

# QF-450SB

Pressures to 10,000 PSI

Flows to 200 GPM ♦ Power to 600 HP

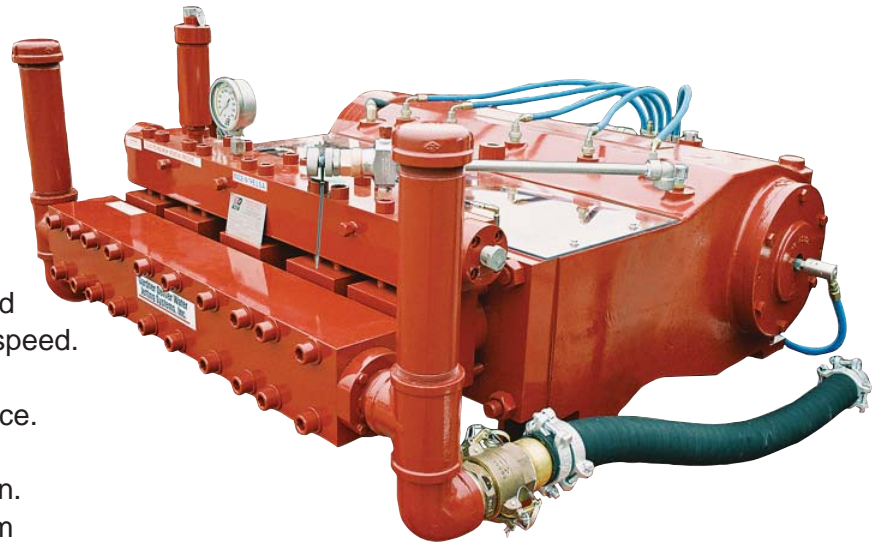


**GARDNER DENVER**  
WATER JETTING  
SYSTEMS, INC.

## Affordable Convertibility

### Features:

- ♦ Quintuplex (five plungers).
- ♦ Sectionalized "L" fluid end design.
- ♦ Pressure range from 5,000 PSI to 10,000 PSI.
- ♦ Flow rates to 200 GPM.
- ♦ Maximum frame load of 25,000 Lbs. / 11340 Kg. for multi-speed and 20,750 Lbs. / 9412 Kg. for single speed.
- ♦ Field proven design.
- ♦ Extremely reliable - thousands in service.
- ♦ Easy field maintenance.
- ♦ All stainless steel fluid end construction.
- ♦ High volumetric efficiency for maximum horsepower utilization.
- ♦ Manufactured on state-of-the-art machinery.
- ♦ Rigorously subjected to full load testing.



### Applications:

- ♦ Water Blasting
- ♦ Hydrostatic Testing
- ♦ Water Disposal
- ♦ Concrete Demolition
- ♦ Surface Preparation

Note: Pump is available with reduction gear.

### Performance Specifications:

	PLUNGER DIA.	MAX. PRESSURE		FLOW					
		PSI	Bar	200 RPM		400 RPM		500 RPM	
				GPM	LPM	GPM	LPM	GPM	LPM
<b>QF-450SB</b>  Note: All flows are based on 100% volumetric efficiency.	1.563" - 40mm	10K	690	37.4	141.6	74.7	282.7	93.4	353.5
	1.625" - 41mm	9K	621	40.4	152.9	80.8	305.8	101.0	382.3
	1.750" - 44mm	8K	552	46.8	177.1	93.6	354.3	117.1	443.2
	1.875" - 48mm	7K	483	53.8	203.6	107.6	407.3	134.5	509.0
	2.000" - 51mm	6K	414	61.2	231.6	122.4	463.3	153.0	579.1
	2.125" - 54mm	5K	345	69.0	261.1	138.1	522.7	172.7	653.7
	2.250" - 57mm	4.5K	310	77.4	292.9	154.8	585.9	193.6	732.8

**Stroke: 4.5" / 114 mm • Max. Speed: 515 RPM • Weight: 5,600 lbs. / 2540 Kg**

GARDNER DENVER WATER JETTING SYSTEMS, INC.

Partek • Liqua-Blaster • CRS Power Flow • Jetting Systems • American Water Blaster

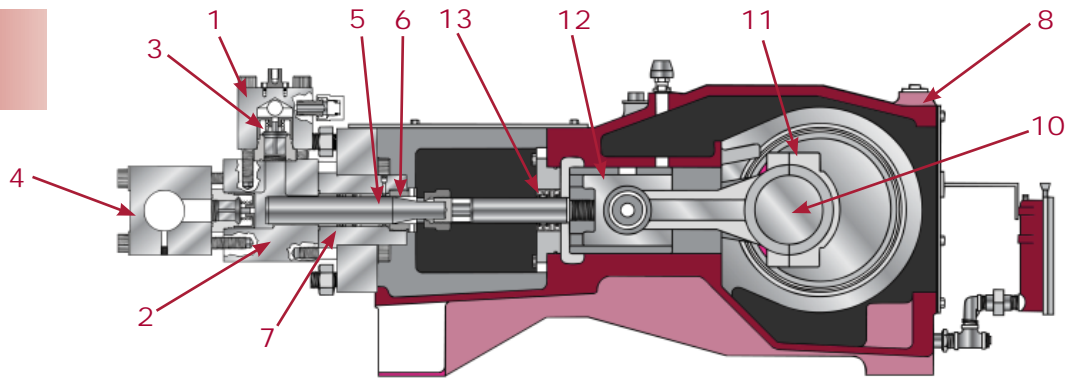
1-800-231-3628 ♦ 281-448-5800 ♦ Fax: 281-448-7500

