.



#### Industrial-Grade Motor

Four-pole, low-speed motor with low noise, high durability, and long service life.



#### Intelligent Soft Start

Smooth start/stop system extends machine lifespan.



#### Premium Plunger Pump

Stainless steel pump with ceramic plungers and durable seals for stable, long-term performance.



#### Stainless Steel Frame

Strong, durable, and highly corrosion-resistant.

### Models and Specifications

| Model     | Voltage<br>( Ph/V/Hz ) | Flow Rate<br>( L/min ) | Pressure<br>( Bar/Mpa/PSI ) | Power<br>( kW ) | RPM<br>( Rpm ) | Weight<br>( kg ) | Dimensions<br>( L x W x H mm ) |
|-----------|------------------------|------------------------|-----------------------------|-----------------|----------------|------------------|--------------------------------|
| FME 21/35 | 3/380/50               | 21                     | 350/35/5075                 | 15              | 1450           | 200              | 950 x 700 x 900                |
| FME 15/50 | 3/380/50               | 15                     | 500/50/7250                 | 15              | 1450           | 200              | 950 x 700 x 900                |
| FME 22/50 | 3/380/50               | 22                     | 500/50/7250                 | 22              | 1450           | 230              | 980 x 700 x 920                |
| FME 18/60 | 3/380/50               | 18                     | 600/60/8700                 | 22              | 1450           | 230              | 980 x 700 x 920                |
| FME 18/50 | 3/440/60               | 18                     | 500/50/7250                 | 18              | 1750           | 200              | 950 x 700 x 900                |

# FWE SERIES

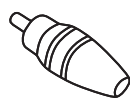
## Electric High Pressure Washer



### Key Components

|                                                   |                              |
|---------------------------------------------------|------------------------------|
| ■ Intelligent Electric Control Box ( Soft Start ) | ■ Stainless Steel Water Tank |
| ■ Industrial-Grade Motor                          | ■ Solid Tires                |
| ■ High-Pressure Plunger Pump                      | ■ Swivel Wheels              |
| ■ Pressure Regulating Valve                       | ■ High-Pressure Hose         |
| ■ Safety Valve                                    | ■ High-Pressure Gun          |
| ■ High-Precision Filter                           | ■ Fan-Shaped Nozzle          |
| ■ Stainless Steel Pressure Gauge                  | ■ Stainless Steel Frame      |

### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Easy to Move

Compact design, stylish look, and space-saving.



#### Industrial-Grade Motor

Four-pole, low-speed motor with low noise, high durability, and long service life.



#### Intelligent Soft Start

Smooth start/stop system extends machine lifespan.



#### Premium Plunger Pump

Stainless steel pump with ceramic plungers and durable seals for stable, long-term performance.



#### Stainless Steel Frame

Strong, durable, and highly corrosion-resistant.

### Models and Specifications

| Model     | Voltage<br>( Ph/V/Hz ) | Flow Rate<br>( L/min ) | Pressure<br>( Bar/Mpa/PSI ) | Power<br>( kW ) | RPM<br>( Rpm ) | Weight<br>( kg ) | Dimensions<br>( L x W x H mm ) |
|-----------|------------------------|------------------------|-----------------------------|-----------------|----------------|------------------|--------------------------------|
| FWE 21/35 | 3/380/50               | 21                     | 350/35/5075                 | 15              | 1450           | 200              | 950 x 700 x 900                |
| FWE 15/50 | 3/380/50               | 15                     | 500/50/7250                 | 15              | 1450           | 200              | 950 x 700 x 900                |
| FWE 22/50 | 3/380/50               | 22                     | 500/50/7250                 | 22              | 1450           | 230              | 980 x 700 x 920                |
| FWE 18/60 | 3/380/50               | 18                     | 600/60/8700                 | 22              | 1450           | 230              | 980 x 700 x 920                |
| FWE 18/50 | 3/440/60               | 18                     | 500/50/7250                 | 18              | 1750           | 200              | 950 x 700 x 900                |

# FLE SERIES

## Electric High Pressure Washer



### Key Components

|                                                   |                                 |
|---------------------------------------------------|---------------------------------|
| ■ Intelligent Electric Control Box ( Soft Start ) | ■ High Precision Filter         |
| ■ Industrial-Grade Motor                          | ■ Stainless Steel Filter        |
| ■ Coupling                                        | ■ Carbon Steel Heavy Duty Frame |
| ■ High-Pressure Plunger Pump                      | ■ Solid Tires                   |
| ■ Pressure Regulating Valve                       | ■ Swivel Wheels                 |
| ■ High-Precision Filter                           | ■ High-Pressure Gun             |
| ■ Stainless Steel Pressure Gauge                  | ■ Fan-Shaped Nozzle             |
| ■ Stainless Steel Booster Pump                    | ■ High Pressure Hose            |

### Optional Accessories

- Pipe Cleaning Nozzle
- Foot Valve
- Hose Reel
- Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features

#### Booster Pump for Stable Water Supply

Stainless steel horizontal centrifugal pump ensures reliable water flow to the high-pressure plunger pump.

#### Industrial-Grade Motor

Four-pole, low-speed motor with low noise, high durability, and long service life.

#### Premium Plunger Pump

Stainless steel construction with ceramic plungers and durable seals for long-lasting smooth operation.

#### Intelligent Soft Start

Smart control box with soft start board allows smooth start-up, reducing wear and extending machine life.

### Models and Specifications

| Model     | Voltage<br>( Ph/V/Hz ) | Flow Rate<br>( L/min ) | Pressure<br>( Bar/Mpa/PSI ) | Power<br>( kW ) | RPM<br>( Rpm ) | Weight<br>( kg ) | Dimensions<br>( L x W x H mm ) |
|-----------|------------------------|------------------------|-----------------------------|-----------------|----------------|------------------|--------------------------------|
| FLE 40/20 | 3/380/50               | 40                     | 200/20/2900                 | 15              | 1450           | 250              | 950 x 700 x 900                |
| FLE 50/20 | 3/380/50               | 50                     | 200/20/2900                 | 22              | 1450           | 280              | 980 x 700 x 920                |
| FLE 60/18 | 3/380/50               | 60                     | 180/18/2610                 | 22              | 1450           | 280              | 980 x 700 x 920                |
| FLE 70/16 | 3/380/50               | 70                     | 160/16/2320                 | 22              | 1450           | 280              | 980 x 700 x 920                |

# FDE SERIES

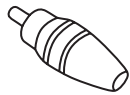
## Electric High Pressure Washer



### Key Components

|                                                   |                                    |
|---------------------------------------------------|------------------------------------|
| ■ Intelligent Electric Control Box ( Soft Start ) | ■ High-Precision Filter            |
| ■ Industrial-Grade Motor                          | ■ Stainless Steel Heavy-Duty Frame |
| ■ Stainless Steel High-Pressure Plunger Pump      | ■ Water Tank                       |
| ■ Pressure Regulating Valve                       | ■ Swivel Wheels                    |
| ■ Safety Valve                                    | ■ Dump Gun                         |
| ■ Stainless Steel Pressure Gauge                  | ■ Fan-Shaped Nozzle                |
| ■ Y Type Filter                                   | ■ High-Pressure Hose               |

### Optional Accessories



■ Rotating Nozzle



Dump Gun with Rotating Nozzle



Stainless Steel Pump

### Features

#### Easy to Move

Compact design, stylish appearance,easy to move, and space-saving.

#### Intelligent Soft Start

Soft starter ensures smooth motor start-up, extending machine lifespan.

#### Stainless Steel Frame

Corrosion-resistant frame suitable for long-term use in marine environments.

#### Premium Plunger Pump

High-performance stainless steel pump with alloy plungers and premium seals for durability and long service life.

#### Low Water Level Protection

Large-capacity stainless steel water tank with float valve prevents pump damage from dry running.

#### Industrial-Grade Motor

Four-pole, low-speed motor with low noise, high durability, and long service life.

### Models and Specifications

| Model      | Voltage<br>( Ph/V/Hz ) | Flow Rate<br>( L/min ) | Pressure<br>( Bar/Mpa/PSI ) | Power<br>( kW ) | RPM<br>( Rpm ) | Weight<br>( kg ) | Dimensions<br>( L x W x H mm ) |
|------------|------------------------|------------------------|-----------------------------|-----------------|----------------|------------------|--------------------------------|
| FDE 30/50  | 3/380/50               | 30                     | 500/50/7250                 | 30              | 1450           | 450              | 1350 x 680 x 1200              |
| FDE 20/80  | 3/380/50               | 20                     | 800/80/11600                | 30              | 1450           | 455              | 1350 x 680 x 1200              |
| FDE 15/100 | 3/380/50               | 15                     | 1000/100/14500              | 30              | 1450           | 455              | 1350 x 680 x 1200              |
| FDE 36/50  | 3/440/60               | 36                     | 500/50/7250                 | 36              | 1750           | 450              | 1350 x 680 x 1200              |
| FDE 24/80  | 3/440/60               | 24                     | 800/80/11600                | 36              | 1750           | 455              | 1350 x 680 x 1200              |
| FDE 18/100 | 3/440/60               | 18                     | 1000/100/14500              | 36              | 1750           | 455              | 1350 x 680 x 1200              |

# FKE SERIES



## Electric High Pressure Washer

### Key Components

|                                                   |                                 |
|---------------------------------------------------|---------------------------------|
| ■ Intelligent Electric Control Box ( Soft Start ) | ■ Booster Pump                  |
| ■ Industrial-Grade Motor                          | ■ Float Valve                   |
| ■ Stainless Steel High-Pressure Plunger Pump      | ■ Carbon Steel Heavy Duty Frame |
| ■ Pressure Regulating Valve                       | ■ Pneumatic Tires               |
| ■ Safety Valve                                    | ■ Swivel Wheels                 |
| ■ Stainless Steel Pressure Gauge                  | ■ Dump Gun                      |
| ■ High-Precision Filter                           | ■ Fan-Shaped Nozzle             |
| ■ Water Tank                                      | ■ High-Pressure Hose            |

### Optional Accessories



■ Rotating Nozzle



Dump Gun with Rotating Nozzle



Stainless Steel Pump

### Features



#### Convenient to Move

Stylish appearance, compact design, easy to move, and space-saving.



#### Industrial-Grade Motor

Six-pole, low-speed motor with low noise, high durability, and long service life.



#### Intelligent Soft Start

Soft starter ensures smooth motor start-up, reducing wear and extending service life.



#### Premium Plunger Pump

High-performance stainless steel pump with alloy plungers and premium seals for durability and long-term stability.



#### Low Water Level Protection

Large-capacity stainless steel water tank with float valve prevents the pump from dry running and protects the machine from damage.

