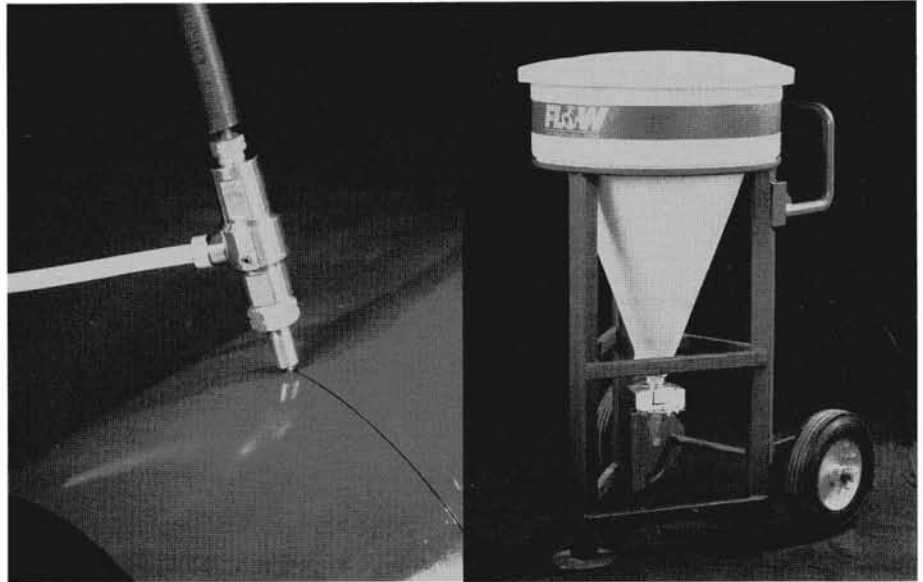


FLOW's Field PASER cuts metal and other hard materials with virtually no heat. Systems can be designed for even your toughest mobile cutting jobs.

Field PASER

Portable Abrasivejet Cutting System



Flow International Corporation (FLOW) is the world leader in ultrahigh-pressure waterjet and abrasivejet technology for industrial cutting and cleaning. That leadership continues with the Field PASER, which brings unmatched product experience to portable cutting applications.

Proven Factory-Cutting Technology for the Field

FLOW's Field PASER™ uses ultrahigh-pressure water and garnet abrasive to cut through virtually any hard material without producing the usual heat associated with torches. This versatile tool slices through many materials which cannot be economically cut by other means.

Built on many years of high-production, high-tolerance factory-based cutting experience, the Field PASER assures you the efficiency and reliability for your toughest mobile cutting jobs.

Flexible Design

The Field PASER's pre-aligned cartridge-style cutting head gives you total flexibility. Since the waterjet orifice and the carbide mixing tube are pre-aligned, no additional adjustment is necessary. Simply attach the cutting head to any standard or custom tracking device, activate the abrasive flow and you are ready to cut.

In the event that either the waterjet orifice or the carbide mixing tube should require replacement in the field, the pre-aligned cartridge is fully serviceable. You may replace either of these components without sacrificing the entire cartridge assembly.

Interchangeable orifices allow the operator to easily adjust the flow rates in the field to meet each job's requirements. For thinner materials, low volumes of water and abrasive may be desirable. For thicker materials and for faster cutting rates, a large-volume nozzle combination can be used.

The Technology

The Field PASER uses a single sapphire orifice which focuses a high-energy stream of water through the center of a mixing chamber. Abrasive particles are pulled into the mixing chamber and entrained into the waterjet stream where the particles become accelerated to very high velocities. Traveling at speeds of

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several times the speed of sound, the abrasive waterjet becomes a powerful, supersonic cutting tool.

The Field *PASER* is the first mobile abrasivejet cutting system that allows you to efficiently use the full flow and pressure ratings of *FLOW's HUSKY™* pump (patent pending)—6.5 gallons per minute [24 lpm] at pressures up to 40,000 psi [2720 bar].

Applications

Abrasive waterjets are routinely used in sensitive environments where a cold cutting method is required. *FLOW* abrasivejet systems are currently at work decommissioning oil and gasoline storage tanks, obsolete rockets and munitions as well as nuclear reactor components. *FLOW's* Field *PASER* is also used for cutting access doors in a variety of structures.

The Field *PASER* system is

omnidirectional with the ability to cut straight lines or contours in hard materials such as steel, reinforced concrete, composite structures, stone, and numerous other materials.

FLOW also offers optional items such as garnet abrasive, as well as various orifice and mixing tube sizes to suit your application.

Field *PASER* Features

- Compact design
- Operator-friendly
- Simple and universal — can be used on virtually any tracking device
- Pre-aligned cartridge requiring no adjustments
- Reduced setup time means more production time
- Quick-change cartridge design for minimum downtime
- Can be rebuilt in the field with simple tools that are provided
- Higher overall cutting efficiency

Flow International Corporation

is the world leader in the development and manufacture of ultrahigh-pressure waterjet cutting and cleaning systems, and a leading provider of powered access equipment. *FLOW* provides technologically advanced, environmentally sound solutions to the manufacturing, industrial cleaning and construction services markets.

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Regional Sales Representatives

are located throughout the United States. Call for the representative nearest you.

International Distributors and Agents

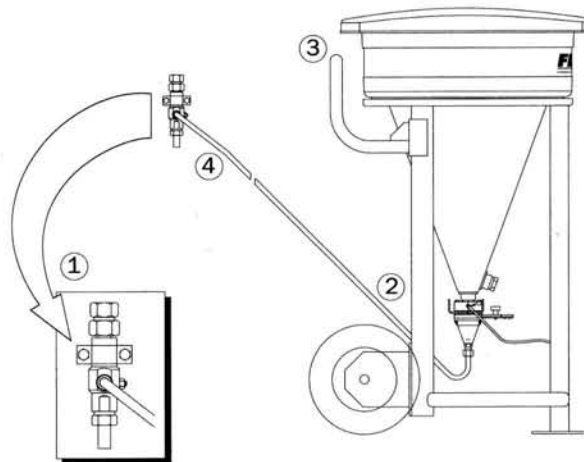
are located worldwide.

Field *PASER*

Model 450CA

SYSTEM INCLUDES:

1. Abrasivejet nozzle (with mounting bracket)
2. Metering valve
3. Hopper assembly
4. Abrasive feed line
5. Carbide mixing tube installation tools (not shown)



FUNCTIONAL SPECIFICATIONS

Pumped media	Water
Maximum water flow rate	6.5 gpm [24 lpm]
Maximum operating pressure	40,000 psi [2720 bar]
Thrust	5 to 74 lbs [2.27 kg to 33.6 kg] (depending on actual flow and pressure)

PHYSICAL SPECIFICATIONS

Standard nozzle length	8 inches [20.32 cm]
Hopper assembly (lid closed)	46.3 inches [117.6 cm]
Hopper assembly (lid open)	70 inches [177.8 cm]
Weight (empty)	140 lbs [63.56 kg]
Weight (fully loaded with garnet)	470 lbs [213.38 kg]
Abrasive feed line (length)	25 ft [7.62 meters]

FLOW
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