

# SPECIFICATIONS – PASSPORT™ SERIES

Here's your Passport to fighting fires around the world.



The S200 fire pump was designed by Waterous engineers to provide the utmost quality and reliability that comes with the Waterous name. With the goal of reaching international standards, the S200 accomplished the goal by meeting EN 1028, NFPA 1901 (North America) and CCC in China. The S200 is quieter, lighter and more flexible than any other fire pump on the market today. You can rest assured that the dependability and quality of the S200 is guaranteed by a 5-Year Limited Warranty.

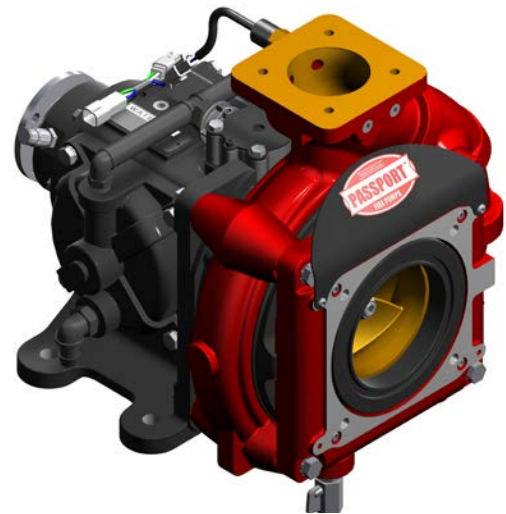
S200 Pump Performance						
FLOW			PRESSURE			
GPM	l/min	l/sec	PSI	bar	kPa	MPa
500	2000	33	150	10	1000	1.0
500	2000	33	200	15	1500	1.5
750	3000	50	150	10	1000	1.0
750	3000	50	200	15	1500	1.5

## Key Factors:

- Maintenance-Free (Oil-Free Primer and self-lubricated bearings)
- Built-in Automatic Primers
- Weighs less than 200 lbs. (91 kg).

## Pump Features

- Volute body and head made with Bronze and lightweight composite materials
- Self-Adjusting Mechanical Seal
- Stainless steel impeller shaft with self-lubricated sealed bearings
- Integrated, fully automatic, oil and maintenance-free piston primer
- Thermal relief valve
- Pedestal constructed of anodized aluminum and contains no oil.



## Warranty

Waterous Five-Year Limited Warranty

## Conditions of Sales

For details on Waterous Condition of Sales, refer to F-2190, *Conditions of Sales* located on the Waterous web site at [www.waterousco.com](http://www.waterousco.com) or by contacting Waterous.

## Industry Leading Sales and Support

When you purchase equipment, not only do you get quality products, you get quality service. Our expert service technicians are the best in the business and they are always happy to answer any service questions you might have.

**Sales/Applications Assistance**  
Phone: 651-450-5234 (Press 3)  
[pumpsales@waterousco.com](mailto:pumpsales@waterousco.com)

**Service Assistance**  
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**THEN, NOW, ALWAYS. MOVING FORWARD.**

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## Pump Specifications:

### Volute Body and Head:

Bronze with lightweight composite materials

### Impeller:

Bronze impellers are standard

### Impeller Shaft:

Consists of an impeller mounted on a stainless steel shaft with self-lubricated sealed bearings.

### Shaft Seal:

The mechanical seal consists of a flat, highly polished (lapped), self-adjusting (spring-fed) carbon ring that is sealed in the pump body. The carbon ring presses against a highly-polished rotating ring that is sealed to and rotates with the impeller. Mechanical seal is retained in and easily removable seal housing.

### Pedestal (Primer Housing):

The pedestal is constructed of anodized aluminum and supports the piston primers and main bearings. Contains no oil. Maintenance is not required.

### Priming:

Integrated, fully automatic, oil and maintenance-free piston primer with 50% more capacity than a typical piston primer. All components are constructed of corrosion-resistant materials.

### Thermal Relief Valve:

The thermal relief valve opens as the temperature of the water inside the pump reaches 49° C. The valve opens and diverts water to one of the following locations:

- To the holding tank, vehicle tank or to atmosphere (ground).

### Bearings:

The main pump shaft uses long-life, double-row angular contact ball bearing and a single-row ball bearing that are self-lubricated, double-sealed and require no maintenance.

## Performance Curves:

