

Automated filling station for liquid CO₂

FCD222 series

Automatically controlled filling system
assuring user-friendly and
cost-effective operations



The FCD222 unit allows to fill CO₂ cylinders and fire-extinguishers by transferring liquid CO₂ from a cryogenic tank.

The pneumatically activated shut-off valves are controlled automatically on the basis of the information provided by the electronic scales.

Optionally, the CO₂ bundles can also be filled (using an appropriate control scale available on request).

An optional outlet for gaseous CO₂ can be provided in order to send CO₂ to the filling station for mixtures (Ar/ CO₂ etc.)

The CO₂ filling stations equipped with the FCD222 allow a single operator to fill cylinders, setting the quantity of the product to be introduced.

The filling process stops automatically when the required weight has been reached.

FCD222 must be connected to a transfer pump with single or double flow rate, see our model 103/D and 103/DT.

TECHNICAL SPECIFICATIONS

MODEL	FCD222B	FCD222A
CATALOGUE CODE	MCSE030	MCSE030-1
CYLINDERS / EXTINGUISHERS FILLING OUTLETS	2	1
MAXIMUM WORKING PRESSURE (bar)	100	100
VOLTAGE / FREQUENCY (VAC/Hz)	400/50	400/50
POWER (kW)	1,5	1,5
OVERALL DIMENSIONS (LxIxh) (mm)	600x600x2000	600x600x2000
WEIGHT (kg)	70	70

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COMPONENTS AND DEVICES:

- > Manifold in brass alloy
- > Safety valves on the inlet and back to tank lines
- > Pressure gauge for checking the filling pressure
- > Pressure switch for max service pressure stop
- > Pneumatically activated shut-off valves
- > Control solenoid valves
- > Electrical panel with low tension control lights and push buttons

STANDARD FITTINGS:

- > Painted steel support predisposed to be fixed on the floor
- > PTFE filling hoses, AISI 304 stainless steel braided, 1400 mm – length
- > Stainless steel cylinder filling connections with handgrip
- > Operating and maintenance manual

ACCESSORIES AVAILABLE ON REQUEST:

- > Automatically controlled filling outlet for bundles
- > Control scales for single cylinders or bundles filling, BE series.
- > Arrangement of the electrical panel to be interfaced with the electrical heater model RE for preparing mixtures in the gas filling station
- > Pt100 for checking the temperature for controlling pump cooling
- > Electrical panel with built-in a pump power supply for single or dual flow or with a flow-rate variator series QE
- > Steel structure for floor installation (avoiding civil works) to install the control scales at floor level, SSW-1 or SSW-2 series.

> PER MAGGIORI INFORMAZIONI:
> FOR FURTHER INFORMATION CONTACT:
> POUR INFORMATIONS CONTACTER:

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