### Models and Specifications

| Model      | Voltage<br>( Ph/V/Hz ) | Flow Rate<br>( L/min ) | Pressure<br>( Bar/Mpa/PSI ) | Power<br>( kW ) | RPM<br>( Rpm ) | Weight<br>( kg ) | Dimensions<br>( L x W x H mm ) |
|------------|------------------------|------------------------|-----------------------------|-----------------|----------------|------------------|--------------------------------|
| FKE 40/60  | 3/380/50               | 40                     | 600/60/8700                 | 45              | 1000           | 850              | 1550 x 1050 x 1350             |
| FKE 25/80  | 3/380/50               | 25                     | 800/80/11600                | 37              | 1000           | 850              | 1550 x 1050 x 1350             |
| FKE 20/100 | 3/380/50               | 20                     | 1000/100/14500              | 37              | 1000           | 850              | 1550 x 1050 x 1350             |
| FKE 25/100 | 3/380/50               | 25                     | 1000/100/14500              | 45              | 1000           | 850              | 1550 x 1050 x 1350             |

# FRE SERIES



## Electric High Pressure Washer

### Key Components

|                                                   |                                         |
|---------------------------------------------------|-----------------------------------------|
| ■ Intelligent Electric Control Box ( Soft Start ) | ■ Water Tank                            |
| ■ Industrial-Grade Motor                          | ■ Float Valve                           |
| ■ Coupling                                        | ■ Stainless Steel Pressure Gauge        |
| ■ Stainless Steel High-Pressure Plunger Pump      | ■ High-Precision Filter                 |
| ■ Pressure Regulating Valve                       | ■ High-Precision Stainless Steel Filter |
| ■ Safety Valve                                    | ■ Carbon Steel Heavy-Duty Frame         |

### Optional Accessories

|                      |
|----------------------|
| ■ Rotating Nozzle    |
| ■ Dump Gun           |
| ■ Fan-Shaped Nozzle  |
| ■ High-Pressure Hose |
| ■ Flexible Lance     |
| ■ Foot Valve         |



Dump Gun with Rotating Nozzle



Flexible Lance



Foot Valve

### Features



#### Industrial-Grade Motor

Four-pole, low-speed motor with low noise, high durability, and long service life.



#### Intelligent Soft Start

Soft starter ensures smooth motor start-up, extending machine lifespan.



#### Premium Plunger Pump

High-performance stainless steel pump with alloy plungers and imported seals for durability and long service life.



#### Low Water Level Protection

Large-capacity stainless steel water tank with float valve prevents pump damage from dry running.

### Models and Specifications

| Model       | Voltage<br>( Ph V Hz ) | Flow Rate<br>( L/min ) | Pressure<br>( Bar/Mpa/PSI ) | Power<br>( kW ) | RPM<br>( Rpm ) | Weight<br>( kg ) | Dimensions<br>( L x W x H mm ) |
|-------------|------------------------|------------------------|-----------------------------|-----------------|----------------|------------------|--------------------------------|
| FRE 120/100 | 3/380/50               | 120                    | 1000/100/14500              | 252             | 400            | 2800             | 3300 x 1900 x 2100             |
| FRE 90/140  | 3/380/50               | 90                     | 1400/140/20300              | 150             | 400            | 2800             | 3300 x 1900 x 2100             |
| FRE 50/150  | 3/380/50               | 50                     | 1500/150/21755              | 300             | 400            | 2800             | 3300 x 1900 x 2100             |
| FRE 45/280  | 3/380/50               | 45                     | 2800/280/40000              | 250             | 400            | 2800             | 3300 x 1900 x 2100             |

# Hot Water High Pressure Washer

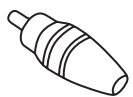
## FHP SERIES

### Hot Water Pressure Washer (Diesel Heating)

#### Key Components

|                                    |                                  |
|------------------------------------|----------------------------------|
| ■ Intelligent Electric Control Box | ■ Pressure Regulating Valve      |
| ■ Industrial-Grade Motor           | ■ High-Precision Filter          |
| ■ Diesel Boiler                    | ■ Stainless Steel Pressure Gauge |
| ■ Ignition Device                  | ■ High-Strength Plastic Shell    |
| ■ Oil Pump                         | ■ Solid Tires                    |
| ■ High-Pressure Plunger Pump       | ■ High-Pressure Gun              |
| ■ Pressure Switch                  | ■ Fan-Shaped Nozzle              |

#### Optional Accessories



■ Rotating Nozzle



Control Panel



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

#### Features



##### Simple Control

Easy-to-use panel with temperature adjustment knob and alarm indicator light.



##### Energy-Saving

Pressure switch shuts down the motor when the gun is released, saving energy and protecting the environment.



##### Premium Plunger Pump

High-pressure plunger system with ceramic plungers and durable seals for long-term stable operation.



##### Premium Oil Pump

European igniter and oil pump with high combustion efficiency; diesel boiler heats up to 90 °C.

#### Models and Specifications

| Model     | Voltage<br>(Ph V Hz) | Flow Rate<br>(L/min) | Pressure<br>(Bar/Mpa/PSI) | Power<br>(kW) | RPM<br>(Rpm) | Weight<br>(kg) | Dimensions<br>(L x W x H mm) |
|-----------|----------------------|----------------------|---------------------------|---------------|--------------|----------------|------------------------------|
| FHP 15/20 | 3/380/50             | 15                   | 200/20/2900               | 5.5           | 1450         | 130            | 1160 x 870 x 650             |
| FHP 18/20 | 3/380/50             | 18                   | 200/20/2900               | 7.5           | 1450         | 130            | 1160 x 870 x 650             |
| FHP 15/25 | 3/380/50             | 15                   | 250/25/3625               | 7.5           | 1450         | 130            | 1160 x 870 x 650             |

# FHS SERIES

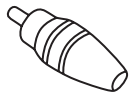
## Hot Water Pressure Washer (Diesel Heating)



### Key Components

|                                    |                                  |
|------------------------------------|----------------------------------|
| ■ Intelligent Electric Control Box | ■ Pressure Regulating Valve      |
| ■ Industrial-Grade Motor           | ■ High-Precision Filter          |
| ■ Diesel Boiler                    | ■ Stainless Steel Pressure Gauge |
| ■ Ignition Device                  | ■ High-Strength Metal Shell      |
| ■ Oil Pump                         | ■ Solid Tires                    |
| ■ High-Pressure Plunger Pump       | ■ High-Pressure Gun              |
| ■ Pressure Switch                  | ■ Fan-Shaped Nozzle              |

### Optional Accessories



■ Rotating Nozzle



Control Panel



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Simple Control

Easy-to-use panel with temperature adjustment knob and alarm indicator light.



#### Energy-Saving

Pressure switch shuts down the motor when the gun is released, saving energy and protecting the environment.



#### Premium Plunger Pump

High-pressure plunger system with ceramic plungers and durable seals for long-term stable operation.



#### Premium Oil Pump

European igniter and oil pump with high combustion efficiency; diesel boiler heats up to 90 °C.

### Models and Specifications

| Model     | Voltage<br>(Ph V Hz) | Flow Rate<br>(L/min) | Pressure<br>(Bar/Mpa/PSI) | Power<br>(kW) | RPM<br>(Rpm) | Weight<br>(kg) | Dimensions<br>(L x W x H mm) |
|-----------|----------------------|----------------------|---------------------------|---------------|--------------|----------------|------------------------------|
| FHS 15/20 | 3/380/50             | 15                   | 200/20/2900               | 5.5           | 1450         | 130            | 1160 x 870 x 650             |
| FHS 18/20 | 3/380/50             | 18                   | 200/20/2900               | 7.5           | 1450         | 130            | 1160 x 870 x 650             |
| FHS 15/25 | 3/380/50             | 15                   | 250/25/3625               | 7.5           | 1450         | 130            | 1160 x 870 x 650             |

# FHE SERIES

## Hot Water High Pressure Washer (Electric Heating)



### Key Components

|                                    |                                  |
|------------------------------------|----------------------------------|
| ■ Intelligent Electric Control Box | ■ Stainless Steel Pressure Gauge |
| ■ Industrial-Grade Motor           | ■ High-Strength Metal Shell      |
| ■ High-Pressure Plunger Pump       | ■ Solid Tires                    |
| ■ Pressure Switch                  | ■ High-Pressure Gun              |
| ■ Pressure Regulating Valve        | ■ Fan-Shaped Nozzle              |
| ■ High-Precision Filter            | ■ Electric Heating System        |
| ■ Water Tank                       |                                  |

### Accessories

|                      |
|----------------------|
| ■ High-Pressure Hose |
| ■ High-Pressure Gun  |
| ■ Fan-Shaped Nozzle  |

### Features



#### Simple Control

Easy-to-use panel with temperature adjustment knob and alarm indicator light.



#### Energy-Saving

Pressure switch shuts down the motor when the gun is released, saving energy and protecting the environment.



#### Premium Plunger Pump

High-pressure plunger system with ceramic plungers and durable seals for long-term stable operation.

### Models and Specifications

| Model     | Voltage<br>(Ph V Hz) | Flow rate<br>(L/min) | Pressure<br>(Bar/Mpa/PSI) | Power<br>(kW) | Heating Power<br>(kW) | RPM<br>(Rpm) | Weight<br>(kg) | Dimensions<br>(L x W x H mm) |
|-----------|----------------------|----------------------|---------------------------|---------------|-----------------------|--------------|----------------|------------------------------|
| FHE 15/20 | 3/380/50             | 15                   | 200/20/2900               | 7.5           | 24/36/48              | 1450         | 125            | 1170 x 930 x 990             |
| FHE 18/20 | 3/380/50             | 18                   | 200/20/2900               | 7.5           | 24/36/48              | 1450         | 125            | 1170 x 930 x 990             |
| FHE 15/25 | 3/380/50             | 15                   | 250/25/3625               | 7.5           | 24/36/48              | 1450         | 125            | 1170 x 930 x 990             |



