

# InnTech

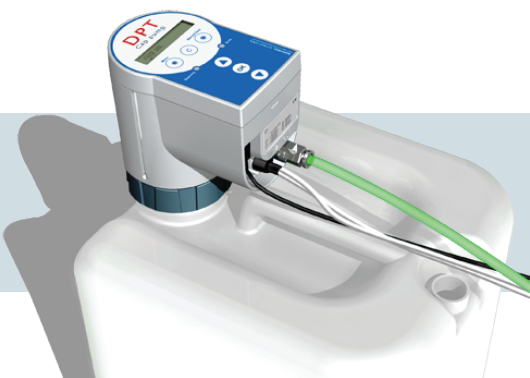
Home of

— INTELLIGENCE —  
Cap Pumps



## MARINE DOSING UNIT

The function of the cap pump maintains cleanliness and reduces maintenance costs for piping, tanks and other ancillary pipe equipment. The cap pump uses a microprocessor controller to automatically and economically function with maximum efficiency. It regulates the exact chemical cleaning dosage that is fed into the integrated systems.



The unique construction and built-in features of the DPT-BC CAP PUMP provide intelligent, carefree and economical cleaning solutions for various applications.

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### Direct Advantages

- ◆ Optimized chemical usage
- ◆ Reduced system repair and spare part costs
- ◆ Better functioning of toilets
- ◆ Savings in manpower needs
- ◆ Reduced malodor
- ◆ Enhanced chemical safety
- ◆ Environmental Efficiency

### Indirect Advantages

- ◆ Optimized cabin occupancy
- ◆ Less problems with toilet units
- ◆ Less visible repair work in public areas
- ◆ Improved passenger comfort
- ◆ Better overall company image
- ◆ Carefree solution
- ◆ Independency from chemical brands

*” Simple Solution, Immediate advantage, Direct cost reduction ”*

## Experiencing blockage in a vacuum pipeline?

The Marine Dosing Unit helps to keep pipelines clean and blockage free. Marine Dosing Unit doses just the right amount of chemical into pipelines to remove grease and other blockages easily and in a controlled manner.



