

PUMPS

**Gardner
Denver**

QF-450SB

WATERJETTING PUMP

Pressures to 10,000 PSI
Flows to 194 GPM • Power 600 HP

BEST-IN-CLASS FEATURES

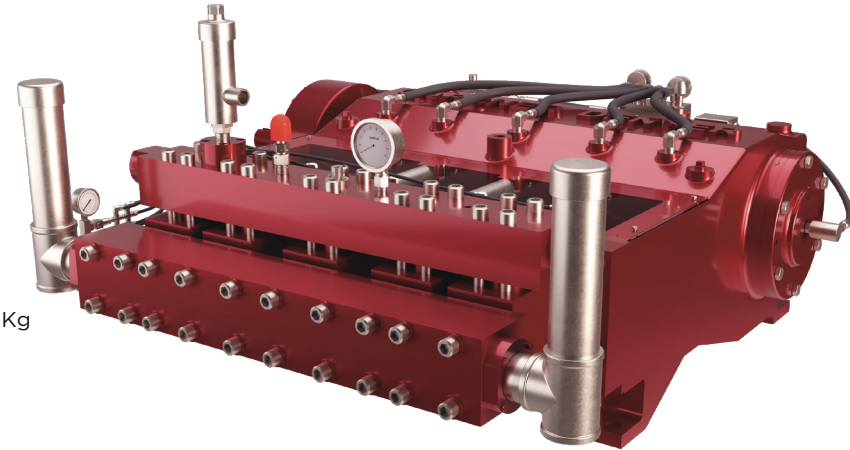
- Rugged elastomer inserted valves provide superior service in “dirty” water applications
- Quintuplex (five plungers)
- Sectionalized “L” fluid end design
- Pressure range from 5,000 PSI to 10,000 PSI
- Flow rates to 200 GPM
- Maximum frame load of 25,000 Lbs / 11,340 Kg for multi-speed and 20,750 Lbs / 9,412 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

SPECIFICATIONS

Weight 5600 lbs / 2540 Kg
Maximum RPM 515 RPM
Stroke Length 4.5 in / 114 mm

APPLICATIONS

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



Plunger Diameter		Max Pressure		Flow					
				200 RPM		400 RPM		500 RPM	
IN	MM	PSI	BAR	GPM	LPM	GPM	LPM	GPM	LPM
1.563	40	10000	690	37.4	141.6	74.7	282.7	93.4	353.5
1.625	41	9000	621	40.4	152.9	80.8	305.8	101.0	382.3
1.750	44	8000	552	46.8	177.1	93.6	354.3	117.1	443.2
1.875	48	7000	483	53.8	203.6	107.6	407.3	134.5	509.0
2.000	51	6000	414	61.2	231.6	122.4	463.3	153.0	579.1
2.125	54	5000	345	69.0	261.1	138.1	522.7	172.7	653.7
2.250	57	4500	310	77.4	292.2	1554.8	585.9	193.6	732.8

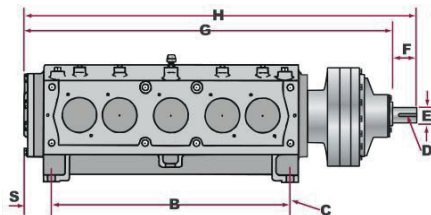
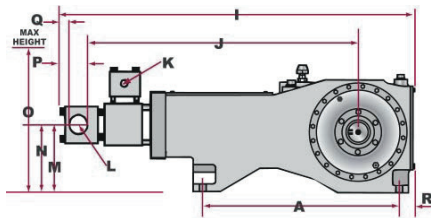
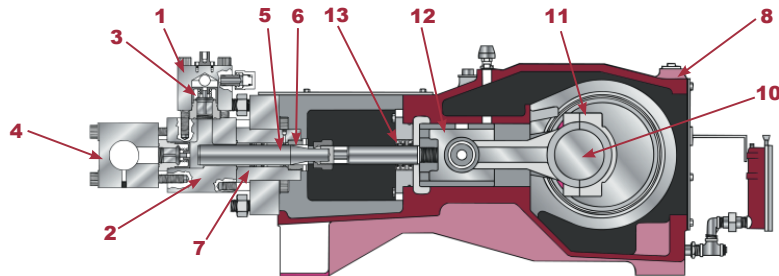
Note: Pump is available with reduction gear.

PUMPS

QF-450SB

WATERJETTING PUMP

SPECIFICATIONS



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:** Stainless steel, wing-guided and spring-loaded for positive closing. Valve seats have a straight shoulder. Both are machined, heat treated and ground with replaceable elastomer seals.
- 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 bull and pinion gears for strength and durability. Ratio available - 4.200:1

CONNECT WITH US

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1-800-231-3628 (USA & Canada)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
IN	36	43	15/16	3/4	2 7/8	4	63	75	60	46 7/16	1.5"	3	11 1/4	11 1/4	21	5 3/8	2	2 1/2	5
MM	914	1092	33	19	73	102	1600	1905	1524	1179	76	286	286	533	137	51	64	127	



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