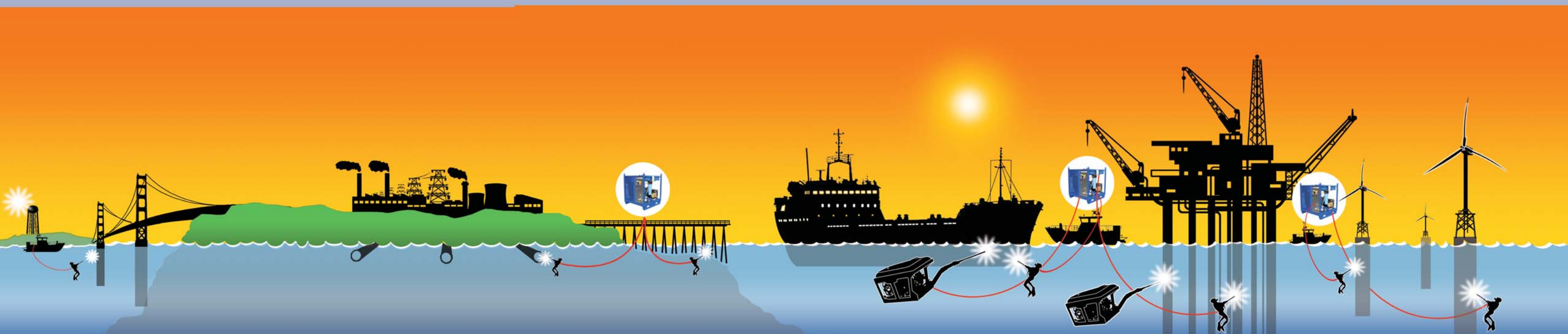




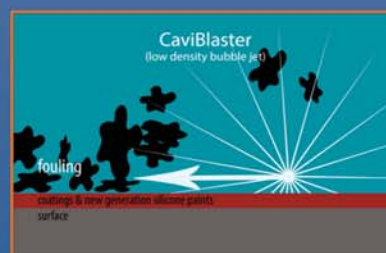
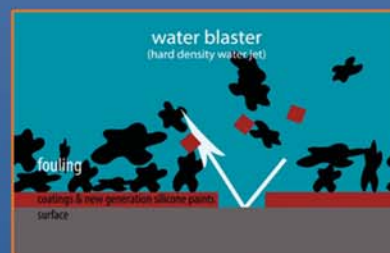
CAVI BLASTER™



The Safe, Efficient, and Versatile Underwater Tools...

Comparing high pressure washer systems to the cavitation system by CaviDyne is simple.

Independent testing proves the CaviBlaster® system (2200psi) cleaned three times the area of a water blaster operating at four times the pressure (10,000 psi). With a water blaster, the jet ricochets off the surface at high velocity and force, removing not just the fouling, but potentially, layers of expensive anti-fouling coatings and new generation silicone paints. The potential for surface damage is high, particularly on softer surfaces. With the CaviDyne system, fouling is lifted from the surface without removing or damaging stable coatings, new generation silicone paints, or softer surfaces such as rubber, plastic, fiber, and fiberglass. Further, the cavitation flow hugs the surface being cleaned, thereby removing fouling faster and more effectively.



1715 Independence Blvd. Ste B-4
Sarasota, FL 34243 USA

To watch a video, see specifications, www.cavidyne.com
or to find a distributor near you go to: 352-275-5319

Distributed By:





Cavidyne LLC: Manufacturer of the CaviBlaster® and CaviDome® The Safe, Efficient and Versatile underwater cleaning System.

A wide range of surfaces and structures can easily and efficiently be cleaned using Cavidyne's proprietary cavitation cleaning systems and tools. Cavitation (cavitation flame) easily clears fouling from all surfaces, including complex shapes and hard to reach holes and crevices. Surfaces with (stable) coatings and new generation silicone paints can effectively be cleaned without damage to the coating. All surfaces, hard or soft, can be cleaned of fouling, including concrete, metals, plastic, wood, rubbers, glass, fiberglass, and fibers such as ropes or nets. When used on bars or grating, the cavitation flame hugs the contour, removing fouling from all sides.

Safety is a key element and advantage with the Cavidyne system. Diver stress is significantly reduced knowing there is little danger of the equipment cutting through limbs, suits, umbilicals, or hoses should the cavitation stream accidentally come in contact with these items. Further, the CaviBlaster® decreases physical fatigue due to the zero thrust design. This allows divers to work for longer periods without resting and to easily handle and manipulate the tool. These factors are key safety considerations especially for multiple diver operations.

Cavidyne ROV submersible hydraulic units offer unmanned ROV operations that are easy to adapt and use for various applications. No adjustments are necessary for working on different materials and the unit can be used in hazardous environments.