*Starting situation*

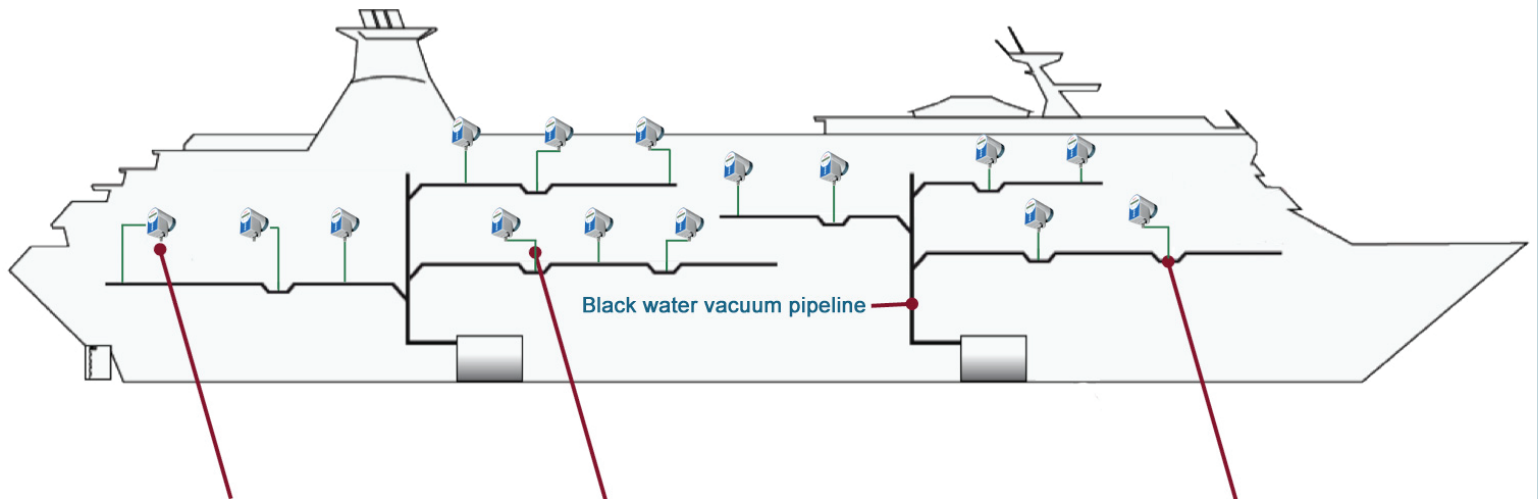


*After 3 days*



*After 14 days*

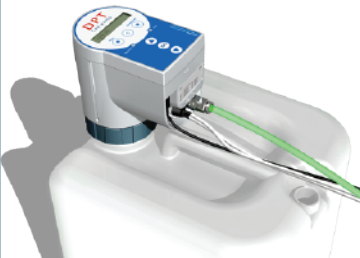
# SOLUTION FOR VACUUM PIPELINE



## Dosing Unit

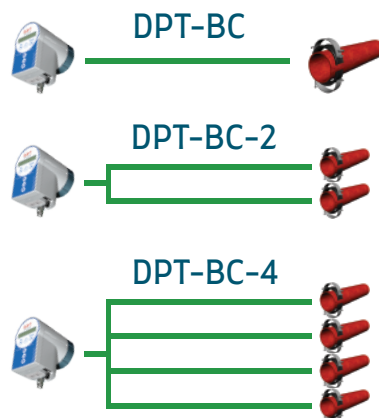
Place the Dosing Unit(s) in service area/cabin service space.

Dosing Unit can contain 1, 2 or 4 outlets.



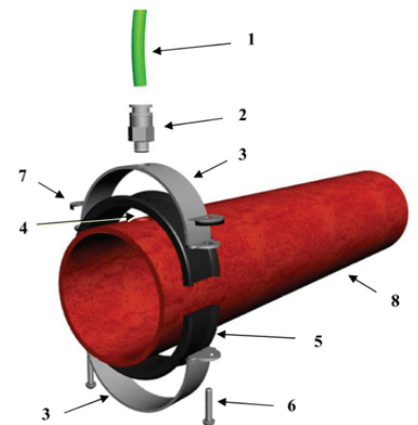
## Dosing tube

Dosing Unit can locate up to 100 meters from dosing point.



Dosing tube up to 100m

## Dosing point



- |                       |                |
|-----------------------|----------------|
| 1. Chemical tube      | 5. Gasget      |
| 2. Pipe connector     | 6. Screw       |
| 3. Pipe collar        | 7. Nut         |
| 4. Input hole in pipe | 8. Vacuum pipe |

## Marine Dosing Unit includes

- ◆ DPT-BC Pump (1, 2 or 4 outlets/dosing points)
- ◆ Adapter for 5/10 liter container
- ◆ External power supply unit 230 VAC / 24VDC
- ◆ Suction tube 0.5 m
- ◆ Feed tube 5 m
- ◆ Pipe connector 1.5"
- ◆ Installation and operating manual

## Easy, Automated and Economical

Easy to place in existing service areas/cabin service space due to its compact size. Mounting directly on a 5-25 L canister or 200 L barrel.



## TECHNICAL SPECIFICATIONS FOR DPT SERIES

- ◆ Suitable for use with: acids, alkali, bacteria etc.
- ◆ Mounted directly in the place of the original container cap
- ◆ Completely integrated unit with a pump, electronics, and a control panel
- ◆ Microprocessor controlled
- ◆ Real-time clock for accurate timing options
- ◆ User-programmable settings with time-based feeding and selected volume
- ◆ Motoring of chemical quantity: level sensor or volume of fed chemical
- ◆ Pump characteristics:
  - pump type: peristaltic
  - external feeding tube: max length 100 m, max rise 25 m
- ◆ Capacity:
  - DPT-BC: 60-350 ml
  - DPT-BC-2: 20 ml / channel
  - DPT-BC-4: 20 ml / channel
- ◆ Power supply input 24V dc / 0.2 ... 0.3 A
- ◆ Protection class: IP 44
- ◆ Temperature range (operation/storage): 0 ... +55C / -20 ... +65C
- ◆ Physical dimensions without container tube/sensor accessory
  - DPT-BC, DPT-BC-2: 135 x 82 x 133 mm
  - DPT-BC-4: 135 x 82 x 215 mm
- ◆ Weight approx. 1 kg
- ◆ Control panel for parameter settings and other operation controls:
  - 2 x 16 character LCD display with backlight
  - 2 LED lamps, 6 pushbuttons
- ◆ User-friendly menus for scrolling and setting feeding times and other feedback
- ◆ Selectable parameters:
  - Time-based feed: 12 feeds with the amount between 1 - 9999 ml
  - Auto feed: with the amount of 1 - 9999 ml repeated every 1 min - 23 h 59 min

Mounting directly on a 5-25L container or a 200L barrel.

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InnTech is an innovative Finnish high-technology designer and manufacturer of automated dispensers, dosing pumps, peristaltic pumps and associated components for various applications.

**InnTech**

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