Brass Pump

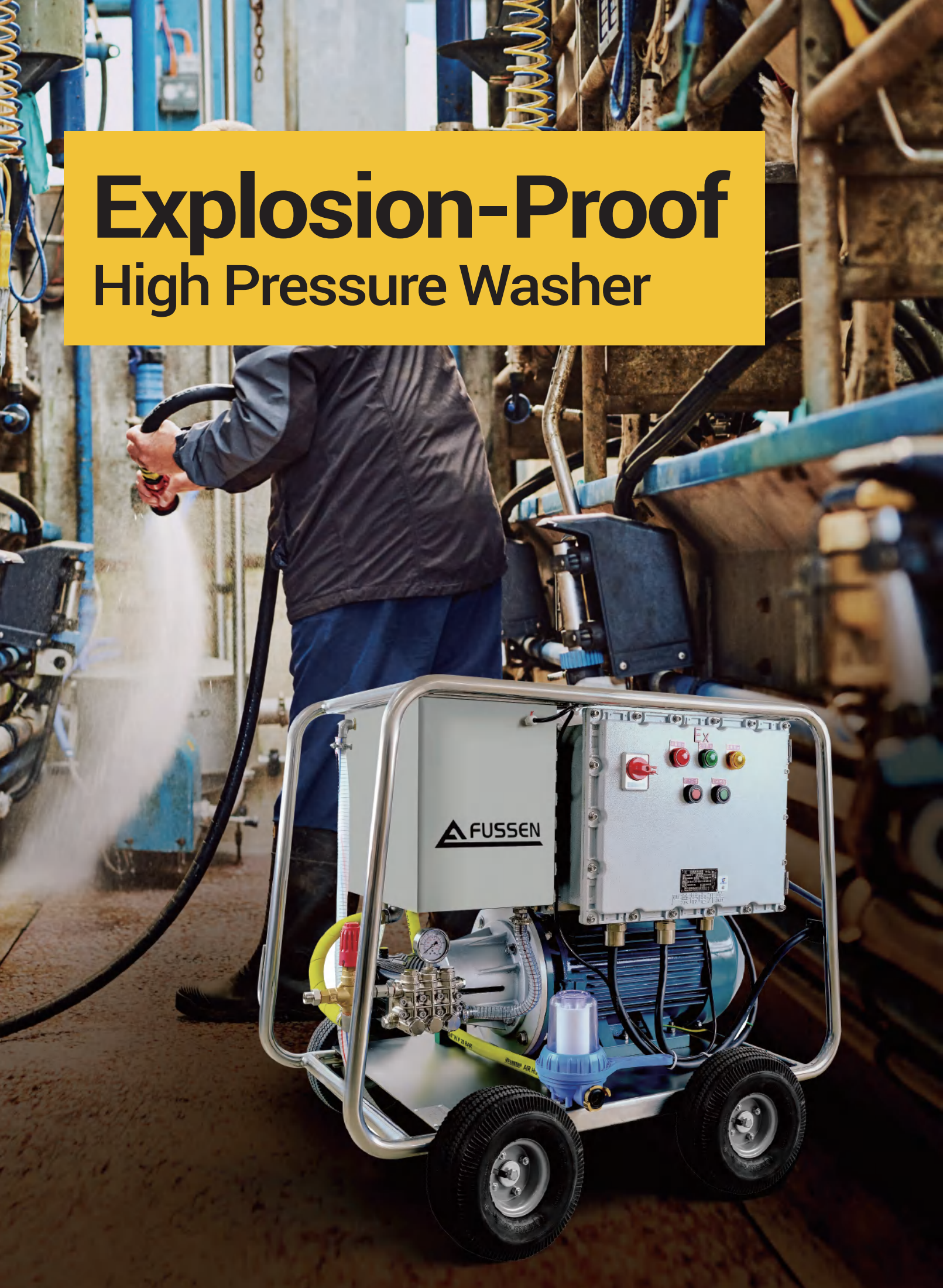


Nickel Plated Brass Pump



Stainless Steel Pump

# Explosion-Proof High Pressure Washer



## FAE-EX SERIES

Explosion-Proof High Pressure Washer



### Key Components

- |                                        |                                    |
|----------------------------------------|------------------------------------|
| ■ Explosion-Proof Electric Control Box | ■ Stainless Steel Pressure Gauge   |
| ■ Industrial Explosion-Proof Motor     | ■ Stainless Steel Heavy-Duty Frame |
| ■ Coupling                             | ■ Solid Tires                      |
| ■ High-Pressure Plunger Pump           | ■ High-Pressure Gun                |
| ■ Pressure Regulating Valve            | ■ Fan-Shaped Nozzle                |
| ■ High-Precision Filter                | ■ High-Pressure Hose               |

### Optional Accessories



Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Convenient to Move

Compact design, easy to handle, and space-saving.



#### Explosion-Proof Motor

Ensures safe operation in explosive atmospheres.



#### High Explosion-Proof Rating

Optional ATEX, Exd IIB T4 Gb and Exd II C T4 Gb certifications



#### Explosion-Proof Control Box

Provides reliable protection in explosive atmospheres.



#### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

### Models and Specifications

| Model        | Voltage<br>(Ph/V/Hz) | Flow Rate<br>(L/min) | Pressure<br>(Bar/Mpa/PSI) | Power<br>(kW) | RPM<br>(Rpm) | Weight<br>(kg) | Dimensions<br>(L x W x H mm) |
|--------------|----------------------|----------------------|---------------------------|---------------|--------------|----------------|------------------------------|
| FAE-EX 15/15 | 3/380/50             | 15                   | 150/15/2175               | 5.5           | 1450         | 95             | 780 x 640 x 500              |
| FAE-EX 15/20 | 3/380/50             | 15                   | 200/20/2900               | 5.5           | 1450         | 95             | 780 x 640 x 500              |
| FAE-EX 15/25 | 3/380/50             | 15                   | 250/25/3625               | 7.5           | 1450         | 110            | 780 x 640 x 500              |
| FAE-EX 18/20 | 3/380/50             | 18                   | 200/20/2900               | 7.5           | 1450         | 110            | 780 x 640 x 500              |



# FBE-EX SERIES

Explosion-Proof High Pressure Washer

## Key Components

|                                          |                         |
|------------------------------------------|-------------------------|
| ■ Explosion-Proof Electric Control Box   | ■ Float Valve           |
| ■ Industrial-Grade Explosion-Proof Motor | ■ High-Precision Filter |
| ■ Coupling                               | ■ Stainless Steel Frame |
| ■ High-Pressure Plunger Pump             | ■ Pneumatic Tires       |
| ■ Pressure Regulating Valve              | ■ High-Pressure Gun     |
| ■ Stainless Steel Pressure Gauge         | ■ Fan-Shaped Nozzle     |
| ■ Stainless Steel Water Tank             | ■ High-Pressure Hose    |

## Optional Accessories



Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

## Features



### Convenient to Move

Compact design, easy to handle, and space-saving.



### Explosion-Proof Motor

Ensures safe operation in explosive atmospheres.



### High Explosion-Proof Rating

Optional ATEX, Exd IIB T4 Gb and Exd II C T4 Gb certifications



### Explosion-Proof Control Box

Provides reliable protection in explosive atmospheres.



### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

## Models and Specifications

| Model        | Voltage<br>(Ph/V/Hz) | Flow Rate<br>(L/min) | Pressure<br>(Bar/Mpa/PSI) | Power<br>(kW) | RPM<br>(Rpm) | Weight<br>(kg) | Dimensions<br>(L x W x H mm) |
|--------------|----------------------|----------------------|---------------------------|---------------|--------------|----------------|------------------------------|
| FBE-EX 15/30 | 3/380/50             | 15                   | 300/30/4350               | 9.2           | 1450         | 200            | 980 x 680 x 1080             |
| FBE-EX 15/35 | 3/380/50             | 15                   | 350/35/5075               | 11.0          | 1450         | 215            | 980 x 680 x 1080             |
| FBE-EX 18/28 | 3/380/50             | 18                   | 280/28/4060               | 11.0          | 1450         | 215            | 980 x 680 x 1080             |
| FBE-EX 21/25 | 3/380/50             | 21                   | 250/25/3625               | 11.0          | 1450         | 215            | 980 x 680 x 1080             |



# FCE-EX SERIES

Explosion-Proof High Pressure Washer

## Key Components

|                                          |                                 |
|------------------------------------------|---------------------------------|
| ■ Explosion-Proof Electric Control Box   | ■ Stainless Steel Water Tank    |
| ■ Industrial-Grade Explosion-Proof Motor | ■ Stainless Steel Float Valve   |
| ■ Coupling                               | ■ Carbon Steel Heavy-Duty Frame |
| ■ High-Pressure Plunger Pump             | ■ Solid Tires                   |
| ■ Pressure Regulating Valve              | ■ Swivel Wheels                 |
| ■ Safety Valve                           | ■ High-Pressure Gun             |
| ■ Stainless Steel Pressure Gauge         | ■ Fan-Shaped Nozzle             |
| ■ High-Precision Filter                  | ■ High-Pressure Hose            |

## Optional Accessories



Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

## Features



### Convenient to Move

Compact design, easy to handle, and space-saving.



### Explosion-Proof Motor

Ensures safe operation in explosive atmospheres.



### High Explosion-Proof Rating

Optional ATEX, Exd IIB T4 Gb and Exd II C T4 Gb certifications



### Explosion-Proof Control Box

Provides reliable protection in explosive atmospheres.



### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

## Models and Specifications

| Model        | Voltage<br>(Ph/V/Hz) | Flow Rate<br>(L/min) | Pressure<br>(Bar/Mpa/PSI) | Power<br>(kW) | RPM<br>(Rpm) | Weight<br>(kg) | Dimensions<br>(L x W x H mm) |
|--------------|----------------------|----------------------|---------------------------|---------------|--------------|----------------|------------------------------|
| FCE-EX 21/35 | 3/380/50             | 21                   | 350/35/5075               | 15            | 1450         | 310            | 1250 x 580 x 1250            |
| FCE-EX 15/50 | 3/380/50             | 15                   | 500/50/7250               | 15            | 1450         | 310            | 1250 x 580 x 1250            |
| FCE-EX 22/50 | 3/380/50             | 22                   | 500/50/7250               | 22            | 1450         | 310            | 1250 x 580 x 1250            |
| FCE-EX 18/60 | 3/380/50             | 18                   | 600/60/8700               | 22            | 1450         | 310            | 1250 x 580 x 1250            |

# FDE-EX SERIES

Explosion-Proof High Pressure Washer

## Key Components

- |                                          |                         |
|------------------------------------------|-------------------------|
| ■ Intelligent Electric Control Box       | ■ Stainless Steel Frame |
| ■ Industrial-Grade Explosion-Proof Motor | ■ Solid Tires           |
| ■ High-Pressure Plunger Pump             | ■ Swivel Wheels         |
| ■ Pressure Regulating Valve              | ■ High-Pressure Gun     |
| ■ High-Precision Filter                  | ■ Fan-Shaped Nozzle     |
| ■ Stainless Steel Pressure Gauge         | ■ High-Pressure Hose    |

## Features

### Convenient to Move

Compact design, easy to handle, and space-saving.

### Explosion-Proof Control Box

Provides reliable protection in explosive atmospheres.

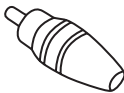
### Explosion-Proof Motor

Ensures safe operation in explosive atmospheres.

### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

## Optional Accessories



Rotating Nozzle



Dump Gun with Rotating Nozzle

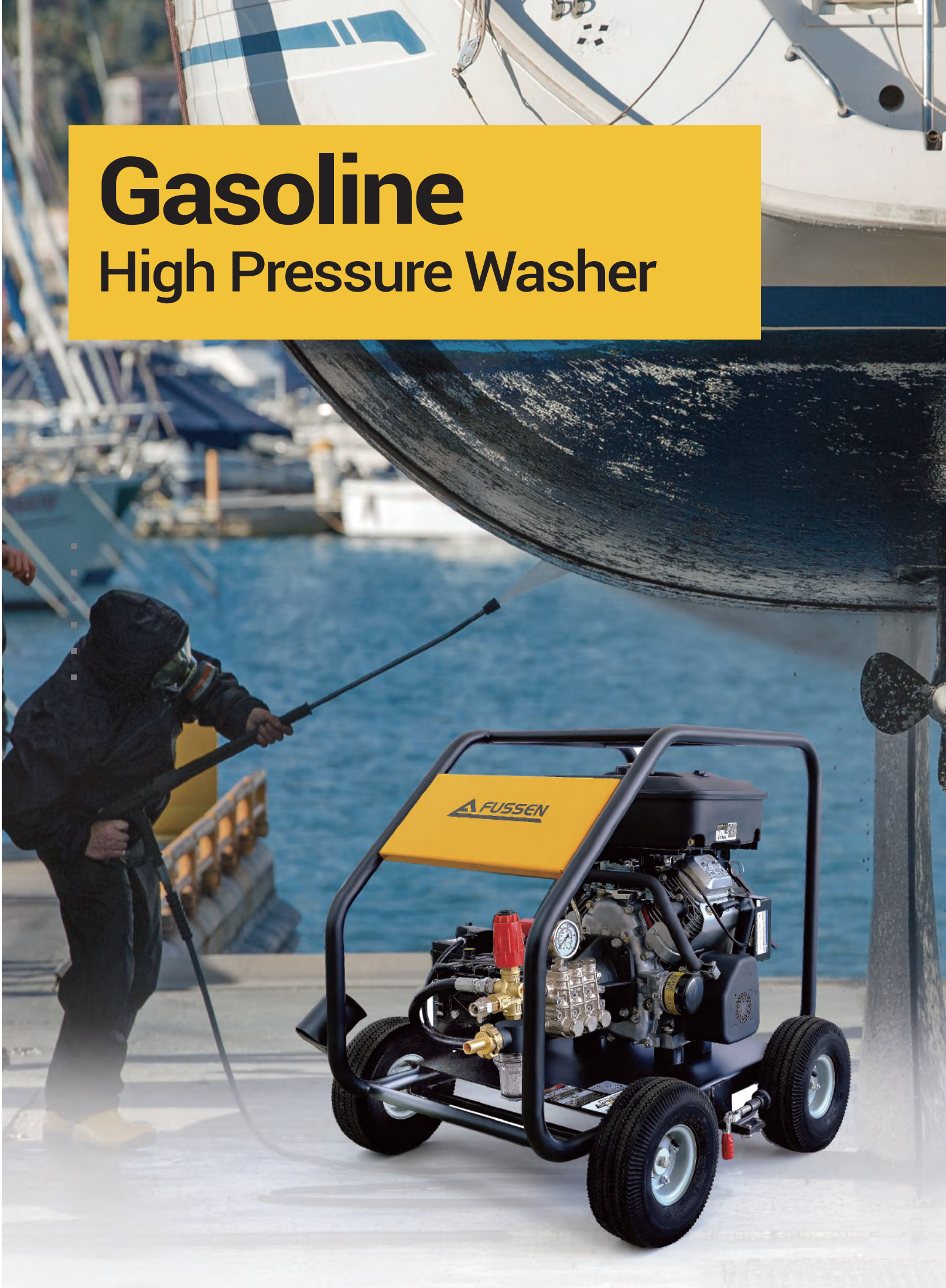


Stainless Steel Pump

## Models and Specifications

| Model         | Voltage<br>(Ph/V/Hz) | Flow Rate<br>(L/min) | Pressure<br>(Bar/Mpa/PSI) | Power<br>(kW) | RPM<br>(Rpm) | Weight<br>(kg) | Dimensions<br>(L x W x H mm) |
|---------------|----------------------|----------------------|---------------------------|---------------|--------------|----------------|------------------------------|
| FDE-EX 30/50  | 3/380/50             | 30                   | 500/50/7250               | 30            | 1450         | 450            | 1350 x 680 x 1200            |
| FDE-EX 20/80  | 3/380/50             | 20                   | 800/80/11600              | 30            | 1450         | 450            | 1350 x 680 x 1200            |
| FDE-EX 15/100 | 3/380/50             | 15                   | 1000/100/14500            | 30            | 1450         | 450            | 1350 x 680 x 1200            |
| FDE-EX 36/50  | 3/440/60             | 36                   | 500/50/7250               | 36            | 1750         | 450            | 1350 x 680 x 1200            |
| FDE-EX 24/80  | 3/440/60             | 24                   | 800/80/11600              | 36            | 1750         | 450            | 1350 x 680 x 1200            |
| FDE-EX 18/100 | 3/440/60             | 18                   | 1000/100/14500            | 36            | 1750         | 450            | 1350 x 680 x 1200            |

# Gasoline High Pressure Washer



# FAG SERIES

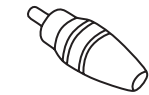
Gasoline High Pressure Washer



### Key Components

|                                  |                      |
|----------------------------------|----------------------|
| ■ Gasoline Engine                | ■ Carbon Steel Frame |
| ■ High-Pressure Plunger Pump     | ■ Pneumatic tires    |
| ■ Gearbox                        | ■ Fuel Tank          |
| ■ Pressure Regulating Valve      | ■ High-pressure pipe |
| ■ High-Precision Filter          | ■ High-Pressure Gun  |
| ■ Stainless Steel Pressure Gauge | ■ Fan-Shaped Nozzle  |
| ■ Battery                        |                      |

### Optional Accessories



Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Convenient to Move

Stylish appearance, compact design, easy to handle, and space-saving.



#### Powerful Performance

Gasoline engine from an internationally renowned brand, featuring low noise, high durability, and long service life.



#### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

### Models and Specifications

| Model     | Flow Rate<br>(L/min) | Pressure<br>(Bar/Mpa/PSI) | Power<br>(kW) | RPM<br>(Rpm) | Weight<br>(kg) | Dimensions<br>(L x W x H mm) |
|-----------|----------------------|---------------------------|---------------|--------------|----------------|------------------------------|
| FAG 15/15 | 15                   | 150/15/2175               | 4.0           | 1450         | 100            | 780 x 620 x 750              |
| FAG 15/20 | 15                   | 200/20/2900               | 5.5           | 1450         | 100            | 780 x 620 x 750              |
| FAG 15/25 | 15                   | 250/25/3625               | 7.5           | 1450         | 100            | 780 x 620 x 750              |
| FAG 18/20 | 18                   | 200/20/2900               | 7.5           | 1450         | 100            | 780 x 620 x 750              |

# FBG SERIES

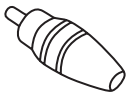
Gasoline High Pressure Washer



### Key Components

|                                  |                      |
|----------------------------------|----------------------|
| ■ Gasoline Engine                | ■ Battery            |
| ■ High-Pressure Plunger Pump     | ■ Heavy-Duty Frame   |
| ■ Gearbox                        | ■ Pneumatic Tires    |
| ■ Pressure Regulating Valve      | ■ High-Pressure Hose |
| ■ High-Precision Filter          | ■ High-Pressure Gun  |
| ■ Stainless Steel Pressure Gauge | ■ Fan-Shaped Nozzle  |
| ■ Fuel Tank                      |                      |

### Optional Accessories



Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Convenient to Move

Stylish appearance, compact design, easy to handle, and space-saving.



#### Powerful Performance

Gasoline engine from an internationally renowned brand, featuring low noise, high durability, and long service life.



#### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

### Models and Specifications

| Model     | Flow Rate<br>(L/min) | Pressure<br>(Bar/Mpa/PSI) | Power<br>(kW) | RPM<br>(Rpm) | Weight<br>(kg) | Dimensions<br>(L x W x H mm) |
|-----------|----------------------|---------------------------|---------------|--------------|----------------|------------------------------|
| FBG 15/30 | 15                   | 300/30/4350               | 9.2           | 1450         | 120            | 890 x 650 x 920              |
| FBG 15/35 | 15                   | 350/35/5075               | 11            | 1450         | 120            | 890 x 650 x 920              |
| FBG 18/28 | 18                   | 280/28/4060               | 11            | 1450         | 120            | 890 x 650 x 920              |
| FBG 21/25 | 21                   | 250/25/3625               | 11            | 1450         | 120            | 890 x 650 x 920              |

# FCG SERIES

Gasoline High Pressure Washer



### Key Components

|                                  |                      |
|----------------------------------|----------------------|
| ■ Gasoline Engine                | ■ Fuel Tank          |
| ■ High-Ppressure Plunger Pump    | ■ Pneumatic Tires    |
| ■ Gearbox                        | ■ Carbon Steel Frame |
| ■ Pressure Regulating Valve      | ■ High-Pressure Gun  |
| ■ High-Precision Filter          | ■ Fan-Shaped Nozzle  |
| ■ Stainless Steel Pressure Gauge | ■ High-Pressure Hose |
| ■ Battery                        |                      |

### Optional Accessories



Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Convenient to Move

Stylish appearance, compact design, easy to handle, and space-saving.



#### Powerful Honda Engine

Delivers strong performance, high durability, and long service life.



#### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

### Models and Specifications

| Model     | Flow Rate<br>(L/min) | Pressure<br>(Bar/Mpa/PSI) | Power<br>(kW) | RPM<br>(Rpm) | Weight<br>(kg) | Dimensions<br>(L x W x H mm) |
|-----------|----------------------|---------------------------|---------------|--------------|----------------|------------------------------|
| FCG 21/35 | 21                   | 350/35/5075               | 15            | 1450         | 150            | 950 x 700 x 980              |
| FCG 15/50 | 15                   | 500/50/7250               | 15            | 1450         | 150            | 950 x 700 x 980              |
| FCG 30/30 | 30                   | 300/30/4350               | 18            | 1450         | 150            | 950 x 700 x 980              |

# FDG SERIES

Gasoline High Pressure Washer



### Key Components

|                                  |                         |
|----------------------------------|-------------------------|
| ■ Gasoline Engine                | ■ Fuel Tank             |
| ■ High-Pressure Plunger Pump     | ■ Battery               |
| ■ Gearbox                        | ■ Pneumatic Tires       |
| ■ Pressure Regulating Valve      | ■ Hose Reel             |
| ■ Safety Valve                   | ■ Stainless Steel Frame |
| ■ High-Precision Filter          | ■ High-Pressure Hose    |
| ■ Stainless Steel Pressure Gauge |                         |

### Optional Accessories

- Rotating Nozzle
- Pipe Cleaning Nozzle
- High-Pressure Gun
- Fan-Shaped Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Convenient to Move

Stylish appearance, compact design, easy to handle, and space-saving.



