

CO₂ transfer unit

103D series

For liquid CO₂ transfer from cold converter tanks



Description

The 103/D series units are designed to transfer liquid CO₂ 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 DAMOTEK filling 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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