www.waterjetting.com ♦ E-mail: mktg.wjs@gardnerdenver.com



**GARDNER DENVER**

# QF-450SB



## Fluid End

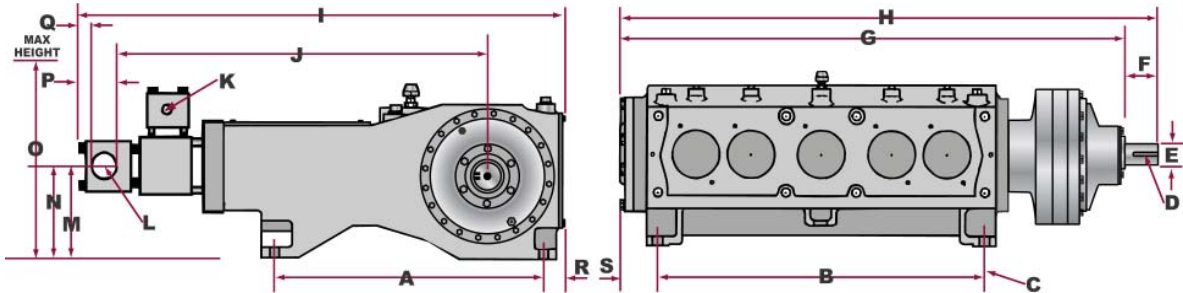
1. Discharge Manifold: Manufactured from precipitation hardened stainless steel.
2. Fluid Cylinder Body: Five cylinders machined from hardened stainless steel and autofrettaged for extended life.
3. Valves: Hardened stainless steel, autofrettaged for extended life. Valves are spring-loaded for positive closing with a common seat used for both suction and discharge valves.
4. Suction Manifold: Hard, anodized aluminum. Also available in stainless for salt water applications.
5. Plungers: Stainless steel with colmonoy coating.
6. Plunger Packing: Carbon filled Teflon™ and polyethylene base, spring-loaded, self-adjusting and easily replaceable from the rear of the stuffing box. Force-fed water provides lubrication and cooling.
7. Stuffing Boxes: Machined from heat treated stainless steel.
8. Pressure Relief: Standard equipment includes a relief valve and a pressure safety head assembly (rupture disc), mounted to the discharge manifold.

## Power End

9. Power Frame: Manufactured from a single piece casting of high strength gray cast iron.
10. Crankshaft: Single extended forged alloy steel with two centered support roller bearings in addition to the tapered roller bearings to minimize side thrust load.
11. Connecting Rods: Ductile iron with automotive type split insert bearings.
12. Crossheads: Large, piston type constructed of gray iron.
13. Diaphragm Seals: Installed with o-rings or gaskets and neoprene oil seals.
14. Pressurized Oil Lubrication System.

Reduction Gear: Constructed of top quality AGMA Class 12 steel. Hardened and ground gears for strength and durability. Ratios available - 3.350:1, 4.200:1, 4.636:1, 5.210:1.

## Dimensions:



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
In.	36	43	1 <sup>5</sup> / <sub>16</sub>	<sup>3</sup> / <sub>4</sub>	2 <sup>7</sup> / <sub>8</sub>	4	63	75	60	46 <sup>7</sup> / <sub>16</sub>	1.5"	3	11 <sup>1</sup> / <sub>4</sub>	11 <sup>1</sup> / <sub>4</sub>	21	5 <sup>3</sup> / <sub>8</sub>	2	2 <sup>1</sup> / <sub>2</sub>	5
mm	914	1092	33	19	73	102	1600	1905	1524	1179		76	286	286	533	137	51	64	127

GARDNER DENVER WATER  
JETTING SYSTEMS, INC.  
12300 North Houston Rosslyn Road  
Houston, TX 77086



[www.candbsales.com](http://www.candbsales.com)  
119 Nolan Road, Broussard, Louisiana 70518  
(337) 837-2701 fax: (337) 837-3250 [sales@candbsales.com](mailto:sales@candbsales.com)



GARDNER DENVER WATER JETTING SYSTEMS, INC.

Partek • Liqua-Blaster • CRS Power Flow • Jetting Systems • American Water Blaster

1-800-231-3628 ♦ 281-448-5800 ♦ Fax: 281-448-7500

[www.waterjetting.com](http://www.waterjetting.com) ♦ E-mail: [mktg.wjs@gardnerdenver.com](mailto:mktg.wjs@gardnerdenver.com)