#### Powerful Honda Engine

Delivers strong performance, high durability, and long service life.



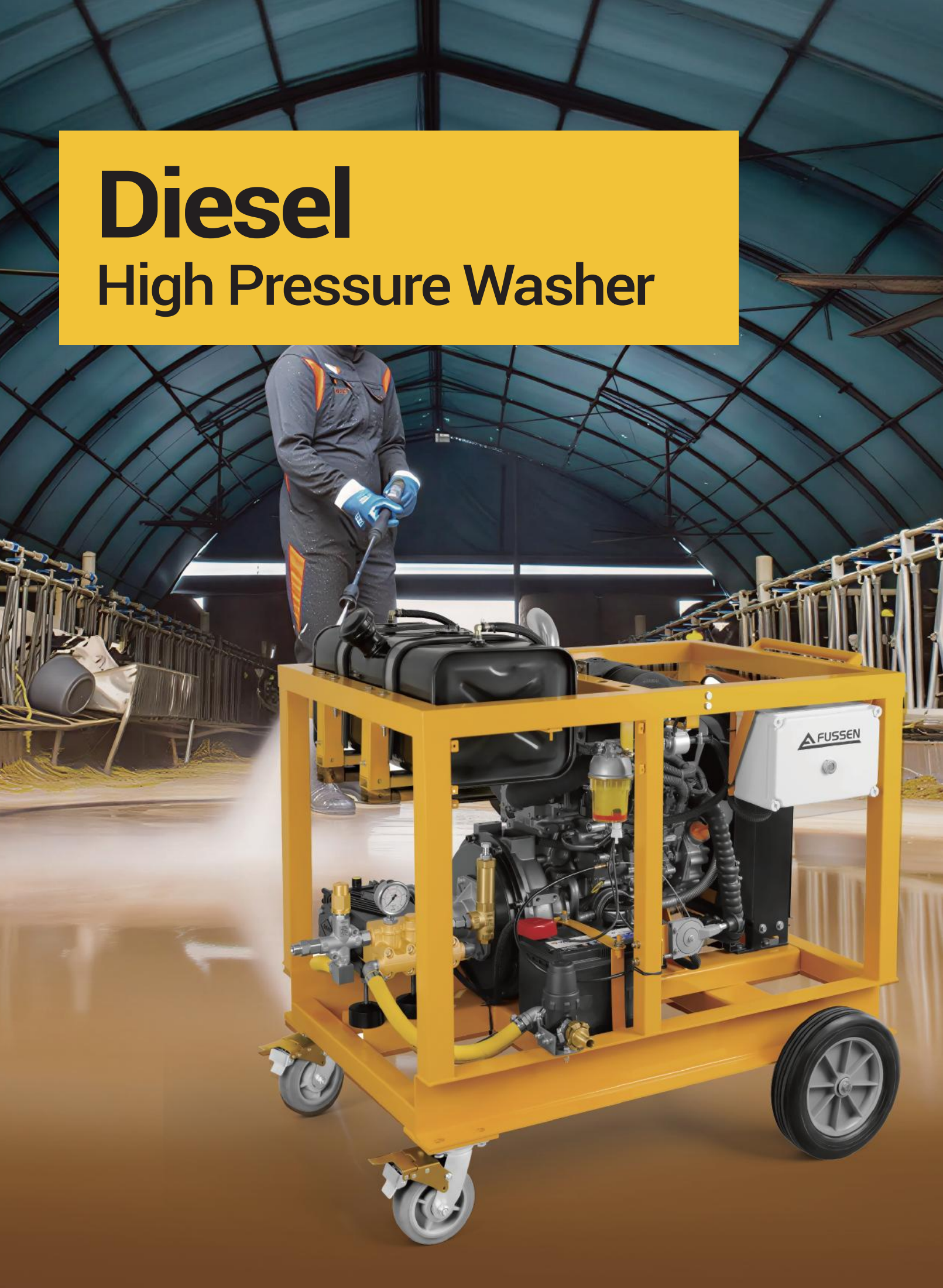
#### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

### Models and Specifications

| Model     | Flow Rate<br>(L/min) | Pressure<br>(Bar/Mpa/PSI) | Power<br>(kW) | RPM<br>(Rpm) | Weight<br>(kg) | Dimensions<br>(L x W x H mm) |
|-----------|----------------------|---------------------------|---------------|--------------|----------------|------------------------------|
| FDG 30/20 | 30                   | 200/20/2900               | 12            | 1450         | 165            | 1100 x 600 x 1250            |
| FDG 40/18 | 40                   | 180/18/2610               | 15            | 1450         | 165            | 1100 x 600 x 1250            |
| FDG 50/15 | 50                   | 150/15/2175               | 15            | 1450         | 165            | 1100 x 600 x 1250            |
| FDG 21/35 | 21                   | 350/35/5075               | 15            | 1450         | 165            | 1100 x 600 x 1250            |
| FDG 15/50 | 15                   | 500/50/7250               | 15            | 1450         | 165            | 1100 x 600 x 1250            |

# Diesel High Pressure Washer



## FAD SERIES

### Diesel High Pressure Washer



#### Key Components

- |                                  |                      |
|----------------------------------|----------------------|
| ■ Diesel Engine                  | ■ Battery            |
| ■ Fuel Tank                      | ■ Carbon Steel Frame |
| ■ High-Pressure Plunger Pump     | ■ Pneumatic Tires    |
| ■ Gearbox                        | ■ High-Pressure Gun  |
| ■ Pressure Regulating Valve      | ■ Fan-Shaped Nozzle  |
| ■ High-Precision Filter          | ■ High-Pressure Hose |
| ■ Stainless Steel Pressure Gauge |                      |

#### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

#### Features



##### Convenient to Move

Stylish appearance, compact design, easy to handle, and space-saving.



##### Powerful Diesel Engine

Well-known brand engine with low noise, high durability, and long service life.



##### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

#### Models and Specifications

| Model     | Flow Rate<br>(L/min) | Pressure<br>(Bar/Mpa/PSI) | Power<br>(kW) | RPM<br>(Rpm) | Weight<br>(kg) | Dimensions<br>(L x W x H mm) |
|-----------|----------------------|---------------------------|---------------|--------------|----------------|------------------------------|
| FAD 15/15 | 15                   | 150/15/2175               | 4.5           | 1450         | 100            | 780 x 620 x 750              |
| FAD 15/20 | 15                   | 200/20/2900               | 5.5           | 1450         | 100            | 780 x 620 x 750              |
| FAD 15/25 | 15                   | 250/25/3625               | 7.5           | 1450         | 115            | 780 x 620 x 750              |
| FAD 18/20 | 18                   | 200/20/2900               | 7.5           | 1450         | 115            | 780 x 620 x 750              |

# FBD SERIES

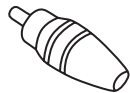
Diesel High Pressure Washer



### Key Components

|                                  |                                    |
|----------------------------------|------------------------------------|
| ■ Diesel Engine                  | ■ Battery                          |
| ■ Fuel Tank                      | ■ Stainless Steel Heavy-Duty Frame |
| ■ High-Pressure Plunger Pump     | ■ Pneumatic Tires                  |
| ■ Gearbox                        | ■ High-Pressure Gun                |
| ■ Pressure Regulating Valve      | ■ Fan-Shaped Nozzle                |
| ■ High-Precision Filter          | ■ High-Pressure Hose               |
| ■ Stainless Steel Pressure Gauge |                                    |

### Optional Accessories



Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Convenient to Move

Stylish appearance, compact design, easy to handle, and space-saving.



#### Powerful Diesel Engine

Well-known brand engine with low noise, high durability, and long service life.



#### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

### Models and Specifications

| Model     | Flow Rate<br>( L/min ) | Pressure<br>( Bar/Mpa/PSI ) | Power<br>( kW ) | RPM<br>( Rpm ) | Weight<br>( kg ) | Dimensions<br>( L x W x H mm ) |
|-----------|------------------------|-----------------------------|-----------------|----------------|------------------|--------------------------------|
| FBD 15/35 | 15                     | 350/35/5075                 | 11              | 1450           | 165              | 1100 x 600 x 920               |
| FBD 18/28 | 18                     | 280/28/4000                 | 11              | 1450           | 165              | 1100 x 600 x 920               |
| FBD 21/35 | 21                     | 350/35/5075                 | 15              | 1450           | 165              | 1100 x 600 x 920               |
| FBD 15/50 | 15                     | 500/50/7250                 | 15              | 1450           | 185              | 1100 x 600 x 920               |
| FBD 30/30 | 30                     | 300/30/4350                 | 18              | 1450           | 185              | 1100 x 600 x 920               |

# FCD SERIES

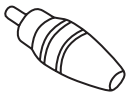
Diesel High Pressure Washer



### Key Components

|                                  |                         |               |
|----------------------------------|-------------------------|---------------|
| ■ Intelligent Control Box        | ■ High-Precision Filter | ■ Gearbox     |
| ■ Diesel Engine                  | ■ Fan-Shaped Nozzle     | ■ Solid Tires |
| ■ High-Pressure Plunger Pump     | ■ Battery               |               |
| ■ Safety Valve                   | ■ High-Pressure Hose    |               |
| ■ Pressure Regulating Valve      | ■ Swivel Wheels         |               |
| ■ Fuel tank                      | ■ Carbon Steel Frame    |               |
| ■ Stainless Steel Pressure Gauge | ■ High-Pressure Gun     |               |

### Optional Accessories



Rotating Nozzle



Brass Pump



Nickel Plated Brass pump



Stainless Steel Pump

### Features



#### Convenient to Move

Stylish appearance, compact design, easy to handle, and space-saving.



#### Powerful Diesel Engine

Well-known brand engine with low noise, high durability, and long service life.



#### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

### Models and Specifications

| Model     | Flow Rate<br>( L/min ) | Pressure<br>( Bar/Mpa/PSI ) | Power<br>( kW ) | RPM<br>( Rpm ) | Weight<br>( kg ) | Dimensions<br>( L x W x H mm ) |
|-----------|------------------------|-----------------------------|-----------------|----------------|------------------|--------------------------------|
| FCD 15/50 | 15                     | 500/15/7250                 | 15              | 1450           | 285              | 1170 x 920 x 1120              |
| FCD 21/35 | 21                     | 350/35/2900                 | 15              | 1450           | 285              | 1170 x 920 x 1120              |
| FCD 22/50 | 22                     | 500/50/7250                 | 22              | 1450           | 303              | 1170 x 920 x 1120              |
| FCD 18/60 | 18                     | 600/60/8700                 | 22              | 1450           | 303              | 1170 x 920 x 1120              |
| FCD 30/50 | 30                     | 500/50/7250                 | 30              | 1450           | 350              | 1170 x 920 x 1120              |

# FED SERIES

Diesel High Pressure Washer



### Key Components

|                              |                                              |
|------------------------------|----------------------------------------------|
| ■ Intelligent Control Box    | ■ Battery                                    |
| ■ Diesel Engine              | ■ Safety Rupture Disc                        |
| ■ Coupling                   | ■ Stainless Steel Pressure Gauge             |
| ■ Large-Capacity Diesel Tank | ■ Stainless Steel Water Tank                 |
| ■ Float Valve for Water Tank | ■ Pressure Regulating Valve                  |
| ■ Water Tank                 | ■ Stainless Steel High-Pressure Plunger Pump |
| ■ High-Precision Filter      | ■ Carbon Steel Heavy-Duty Frame              |

### Optional Accessories

|                        |
|------------------------|
| ■ Rotating Nozzle      |
| ■ Pipe Cleaning Nozzle |
| ■ Foot Valve           |
| ■ Hose Reel            |
| ■ High-Pressure Pipe   |
| ■ Dump Gun             |
| ■ Fan-Shaped Nozzle    |



Dump Gun with Rotating Nozzle



Stainless Steel Pump

### Features

- 

**Easy to Control**

Intelligent electric control box with LCD display for flexible and simple operation.
- 

**Premium Plunger Pump**

High-pressure pump with ceramic plungers and durable seals for long-term stable operation.

- 

**Powerful Diesel Engine**

Well-known brand engine with low noise, high durability, and long service life.
- 

**Low Water Level Protection**

Large-capacity stainless steel water tank with internal float valve prevents pump damage from dry running.

### Models and Specifications

| Model      | Flow Rate (L/min) | Pressure (Bar/Mpa/PSI) | Power (kW) | RPM (Rpm) | Weight (kg) | Dimensions (L x W x H mm) |
|------------|-------------------|------------------------|------------|-----------|-------------|---------------------------|
| FED 20/100 | 20                | 1000/100/14500         | 50         | 1000      | 1350        | 1600 x 950 x 1200         |
| FED 25/100 | 25                | 1000/100/14500         | 58         | 1000      | 1650        | 1600 x 950 x 1200         |
| FED 35/80  | 35                | 800/80/11600           | 56         | 1000      | 1350        | 1600 x 950 x 1200         |
| FED 40/60  | 40                | 600/60/8700            | 50         | 1000      | 1350        | 1600 x 950 x 1200         |

# FKD SERIES

Diesel High Pressure Washer



### Key Components

|                                              |                                  |
|----------------------------------------------|----------------------------------|
| ■ Intelligent Control Box                    | ■ High-precision Filter          |
| ■ Diesel Engine                              | ■ Stainless Steel Pressure Gauge |
| ■ Water Tank                                 | ■ Booster Pump                   |
| ■ Gearbox                                    | ■ Diesel Fuel Tank               |
| ■ Stainless Steel High-Pressure Plunger Pump | ■ Stainless Steel Water Tank     |
| ■ Pressure Regulating Valve                  | ■ Float Valve                    |
| ■ Safety Bursting Disc                       | ■ Carbon Steel Frame             |

### Optional Accessories

|                        |
|------------------------|
| ■ Rotating Nozzle      |
| ■ Pipe Cleaning Nozzle |
| ■ Foot Valve           |
| ■ Hose Reel            |
| ■ High-Pressure Pipe   |
| ■ Dump Gun             |
| ■ Fan-Shaped Nozzle    |



Dump Gun with Rotating Nozzle



Flexible Lance



Foot Valve

### Features

- 

**Easy to Control**

Intelligent electric control box with LCD display for flexible and simple operation.
- 

**Premium Plunger Pump**

High-pressure pump with ceramic plungers and durable seals for long-term stable operation.
- 

**Powerful Diesel Engine**

Well-known brand engine with low noise, high durability, and long service life.
- 

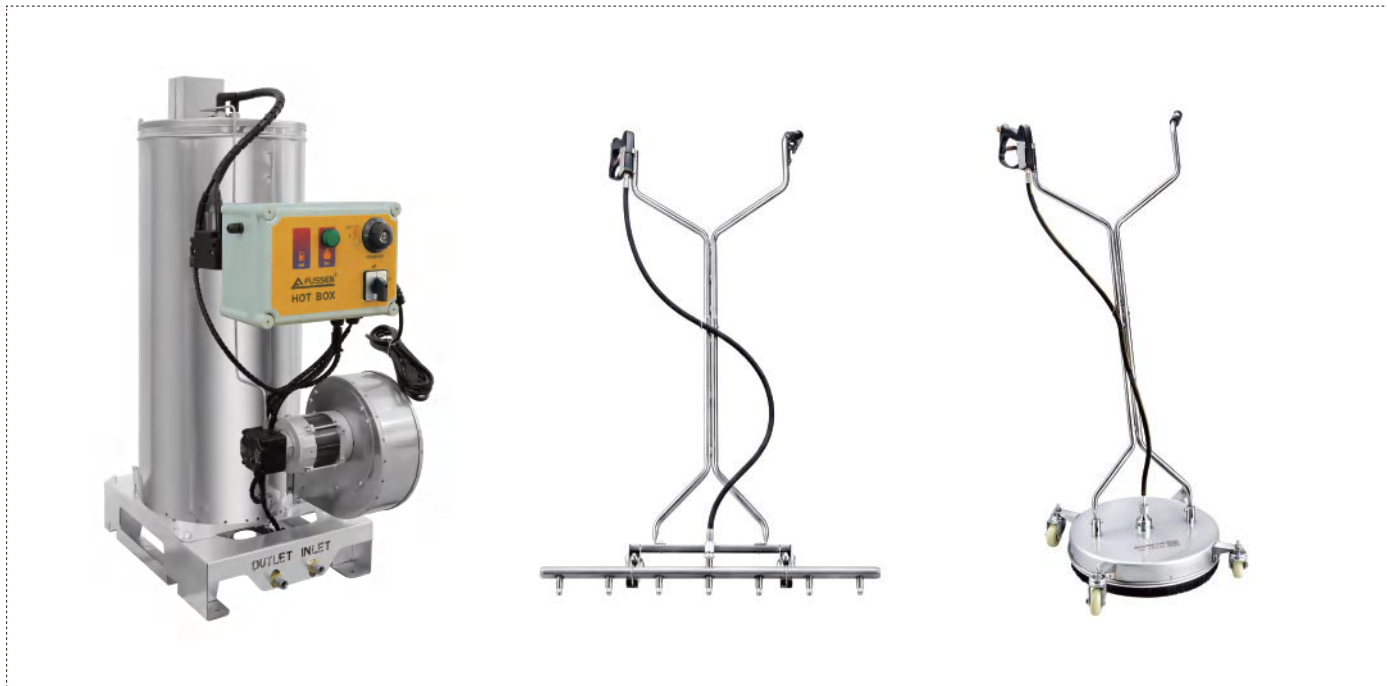
**Low Water Level Protection**

Large-capacity stainless steel water tank with internal float valve prevents pump damage from dry running.

### Models and Specifications

| Model       | Flow rate (L/min) | Pressure (Bar/Mpa/PSI) | Power (kW) | RPM (Rpm) | Weight (kg) | Dimensions (L x W x H mm) |
|-------------|-------------------|------------------------|------------|-----------|-------------|---------------------------|
| FKD 120/100 | 120               | 1000/100/14500         | 264        | 400       | 3500        | 2700x1800x1900            |
| FKD 90/140  | 90                | 1400/140/20305         | 264        | 400       | 3500        | 2700x1800x1900            |
| FKD 30/250  | 30                | 2500/250/36260         | 160        | 400       | 3500        | 2700x1800x1900            |
| FKD 45/280  | 45                | 2800/280/40000         | 264        | 400       | 3500        | 2700x1800x1900            |

