



Call to Discuss Details
 H2O Jet
 800-991-4225

Estimate of Operating Costs for Waterjet Pumps

NOTE: Component life is **severely** affected by: water quality, water temperature, ambient temperature, cleanliness of maintenance/rebuild area, maintenance practices, type of cutting, and abrasive type. Actual results will vary.

Basic Assumption About Time

Hours/Day	8
Days per Month	20
Total Months/Year	12
Total Hours per Year	1,920

Consumable	100hp Dual Pump						50hp Single	
	Units per Pump	Life	Est.	Cost Each	Annual Cost	% of Total	Annual Cost	% of Total
High Pressure Seals	2		700	\$147	\$806		\$403	
Low Pressure Seal Kit	2		2,000	\$82	\$157		\$79	
Hydraulic Piston Seals	2		8,000	\$66	\$32		\$16	
High Pressure Cylinders	4		8,000	\$730	\$701		\$350	
Plungers	4		10,000	\$995	\$764		\$382	
Check Valve Repair Kit (Hi and Low)	4		1,000	\$110	\$845		\$422	
Hydraulic Piston	2		16,000	\$329	\$79		\$39	
Check Valve Body	4		4,000	\$375	\$720		\$360	
Water Filter(s)	2		500	\$23	\$177		\$177	
Bleed Down Valve Repair Kit	1		5,000	\$104	\$40		\$40	
Attenuator	1		30,000	\$10,800	\$691		\$691	
Annual Pump Parts					\$5,012	7%	\$2,960	10%
Cutting Head Consumables	Units per Pump	Life	Est.	Cost Each	Annual Cost		Annual Cost	
Cutting Head - IDE	2		1,300	\$765	\$2,260		\$1,130	
Mixing Tube - Standard Type; 3x IDE Size	2		80	\$90	\$4,320		\$2,160	
Annual Cutting Head Cost					\$6,580	10%	\$3,290	11%
Total - Maintenance Parts					\$11,592	17%	\$6,250	21%

	Heads	Pounds(#) per Minute	Cost per #				
Abrasive	2	1.0	\$0.25	\$57,600	83%	\$23,040	79%
Total				\$69,192	100%	\$29,290	100%