

MICROPLASTIC COLLECTION DEVICE

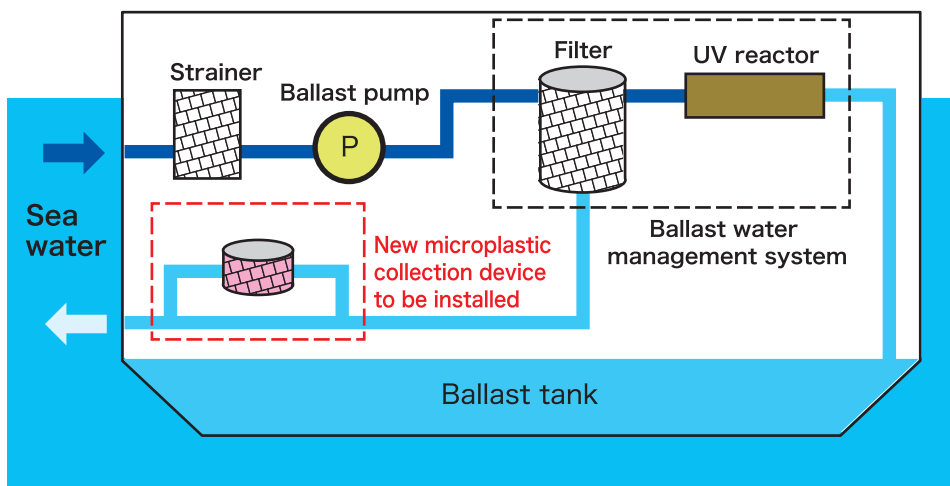
MIURA has developed a microplastic collection device for its marine environmental conservation activities.

Product Features

- This device collects microplastic contained in the backwash discharge line of the ballast water management system.
- This device is installed in a line that bypasses a part of the backwash discharge line, and therefore, there is no effect on the ballast water management system.
- It can be installed on both new ships and retrofits for ships already in service.
- There is no effect on fuel economy.
- The collection work is extremely simple.

Overview of the Device

The backwash discharge line of the ballast water management system is branched and a strainer is installed to collect microplastic (MP) together with dirt in discharged water.



■ Collected microplastic

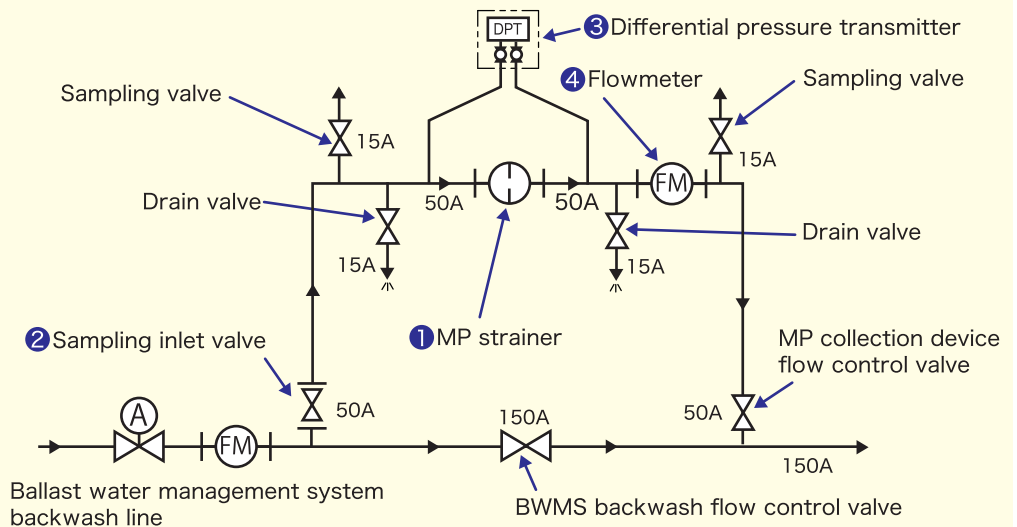


Piping Diagram

Capacity: Normal 10m³/h
(24m³/h max.)

Components:

- ① MP strainer
- ② Sampling inlet valve
- ③ Differential pressure transmitter
- ④ Flowmeter



Main Components

MP strainer



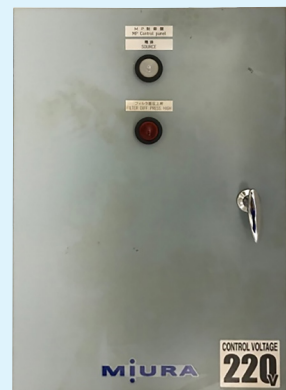
Differential pressure transmitter



Flowmeter



Control panel



MIURA CO.,LTD.

Ship Machinery Headquarters

TEL : (+81) 89 979 7060 FAX : (+81) 89 979 7082
7 Horie, Matsuyama, Ehime, 799-2696, Japan
URL <https://www.miuraz.co.jp>



Scan the QR code for further information about our service network.

ISO 9001 ISO 14001

Quality assurance system for boiler and water treatment systems and on-line maintenance service

Our head office and Hojo factory are sites with a registered environmental management system.



MIURA is a member of the Fun to Share campaign.

CAUTION

In order to use the product safely, be cautious of safety and always read the "Operation Manual" before use.

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Updated in July 2022 PE010-01 BU
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