# ACCESSORIES



# ACCESSORIES



# Nozzle Chart (20 - 200 bar)

| Nozzle<br>Size | Pressure |                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|----------------|----------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                | Bar      | 20                  | 30    | 40    | 50    | 60    | 70    | 80    | 90    | 100   | 110   | 120   | 130   | 140   | 150   | 160   | 170   | 180   | 190   | 200   |
|                | PSI      | 290                 | 435   | 580   | 725   | 870   | 1015  | 1160  | 1305  | 1450  | 1595  | 1740  | 1885  | 2030  | 2175  | 2320  | 2465  | 2610  | 2755  | 2900  |
|                | Ø mm     | Flow Rate ( L/min ) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 015            | 0.80     | 1.5                 | 1.9   | 2.2   | 2.4   | 2.6   | 2.8   | 3     | 3.2   | 3.4   | 3.6   | 3.7   | 3.9   | 4.0   | 4.2   | 4.3   | 4.4   | 4.6   | 4.7   | 4.8   |
| 02             | 0.91     | 2.1                 | 2.5   | 2.9   | 3.3   | 3.6   | 3.8   | 4.1   | 4.4   | 4.6   | 4.8   | 5.0   | 5.2   | 5.4   | 5.6   | 5.8   | 6.0   | 6.2   | 6.3   | 6.5   |
| 025            | 1.00     | 2.5                 | 3.1   | 3.5   | 4.0   | 4.3   | 4.7   | 5.0   | 5.3   | 5.6   | 5.9   | 6.1   | 6.4   | 6.6   | 6.9   | 7.1   | 7.3   | 7.5   | 7.7   | 7.9   |
| 03             | 1.09     | 3.0                 | 3.7   | 4.3   | 4.8   | 5.3   | 5.7   | 6.1   | 6.5   | 6.8   | 7.1   | 7.4   | 7.8   | 8.0   | 8.3   | 8.6   | 8.9   | 9.1   | 9.4   | 9.6   |
| 035            | 1.15     | 3.6                 | 4.4   | 5.1   | 5.7   | 6.2   | 6.7   | 7.2   | 7.6   | 8.0   | 8.4   | 8.8   | 9.1   | 9.5   | 9.8   | 10.1  | 10.4  | 10.7  | 11.0  | 11.3  |
| 04             | 1.19     | 4.1                 | 5.0   | 5.8   | 6.4   | 7.0   | 7.6   | 8.1   | 8.6   | 9.1   | 9.5   | 10    | 10.4  | 10.8  | 11.1  | 11.5  | 11.9  | 12.2  | 12.5  | 12.9  |
| 045            | 1.27     | 4.6                 | 5.6   | 6.5   | 7.3   | 8.0   | 8.6   | 9.2   | 9.8   | 10.3  | 10.8  | 11.3  | 11.7  | 12.2  | 12.6  | 13    | 13.4  | 13.8  | 14.2  | 14.6  |
| 05             | 1.35     | 5.1                 | 6.2   | 7.2   | 8.1   | 8.8   | 9.5   | 10.2  | 10.8  | 11.4  | 12.0  | 12.5  | 13.0  | 13.5  | 14.0  | 14.4  | 14.9  | 15.3  | 15.7  | 16.1  |
| 055            | 1.40     | 5.6                 | 6.8   | 7.9   | 8.8   | 9.7   | 10.5  | 11.2  | 11.9  | 12.5  | 13.1  | 13.7  | 14.3  | 14.8  | 15.3  | 15.8  | 16.3  | 16.8  | 17.2  | 17.7  |
| 06             | 1.47     | 6.1                 | 7.5   | 8.7   | 9.7   | 10.6  | 11.5  | 12.3  | 13.0  | 13.7  | 14.4  | 15.0  | 15.6  | 16.2  | 16.8  | 17.3  | 17.9  | 18.4  | 18.9  | 19.4  |
| 065            | 1.52     | 6.6                 | 8.1   | 9.4   | 10.5  | 11.5  | 12.4  | 13.2  | 14.0  | 14.8  | 15.5  | 16.2  | 16.9  | 17.5  | 18.1  | 18.7  | 19.3  | 19.9  | 20.4  | 20.9  |
| 07             | 1.60     | 7.2                 | 8.8   | 10.1  | 11.3  | 12.4  | 13.4  | 14.3  | 15.2  | 16.0  | 16.8  | 17.5  | 18.2  | 18.9  | 19.6  | 20.2  | 20.9  | 21.5  | 22.1  | 22.6  |
| 075            | 1.65     | 7.6                 | 9.4   | 10.8  | 12.1  | 13.2  | 14.3  | 15.3  | 16.2  | 17.1  | 17.9  | 18.7  | 19.5  | 20.2  | 20.9  | 21.6  | 22.3  | 22.9  | 23.6  | 24.2  |
| 08             | 1.70     | 8.1                 | 10.0  | 11.5  | 12.9  | 14.1  | 15.2  | 16.3  | 17.3  | 18.2  | 19.1  | 19.9  | 20.8  | 21.5  | 22.3  | 23.0  | 23.7  | 24.4  | 25.1  | 25.7  |
| 085            | 1.75     | 8.7                 | 10.6  | 12.3  | 13.7  | 15.0  | 16.2  | 17.4  | 18.4  | 19.4  | 20.3  | 21.3  | 22.1  | 23.0  | 23.8  | 24.5  | 25.3  | 26.0  | 26.7  | 27.4  |
| 09             | 1.80     | 9.4                 | 11.5  | 13.3  | 14.8  | 16.3  | 17.6  | 18.8  | 19.9  | 21.0  | 22.0  | 23.0  | 23.9  | 24.8  | 25.7  | 26.6  | 27.4  | 28.2  | 28.9  | 29.7  |
| 095            | 1.85     | 9.8                 | 12.0  | 13.9  | 15.6  | 17.0  | 18.4  | 19.7  | 20.9  | 22.0  | 23.1  | 24.1  | 25.1  | 26.0  | 26.9  | 27.8  | 28.7  | 29.5  | 30.3  | 31.1  |
| 10             | 1.90     | 10.3                | 12.6  | 14.5  | 16.3  | 17.8  | 19.2  | 20.6  | 21.8  | 23.0  | 24.1  | 25.2  | 26.2  | 27.2  | 28.2  | 29.1  | 30.0  | 30.9  | 31.7  | 32.5  |
| 105            | 1.94     | 10.7                | 13.2  | 16.6  | 18.2  | 18.6  | 19.9  | 20.1  | 22.8  | 23.5  | 25.2  | 25.7  | 27.4  | 28.4  | 28.8  | 30.4  | 30.6  | 32.2  | 33.1  | 33.2  |
| 11             | 1.98     | 11.2                | 13.7  | 15.8  | 17.7  | 19.4  | 20.9  | 22.4  | 23.7  | 25.0  | 26.2  | 27.4  | 28.5  | 29.6  | 30.6  | 31.6  | 32.6  | 33.5  | 34.5  | 35.4  |
| 115            | 2.03     | 11.6                | 14.2  | 16.4  | 18.4  | 20.1  | 21.8  | 23.3  | 24.7  | 26.0  | 27.3  | 28.5  | 29.6  | 30.8  | 31.8  | 32.9  | 33.9  | 34.9  | 35.8  | 36.8  |
| 12             | 2.08     | 12.1                | 14.8  | 17.1  | 19.1  | 20.9  | 22.6  | 24.1  | 25.6  | 27.0  | 28.3  | 29.6  | 30.8  | 31.9  | 33.1  | 34.2  | 35.2  | 36.2  | 37.2  | 38.2  |
| 125            | 2.13     | 12.5                | 15.3  | 17.7  | 19.8  | 21.7  | 23.4  | 25.0  | 26.6  | 28.0  | 29.4  | 30.7  | 31.9  | 33.1  | 34.3  | 35.4  | 36.5  | 37.6  | 38.6  | 39.6  |
| 13             | 2.16     | 13.4                | 16.4  | 19.0  | 21.2  | 23.2  | 25.1  | 26.8  | 28.5  | 30.0  | 31.5  | 32.9  | 34.2  | 35.5  | 36.7  | 37.9  | 39.1  | 40.2  | 41.4  | 42.4  |
| 14             | 2.26     | 14.3                | 17.5  | 20.2  | 22.6  | 24.8  | 26.8  | 28.6  | 30.4  | 32.0  | 33.6  | 35.1  | 36.5  | 37.9  | 39.2  | 40.5  | 41.7  | 42.9  | 44.1  | 45.3  |
| 15             | 2.34     | 15.2                | 18.6  | 21.5  | 24.0  | 26.3  | 28.4  | 30.4  | 32.3  | 34.0  | 35.7  | 37.2  | 38.8  | 40.2  | 41.6  | 43.0  | 44.3  | 45.6  | 46.9  | 48.1  |
| 16             | 2.41     | 16.1                | 19.7  | 22.8  | 25.5  | 27.9  | 30.1  | 32.2  | 34.2  | 36.0  | 37.8  | 39.4  | 41.0  | 42.6  | 44.1  | 45.5  | 46.9  | 48.3  | 49.6  | 50.9  |
| 18             | 2.54     | 18.3                | 22.5  | 25.9  | 29.0  | 31.8  | 34.3  | 36.7  | 38.9  | 41.0  | 43.0  | 44.9  | 46.7  | 48.5  | 50.2  | 51.9  | 53.5  | 55.0  | 56.5  | 58.0  |
| 20             | 2.69     | 20.6                | 25.2  | 29.1  | 32.5  | 35.6  | 38.5  | 41.1  | 43.6  | 46.0  | 48.2  | 50.4  | 52.4  | 54.4  | 56.3  | 58.2  | 60.0  | 61.7  | 63.4  | 65.1  |
| 25             | 3.00     | 25.5                | 31.2  | 36.0  | 40.3  | 44.2  | 47.7  | 51.0  | 54.1  | 57.0  | 59.8  | 62.4  | 65.0  | 67.4  | 69.8  | 72.1  | 74.3  | 76.5  | 78.6  | 80.6  |
| 30             | 3.30     | 30.4                | 37.2  | 43.0  | 48.1  | 52.7  | 56.9  | 60.8  | 64.5  | 68.0  | 71.3  | 74.5  | 77.5  | 80.5  | 83.3  | 86.0  | 88.7  | 91.2  | 93.7  | 96.2  |
| 40             | 3.80     | 40.7                | 49.8  | 57.6  | 64.3  | 70.5  | 76.1  | 81.4  | 86.3  | 91.0  | 95.4  | 99.7  | 103.8 | 107.7 | 111.5 | 115.1 | 118.6 | 122.1 | 125.4 | 128.7 |
| 50             | 4.20     | 51.0                | 62.4  | 72.1  | 80.6  | 88.3  | 95.4  | 102.0 | 108.1 | 114.0 | 119.6 | 124.9 | 130.0 | 134.9 | 139.6 | 144.2 | 148.6 | 152.9 | 157.1 | 161.2 |
| 60             | 4.70     | 61.3                | 75.0  | 86.6  | 96.9  | 106.1 | 114.6 | 122.5 | 130.0 | 137.0 | 143.7 | 150.1 | 156.2 | 162.1 | 167.8 | 173.3 | 178.6 | 183.8 | 188.8 | 193.7 |
| 70             | 5.10     | 71.6                | 87.6  | 101.2 | 113.1 | 123.9 | 133.9 | 143.1 | 151.8 | 160.0 | 167.8 | 175.3 | 182.4 | 189.3 | 196.0 | 202.4 | 208.6 | 214.7 | 220.5 | 226.3 |
| 80             | 5.50     | 81.4                | 99.7  | 115.1 | 128.7 | 141.0 | 152.3 | 162.8 | 172.7 | 182.0 | 190.9 | 199.4 | 207.5 | 215.3 | 222.9 | 230.2 | 237.3 | 244.2 | 250.9 | 257.4 |
| 90             | 5.90     | 91.7                | 112.3 | 129.7 | 145.0 | 158.8 | 171.5 | 183.4 | 194.5 | 205.0 | 215.0 | 224.6 | 233.7 | 242.6 | 251.1 | 259.3 | 267.3 | 275   | 282.6 | 289.9 |

