

# CO<sub>2</sub> transfer unit

## 103D series

For liquid CO<sub>2</sub> transfer from cold converter tanks



### Description

The 103/D series units are designed to transfer liquid CO<sub>2</sub> from cryogenic tanks to fire extinguishers, cylinders or other containers. The unit consists of a transfer pump installed on a steel support, an electric motor, belts and pulleys drive. Different pump models are available, with standard or variable flow-rate. The 103/D unit is available with a single flow-rate, between 300 and 800 Kg/h, according to customers' specifications. The double-speed engine of 103/DT model provides a dual flow-rate, from a minimum of 300/600 Kg/h to a maximum of 400/800 Kg/h. The variable frequency speed drive of 103/DTH model provides an adjustable flow-rate ranging from 300 Kg/h to 800 Kg/h.

### TECHNICAL SPECIFICATIONS

| MODEL                          | 103D 3-PHASE  | 103DT 3-PHASE     | 103DTH 3-PHASE   |
|--------------------------------|---------------|-------------------|------------------|
| CATALOGUE CODE                 | MCSE005       | MCSE010           | MCSE015          |
| FLOW-RATE (kg/h)               | 300-800 fixed | 300/600 ÷ 400/800 | 300-800 variable |
| MAXIMUM WORKING PRESSURE (bar) | 100           | 100               | 100              |
| VOLTAGE / FREQUENCY (VAC/Hz)   | 400/50        | 400/50            | 400/50           |
| POWER (kW) (max)               | 4             | 3 / 4,5           | 4                |
| DIMENSIONS (LxIxH) (mm)        | 1300x630x520  | 1300x630x520      | 1300x630x520     |
| WEIGHT (kg)                    | 110 approx.   | 130 approx.       | 110 approx.      |

(Models for different voltages and frequencies are available on demand).

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Perfectly integrated into Vanzetti stations, the 103D model is a cost-effective solution allowing reduced operational costs. The unit allows a fast start-up up to a steady state. Ordinary maintenance can be achieved quickly with no need to employ skilled staff.

## Components and devices

- > Stainless steel platform
- > Displacement pump with:
  - brass head
  - stainless steel suction and outlet valves
  - ceramic pistons
- > Belts and pulleys drive
- > Pulley drive protection
- > IP55 electric motor

## Standard equipment:

- > User manual
- > Suction flexible hose, DN 16 AISI316, 300 mm long
- > Outlet hose, PTFE braided made of stainless steel AISI304, DN10, 500 mm long



> PER MAGGIORI INFORMAZIONI:  
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