



# **Jet Edge**

WATERJET SYSTEMS

**WATERJET INTENSIFIER PUMPS**  
PRECISION CUTTING  
2010





**PRECISION PUMPS**



Model	xp90-50	xp90-100	iP55-30	iP60-50	iP55-75	iP55-100	iP55-150	iP55-200	
<b>PERFORMANCE</b>	Maximum pressure	90,000 psi (6,200 bar)		60,000 psi (4,100 bar)					
	Continuous output	75,000 psi (5,200 bar)		60,000 psi (4,100 bar)					
	Intensifier Ratio	25:1	25:1	20:1	20:1	19:1	19:1	19:1	19:1
	Intensifier Configuration	Single	Double	Single	Single/ Redundant	Single/Double	Single/Double	Double	Double
	Flow Rate	0.7 gpm (2.61 lpm)	1.45 gpm (5.49 lpm)	0.65 gpm (2.5 lpm)	1.1 gpm (5 lpm)	1.5 gpm (5.7 lpm)	2.0 gpm (7.6 lpm)	3.25 gpm (12.1 lpm)	4 gpm (15.2 lpm)
	Maximum Rated Orifice	.011 in (.28 mm)	.017 in (.43mm)	.011 in (.28mm)	.015 in (.38mm)	.018 in (.46mm)	.020 in (.51mm)	.025 in (.64mm)	.028 in (.71 mm)
<b>POWER</b>	Motor Output	50hp	100hp	30hp	50hp	75hp	100hp	150hp	200hp
	Full load amps @ 460 VAC (60Hz)	60	124	37	60	89	124	177	240
	Full load amps @ 230 VAC (60Hz0)	130	248	74	130	178	248	354	480
	Full load amps @ 380 VAC (50Hz)	71	147	46	75	112	147	218	288
<b>PHYSICAL</b>	Length	72 in (1830 mm)	86 in (2190 mm)	64 in (1630 mm)	72 in (1830 mm)	86 in (2190 mm)	86 in (2190 mm)	86 in (2190 mm)	93 in (2370 mm)
	Depth	32 in (820 mm)	40 in (1120 mm)	30 in (770 mm)	32 in (820 mm)	40 in (1120 mm)	40 in (1120 mm)	52 in (1320 mm)	57 in (1450 mm)
	Height	53 in (1350 mm)	55 in (1400 mm)	53 in (1350 mm)	53 in (1350 mm)	55 in (1400 mm)	55 in (1400 mm)	55 in (1400 mm)	61 in (1550 mm)
	Weight	2,700 lbs (1230 kg)	4,900 lbs (2230 kg)	2,000 lbs (910 kg)	2,500 lbs (1140 kg)	4,100 lbs (1970 kg)	4,600 lbs (2090 kg)	6,100 lbs (2770 kg)	6,200 lbs (2820 kg)

**90,000 PSI WATERJET**

**Increase productivity up to 50%!  
Reduce operating costs up to 40%!**

**Many of our customers have 35,000 + hours on Jet Edge pumps that are still going strong!**



# A CUT ABOVE

Jet Edge builds the most reliable and easy-to-maintain intensifier pumps on the market. We stand behind our pumps with an industry-leading warranty, free lifetime training, 24/7 service 365 days a year and 99% on-time parts delivery.

**1. Reliable Tie-Rod Design** eliminates threads on the high pressure cylinders, end caps, and hydraulic cylinders. This reduces the likelihood of cracking and increases component life. Matched-metal components prevent galling of hydraulic components.

**2. CE/TUV design-approved attenuator** smoothes pressure fluctuations and delivers constant and steady stream of UHP water.

**3. On-board water filtration** protects pump components, maximizing machine run time.

**4. Easy Operation** - Jet Edge pumps can be controlled remotely from the motion controller and have programmable dual pressures.



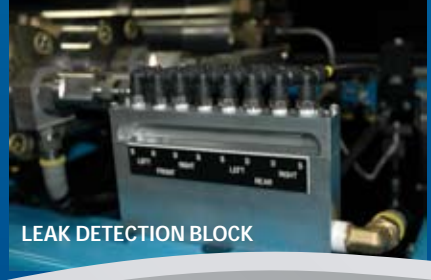
**5. Hydraulic accumulators** are standard on all pumps. This provides smoother hydraulic pressure, reduces spikes and prolongs hydraulic pump life. Hydraulic fluid is cooled and filtered. Rugged hydraulic center section incorporates high duty cycle-rated piston seal and wear rings.

**6. Easy Maintenance** - Access panels make it easy to maintain the pump. Intensifier components can be accessed without having to get into the hydraulic center section and hydraulic rod seal. Leak detection block indicates seals needing replacement. (optional on some pumps). No special tools required.

**7. Standard Wye-Delta motor starter** - Extends the life of the high-efficiency motor and minimizes installation costs.



ATTENUATOR



LEAK DETECTION BLOCK

"Jet Edge pumps are easy to work on and they are the best design out there. Replacing the seals takes a half-hour max." - Ron Palstring, Pegasus Northwest