# Nozzle Chart (210 - 1250 bar)

| Nozzle<br>Size | Pressure |                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|----------------|----------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
|                | Bar      | 210                 | 220   | 230   | 240   | 250   | 280   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 700   | 800   | 900   | 1000  | 1100  | 1250  |  |
|                | PSI      | 3045                | 3190  | 3335  | 3480  | 3625  | 4060  | 4350  | 5075  | 5800  | 6525  | 7250  | 7975  | 8700  | 10150 | 11600 | 13050 | 14500 | 15955 | 18130 |  |
|                | Ø mm     | Flow Rate ( L/min ) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
| 015            | 0.80     | 4.9                 | 5.0   | 5.2   | 5.3   | 5.4   | 5.7   | 5.9   | 6.4   | 6.8   | 7.2   | 7.6   | 8.0   | 8.3   | 8.9   | 9.5   | 10.1  | 10.6  | 11.1  | 11.9  |  |
| 02             | 0.91     | 6.7                 | 6.8   | 7.0   | 7.1   | 7.3   | 7.7   | 8.0   | 8.6   | 9.2   | 9.8   | 10.3  | 10.8  | 11.3  | 11.8  | 12.6  | 13.4  | 14.1  | 14.8  | 15.8  |  |
| 025            | 1.00     | 8.1                 | 8.3   | 8.5   | 8.7   | 8.9   | 9.4   | 9.7   | 10.5  | 11.2  | 11.9  | 12.5  | 13.1  | 13.7  | 14.8  | 15.8  | 16.8  | 17.7  | 18.5  | 19.8  |  |
| 03             | 1.09     | 9.9                 | 10.1  | 10.3  | 10.5  | 10.8  | 11.4  | 11.8  | 12.7  | 13.6  | 14.4  | 15.2  | 15.9  | 16.7  | 17.7  | 19.0  | 20.1  | 21.2  | 22.2  | 23.7  |  |
| 035            | 1.15     | 11.6                | 11.9  | 12.1  | 12.4  | 12.6  | 13.4  | 13.9  | 15.0  | 16.0  | 17.0  | 17.9  | 18.8  | 19.6  | 20.7  | 22.1  | 23.5  | 24.7  | 26.0  | 27.7  |  |
| 04             | 1.19     | 13.2                | 13.5  | 13.8  | 14.1  | 14.4  | 15.2  | 15.8  | 17.0  | 18.2  | 19.3  | 20.3  | 21.3  | 22.3  | 23.7  | 25.3  | 26.8  | 28.3  | 29.7  | 31.6  |  |
| 045            | 1.27     | 14.9                | 15.3  | 15.6  | 16.0  | 16.3  | 17.2  | 17.8  | 19.3  | 20.6  | 21.8  | 23.0  | 24.2  | 25.2  | 26.6  | 28.5  | 30.2  | 31.8  | 33.4  | 35.6  |  |
| 05             | 1.35     | 16.5                | 16.9  | 17.3  | 17.7  | 18.0  | 19.1  | 19.7  | 21.3  | 22.8  | 24.2  | 25.5  | 26.7  | 27.9  | 29.6  | 31.6  | 33.5  | 35.4  | 37.1  | 39.5  |  |
| 055            | 1.40     | 18.1                | 18.5  | 19.0  | 19.4  | 19.8  | 20.9  | 21.7  | 23.4  | 25.0  | 26.5  | 28.0  | 29.3  | 30.6  | 32.5  | 34.8  | 36.9  | 38.9  | 40.8  | 43.5  |  |
| 06             | 1.47     | 19.9                | 20.3  | 20.8  | 21.2  | 21.7  | 22.9  | 23.7  | 25.6  | 27.4  | 29.1  | 30.6  | 32.1  | 33.6  | 35.5  | 37.9  | 40.2  | 42.4  | 44.5  | 47.4  |  |
| 065            | 1.52     | 21.4                | 22.0  | 22.4  | 22.9  | 23.4  | 24.8  | 25.6  | 27.7  | 29.6  | 31.4  | 33.1  | 34.7  | 36.3  | 38.5  | 41.1  | 43.6  | 46.0  | 48.2  | 51.4  |  |
| 07             | 1.60     | 23.2                | 23.7  | 24.3  | 24.8  | 25.3  | 26.8  | 27.7  | 29.9  | 32.0  | 33.9  | 35.8  | 37.5  | 39.2  | 41.4  | 44.3  | 47.0  | 49.5  | 51.9  | 55.3  |  |
| 075            | 1.65     | 24.8                | 25.4  | 25.9  | 26.5  | 27.0  | 28.6  | 29.6  | 32.0  | 34.2  | 36.3  | 38.2  | 40.1  | 41.9  | 44.4  | 47.4  | 50.3  | 53.0  | 55.6  | 59.3  |  |
| 08             | 1.70     | 26.4                | 27.0  | 27.6  | 28.2  | 28.8  | 30.5  | 31.5  | 34.0  | 36.4  | 38.6  | 40.7  | 42.7  | 44.6  | 47.3  | 50.6  | 53.7  | 56.6  | 59.3  | 63.2  |  |
| 085            | 1.75     | 28.1                | 28.8  | 29.4  | 30.1  | 30.7  | 32.5  | 33.6  | 36.3  | 38.8  | 41.2  | 43.4  | 45.5  | 47.5  | 50.3  | 53.8  | 57.0  | 60.1  | 63.0  | 67.2  |  |
| 09             | 1.80     | 30.4                | 31.1  | 31.8  | 32.5  | 33.2  | 35.1  | 36.4  | 39.3  | 42.0  | 44.5  | 47.0  | 49.2  | 51.4  | 53.2  | 56.9  | 60.4  | 63.6  | 66.7  | 71.2  |  |
| 095            | 1.85     | 31.9                | 32.6  | 33.4  | 34.1  | 34.8  | 36.8  | 38.1  | 41.2  | 44.0  | 46.7  | 49.2  | 51.6  | 53.9  | 56.2  | 60.1  | 63.7  | 67.2  | 70.5  | 75.1  |  |
| 10             | 1.90     | 33.3                | 34.1  | 34.9  | 35.6  | 36.4  | 38.5  | 39.8  | 43.0  | 46.0  | 48.8  | 51.4  | 53.9  | 56.3  | 59.2  | 63.2  | 67.1  | 70.7  | 74.2  | 79.1  |  |
| 105            | 1.94     | 34.8                | 34.8  | 36.4  | 37.2  | 37.1  | 39.3  | 40.7  | 43.9  | 47.0  | 51.0  | 52.5  | 56.3  | 57.5  | 62.1  | 66.4  | 70.4  | 74.2  | 79.7  | 84.9  |  |
| 11             | 1.98     | 36.2                | 37.1  | 37.9  | 38.7  | 39.5  | 41.8  | 43.3  | 46.8  | 50.0  | 53.0  | 55.9  | 58.6  | 61.2  | 65.1  | 69.6  | 73.8  | 77.8  | 81.6  | 87.0  |  |
| 115            | 2.03     | 37.7                | 38.6  | 39.4  | 40.3  | 41.1  | 43.5  | 45.0  | 48.6  | 52.0  | 55.2  | 58.1  | 61.0  | 63.7  | 68.0  | 72.7  | 77.1  | 81.3  | 85.3  | 90.9  |  |
| 12             | 2.08     | 39.1                | 40.0  | 40.9  | 41.8  | 42.7  | 45.2  | 46.8  | 50.5  | 54.0  | 57.3  | 60.4  | 63.3  | 66.1  | 71.0  | 75.9  | 80.5  | 84.9  | 89.0  | 94.9  |  |
| 125            | 2.13     | 40.6                | 41.5  | 42.5  | 43.4  | 44.3  | 46.9  | 48.5  | 52.4  | 56.0  | 59.4  | 62.6  | 65.7  | 68.6  | 74.0  | 79.1  | 83.9  | 88.4  | 92.7  | 98.8  |  |
| 13             | 2.16     | 43.5                | 44.5  | 45.5  | 46.5  | 47.4  | 50.2  | 52    | 56.1  | 60.0  | 63.6  | 67.1  | 70.4  | 73.5  | 76.9  | 82.2  | 87.2  | 91.9  | 96.4  | 102.8 |  |
| 14             | 2.26     | 46.4                | 47.5  | 48.5  | 49.6  | 50.6  | 53.5  | 55.4  | 59.9  | 64.0  | 67.9  | 71.6  | 75.0  | 78.4  | 82.8  | 88.5  | 93.9  | 99.0  | 103.8 | 110.7 |  |
| 15             | 2.34     | 49.3                | 50.4  | 51.6  | 52.7  | 53.8  | 56.9  | 58.9  | 63.6  | 68.0  | 72.1  | 76.0  | 79.7  | 83.3  | 88.7  | 94.9  | 100.6 | 106.1 | 111.2 | 118.6 |  |
| 16             | 2.41     | 52.2                | 53.4  | 54.6  | 55.8  | 56.9  | 60.2  | 62.4  | 67.3  | 72.0  | 76.4  | 80.5  | 84.4  | 88.2  | 94.7  | 101.2 | 107.3 | 113.1 | 118.7 | 126.5 |  |
| 18             | 2.54     | 59.4                | 60.8  | 62.2  | 63.5  | 64.8  | 68.6  | 71.0  | 76.7  | 82.0  | 87.0  | 91.7  | 96.2  | 100.4 | 106.5 | 113.8 | 120.7 | 127.3 | 133.5 | 142.3 |  |
| 20             | 2.69     | 66.7                | 68.2  | 69.8  | 71.3  | 72.7  | 77.0  | 79.7  | 86.1  | 92.0  | 97.6  | 102.9 | 107.9 | 112.7 | 118.3 | 126.5 | 134.2 | 141.4 | 148.3 | 158.1 |  |
| 25             | 3.00     | 82.6                | 84.5  | 86.4  | 88.3  | 90.1  | 95.4  | 98.7  | 106.6 | 114.0 | 120.9 | 127.5 | 133.7 | 139.6 | 147.9 | 158.1 | 167.7 | 176.8 | 185.4 | 197.6 |  |
| 30             | 3.30     | 98.5                | 100.9 | 103.1 | 105.3 | 107.5 | 113.8 | 117.8 | 137.2 | 136.0 | 144.2 | 152.1 | 159.5 | 166.6 | 177.5 | 189.7 | 201.2 | 212.1 | 222.5 | 237.2 |  |
| 40             | 3.80     | 131.9               | 135.0 | 138.0 | 141.0 | 143.9 | 152.3 | 157.6 | 170.2 | 182.0 | 193.0 | 203.5 | 213.4 | 222.9 | 236.6 | 253.0 | 268.3 | 282.8 | 296.6 | 316.2 |  |
| 50             | 4.20     | 165.2               | 169.1 | 172.9 | 176.6 | 180.2 | 190.8 | 197.5 | 213.3 | 228.0 | 241.8 | 254.9 | 267.4 | 279.2 | 295.8 | 316.2 | 335.4 | 353.6 | 370.8 | 395.3 |  |
| 60             | 4.70     | 198.5               | 203.2 | 207.8 | 212.2 | 216.6 | 229.2 | 237.3 | 256.3 | 274.0 | 290.6 | 306.3 | 321.3 | 335.6 | 355.0 | 379.5 | 402.5 | 424.3 | 445.0 | 474.3 |  |
| 70             | 5.10     | 231.9               | 237.3 | 242.7 | 247.9 | 253.0 | 267.7 | 277.1 | 299.3 | 320.0 | 339.4 | 357.8 | 375.2 | 391.9 | 423.2 | 452.4 | 479.9 | 505.8 | 530.5 | 565.5 |  |
| 80             | 5.50     | 263.7               | 269.9 | 276.0 | 282.0 | 287.8 | 304.5 | 315.2 | 340.5 | 364.0 | 386.1 | 407.0 | 426.8 | 445.8 | 481.2 | 514.4 | 545.6 | 575.1 | 603.2 | 643.0 |  |
| 90             | 5.90     | 297.1               | 304.1 | 310.9 | 317.6 | 324.1 | 343.0 | 355.1 | 383.5 | 410.0 | 434.9 | 458.4 | 480.8 | 502.1 | 542.3 | 579.7 | 614.9 | 648.2 | 679.8 | 724.7 |  |