

FlexiClean marine fouling remover

Ultra-fast and effective tool for clearing marine growth



FlexiClean is an innovative, patent-applied-for ROV-deployed cleaning tool for removing marine growth and debris on underwater structures and equipment. It has proved extremely effective on sensitive surfaces such as flexible risers with its ability to clean without damaging the riser's outer sheath. FlexiClean works at any depth and is vastly more effective at cleaning than using high pressure water or small-diameter nylon or metallic bristles. Its unique design provides lengthy operation with no loss of performance from clogged cleaning elements, and its tough, flexible elastomeric material resists entanglement. FlexiClean's massive bristles have much greater flexibility and the mass of each large bristle adds to the cleaning action.



A recent project clearly demonstrated the superiority of FlexiClean over high-pressure water in the cleaning of heavy marine growth on a fouled flexible riser. Twenty-four hours of high-pressure

Features:

- Can clean practically anything:
 - Mooring chains and wires
 - Risers
 - Vessel hulls
 - Subsea construction, etc.

- Far more effective than a high-pressure water jet; cleaning time is reduced up to 90%

- Hydraulic motor interfaces directly with the ROV

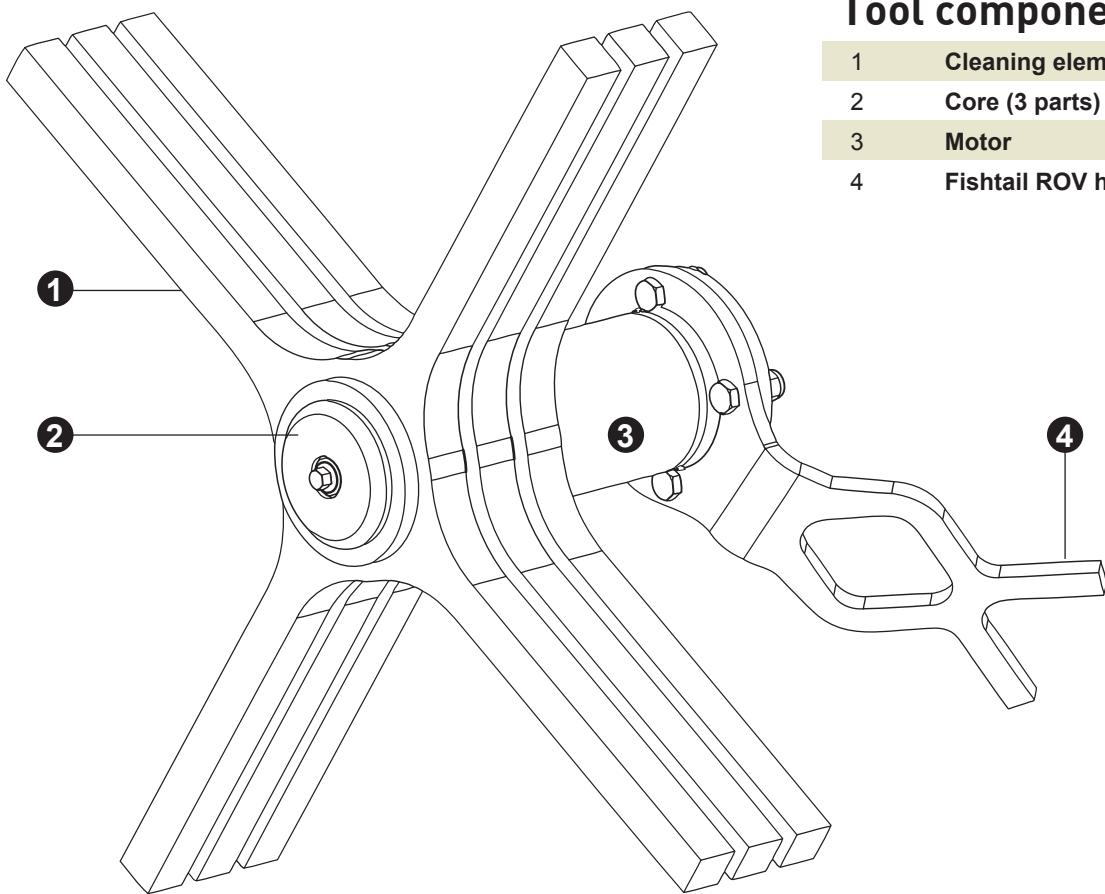
- Negligible wear on cleaning heads in typical marine growth situations

- Flexible cleaning heads prevent damage to polymeric outer layers of flexible risers

water jetting had been scheduled but was stopped when no progress had been made after three hours. The FlexiClean tool was deployed and completed the task in just over an hour. Cleaning revealed some light polyester rope that was used during installation, still wrapped around the riser and covered with gaffer/duct tape. Video inspection of the area showed that although the riser and tape was fully cleaned, no damage could be seen on the tape. This is shown on the FlexiClean video at <http://stoprust.com/products-and-services/flexiclean/>

ROV time is expensive, and a significant decrease in cleaning time means that FlexiClean could pay for itself in just a few days or hours.

FlexiClean 342525



Tool components

- 1 Cleaning element
- 2 Core (3 parts)
- 3 Motor
- 4 Fishtail ROV handle

Operation

Flow rate requirements:

Min. 15 liters per minute flow,
max. continuous 60 L/min
@140 bar pressure drop

Suggested starting speed:

40 L/min, (around 450 RPM)

Motor:

Variable speed, reversible
(default is clockwise)

Depth rating:

3000M

Size and weight

Assembled weight 16 kilos (35 lbs)

Case weight 14 kilos (31 lbs)

Combined weight 30 kilos (66 lbs)

Carrying case

External dimensions (approx.)

Width 571mm (22.5")

Depth 569mm (22.4")

Height 540mm (21.25")

Kit items

- Cleaning element mounting drum
- Hydraulic motor
- Mounting frame for motor
- Three Flexi-Clean elements (plus two spares)
- ROV fishtail
- Assembly hardware
- Carrying case supplied

Note: Specifications subject to change without notice