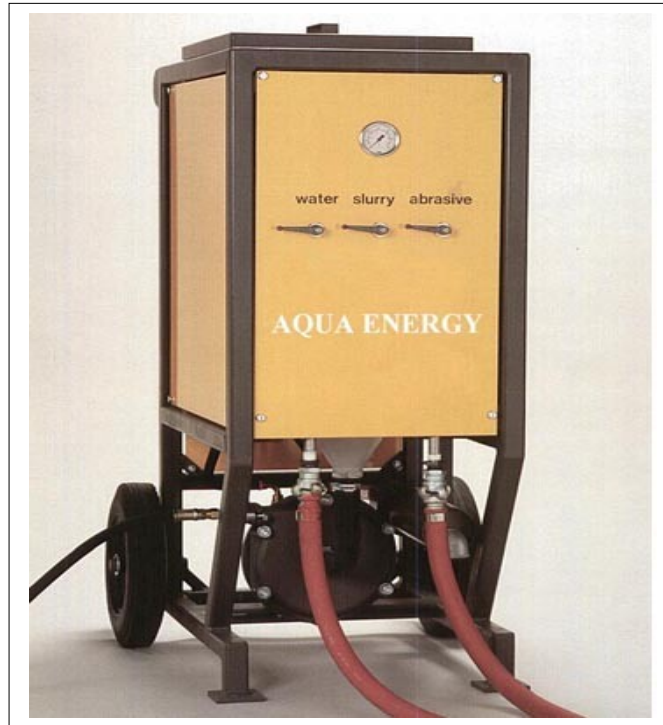


AQUA ENERGY

UNDERWATER ABRASIVE BLAST & COLD CUTTING SYSTEM



AQUA-CUT is an abrasive injection system that permits the introduction of a large variety of abrasives into a high Pressure Water Stream. The resultant abrasive/water mixture can be used for a wide variety of applications ranging from underwater paint removal to metal cutting.

With the addition of Abrasive Metering hopper, abrasives flow for coating removal can be controlled without damaging the softest or hardest substrates. This system offers many advantages and features over more conventional cleaning and cutting systems.

FEATURES:

- Max pressures 1,000 bar (14,500 psi)
- Stainless steel components
- Tungsten carbide inserts
- BSP inlet connections
- Nozzle assembly - 0°
- Abrasive Metering hopper
- Greater cleaning efficiency
- More cost effective
- Works to depths of 200 metres.

**Aqua Energy International Limited, St James Business Centre, Linwood Road, Paisley
PA3 3AT Scotland, UK**

Tel: +44 (0) 141 849 6888 Fax: +44 (0) 141 848 5777

E-mail: info@aquaenergy.com www.aquaenergy.com

AQUA ENERGY

TECHNICAL SPECIFICATIONS

INPUT REQUIREMENTS

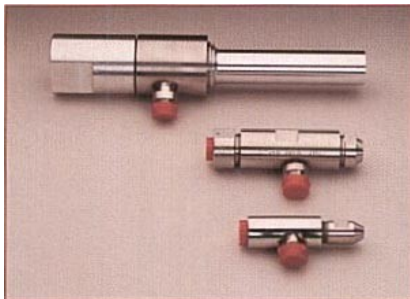
Water Flowrate	: 2.5 gpm (9.5 l-min).
Water Pressure	: Minimum 14.50 psi (1 bar) : Maximum 150 psi (10 bar)
Airflow Rate	: 100 scfm @ 90 psi (170m ³ /h @ 6 bar).
Abrasives	: 2 to 15 lb/min (1 to 7 Kg/min), depending on application.

WATER PUMP REQUIREMENTS

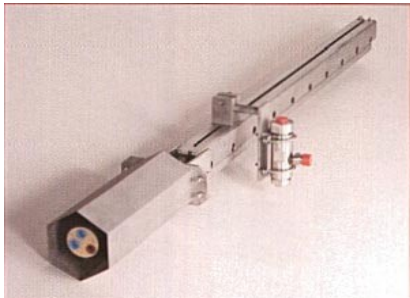
Pressure	psi	3000	4000	5000	6000	7000	8000	9000	10000	15,000
	bar	205	270	340	410	475	545	615	690	1,034
Flowrate	gpm	8.5	9.5	10.6	11.6	12.8	13.8	14.4	15.0	25.00
	l/m	32.2	34	36	44	48.4	52.3	54.5	56.8	95.00

AIR COMPRESSOR REQUIREMENTS

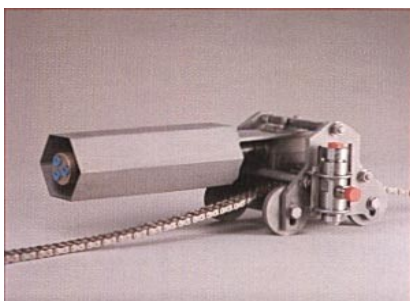
Pressure	psi		50	60	70	80	90	100
	bar		3.8	4.1	4.8	5.4	6.1	6.8
Flowrate	cfm	10mm nozzle	119	142	161	180	195	220
	m3/hr		202	241	273	306	331	374
	cfm	12mm nozzle	174	207	233	260	286	315
	m3/hr		295	351	396	442	486	535



Top: Slurry-blasting head for Compressed air.
Centre: Slurry-blasting head for High-pressure water.



Hydraulic or air-operated linear track for abrasive cutting.
Can be supplied up to 2 metres long



Hydraulic or air operated pipe cutting tracker.
Tracking chains for any size pipe or oil-tank.