

DISPERSANT SPRAYING ARMS SYSTEM WITH MULTIPLE NOZZLES

YMC-105/ScorSpray Arms (NEW NAVAL)



GENERAL DESCRIPTION

The YMC-105/ScorSpray Arms system is a portable dispersant application system that utilizes spray arms to deploy dispersant from multiple nozzles in a systematic, swath approach. The adaptable system is designed to be installed on a variety of vessels, including vessels of opportunity.

The system deploys concentrated chemical (neat) or diluted dispersants at a maximum output of 150l/min, depending on the needs of the operation at hand. A portable, diesel-driven pump controls the application rate of the system.

MAIN COMPONENTS

The system is comprised of two aluminum arms that are easily assembled and can be outfitted on a vessel or work platform.

Each arm is equipped with four nozzles, installed onto drop pipes, that deploy the dispersant in a swath spray pattern. The effective spraying swath of one arm is 5.2m with an effective spray pattern of the two arms is greater than 10m in width.

The system consists of a diesel engine, a diaphragmatic pump, eductor set, spraying arms with nozzles and a hose set. The air-cooled, Yanmar diesel engine employs a recoil starter. An eductor is fitted on the pump discharge for the dilution of concentrate dispersant when desired, with a dispersant to seawater dilution rate up to 25%.

KEY CHARACTERISTICS

The system produces a designated output of 130 lit/min.

Neat and diluted spray options with dilution flow meter.

Dual, aluminum spray arms contain 4 nozzles each creating a uniform dispersant swath.

The hose set consists of:

- Storage box:
L: 125 x W: 127 x H: 103cm Footprint: 3.24m²
- Two (2) hoses of 10 meters in length for the dispersant output from the pump to the spray arms,
- One (1) hose of 3 meters in length for dispersant input with drum tubing and line filter,
- One (1) hose of 10 meters in length and 10" diameter for sea water input, with suction filter.

All hoses are equipped with quick couplings for fast and easy connection.



TECHNICAL SPECIFICATIONS SPRAY ARMS

LENGTH	4500MM
SPRAYING SWATH WIDTHPER ARM	5200MM
HEIGHT (ADJUSTABLE)	UP TO 740 MM
WIDTH	230MM
WEIGHT (PER ARM)	21KG
NOZZLES (PER ARM)	4

TECHNICAL SPECIFICATIONS SPRAY PUMP UNITS

BRAND	COMET
MODEL	BP 135
TYPE	DIAPHRAGMATIC PUMP
DRIVE UNIT	YANMAR L48 AIR-COOLED ENGINE
FUEL	DIESEL
POWER	4.7HP
LENGTH	1100MM
WIDTH	710MM
HEIGHT	670MM
WEIGHT	115KG
FLOW (MAX.)	132L/MIN
PUMP SPEED (MAX.)	550RPM

STORAGE & TRANSPORT

The complete dispersant system is supplied in a stainless steel storage box for easy handling, transport, storage and long-lasting protection of the system.

The storage box can be loaded inside a 10' or 20' ISO container.
The storage box measurements are:

- 2.40m (L) x 0.90m (W) x 1.30m (H)
- Weight of the container with the system: 400kg

OPERATIONS

The system is delivered packaged. The unpacking of the system from the box and the installation on-board the vessel requires approximately 30 minutes.

Handling and installation of the system onto a vessel requires two (2) persons.

One (1) person is required to operate the system.