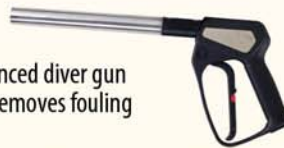
What is Cavitation?

Cavitation is the formation and sudden collapse of vapor bubbles in fluids. It is the formation and instantaneous collapse of tiny voids (or cavities) within a liquid subjected to rapid and intense pressure changes. For the cavitation effect, Cavidyne systems lower the pressure of the fluid to create bubbles of vaporized fluid from the jet that collapse on contact with a surface, tearing the fouling off the surface. Implosion of cavitation vapor bubbles creates a cleaner, smoother surface, and other physical effects that inhibit reattachment and regrowth of bio-fouling on underwater surfaces.



CaviBlaster® Tools:

CaviBlaster® Gun 0625 unbalanced diver gun produces a cavitation flame that removes fouling



CaviBlaster® Zero-Thrust Gun is available in all CaviBlaster® configurations (except 0625), this balanced zero-thrust design reduces muscle strain and diver fatigue.



CaviBlaster® Zero-Thrust Gun 2828 features massive flow output at midlevel pressure which reduces diver fatigue and muscle strain with its balanced zero-thrust design



CaviBlaster® Zero-Thrust Gun 2070 is the ultimate concrete crushing system able to handle the toughest jobs and includes a balanced zero-thrust dump gun.



ROV CaviLance produces a cavitation flame that removes fouling and is able to be balanced or set at various unbalanced levels of thrust so it can work even with your smallest ROV.



CaviDome® has two rotating nozzles to produce a swirling cavitation flame that cleans fouling ahead of the wheels of the dome and under the unit. Negative pressure under the dome holds the device to the surface being cleaned for easy and effective diver control and operation, cleaning a 16" (40 cm) swath in a single pass.



DoubleDome has four rotating nozzles and consists of two connected CaviDomes cleaning a 32" (80 cm) swath in a single pass.



CaviBlaster® Commercial Series



CaviBlaster® 0625 (6gpm/2500psi) is our economical entry level compact and lightweight cavitation cleaning system (available in gas or diesel).



CaviBlaster® 1222 (12gpm/2200psi), our most popular commercial unit, is a compact and lightweight system producing superior cleaning performance. Utilizing ultracavitation, the 1222 at a mere 2200 psi, is documented to out-clean 6,500 psi water blaster system and is available in gas or electric.



CaviBlaster® 1622 (16gpm/2200psi), the Model 1622 replaces the popular 1620 diesel. The increased flow generates a higher level of cavitation bubbles than the smaller Model 1222 unit, for faster, more efficient cleaning. Available with diesel power or electric, and either skid mount or 4 wheel cart configuration



CaviBlaster® 2022 (20gpm/2200psi) is our largest commercial unit. The Commercial Systems, operating at lower pressures, are designed specifically not to damage paints, abrasive or anti-fouling coatings, soft or more fragile surfaces; yet are powerful enough to clean to bare surface if desired.

CaviBlaster® Industrial Series



CaviBlaster® 2040 (20gpm/4000psi) is the industrial workhorse which generates a super stream of high velocity cavitation bubbles for highly efficient cleaning which can strip fouling, corrosion and coatings to bare metal if desired. The 2040 diesel is offshore-rated. An electric version is also available. An even higher flow unit, our **CaviBlaster® 3040** (30gpm/4000psi) provides 50% more flow for faster, super cleaning.



CaviBlaster® 2828 (28gpm/2800psi) is an extremely versatile system that can operate two separate diver 14gpm Z/T Guns or dual CaviDomes simultaneously as well as our DoubleDome Cleaner or a 28gpm single diver Z/T Gun.



CaviBlaster® 2070 (20gpm/7000psi) is the ultimate industrial workhorse for serious cleaning or concrete blasting. Named the ConcreteBlaster, it effectively strips all types of marine fouling corrosion and coatings to bare metal. The unit is also effective for underwater construction and demolition projects, piling re-facing, jacketing and reconstruction, as the unit effectively breaks down concrete.

CaviBlaster® Submersible Hydraulic ROV Series



1030-ROV (10gpm/3000psi) is a compact and powerful submersible hydraulically driven cleaning system compatible with a wide range of ROV's. Available with full forward thrust lances or balanced lances to support the ROV's characteristics.



CaviBlaster® 2040-ROV (20gpm/4000psi) is the workhorse of ROV cleaning systems for work class ROV's. A powerhouse hydraulically driven submersible cleaning compatible with a wide range of ROV's. Available with full forward thrust lances or balanced lances to support the ROV's characteristics.



CaviBlaster® 1331-ROV (13gpm/3100psi) utilizes Dynaflex® pump technology for superior operation for work-class ROV's.