

Automatically controlled liquid CO₂ filling station

'FCD222' series

EASY-TO-USE, ECONOMICAL OPERATION AND PRODUCT QUALITY ARE GUARANTEED BY THE AUTOMATIC FILLING SYSTEM



FCD222 unit make it possible to fill CO₂ cylinders and fire extinguishers 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 checking scales.

As an option CO₂ bundles can also be filled (using a third appropriate scale), as well as an optional outlet for gaseous CO₂ to be sent to refilling stations for CO₂ mixtures in cylinders.

Filling stations comprising FCD222 units allow a single operator to fill cylinders, setting the quantity of the product to be introduced into the cylinders, which causes filling to stop automatically when the required weight is reached.

TECHNICAL FEATURES:

Model	FCD222B	FCD222A
Catalogue Code	MCSE030	MCSE030-1
Cylinders or extinguishers filling outlet	2	1
Maximum operating pressure (bar)	100	100
Voltage / Frequency (VAC/Hz)	400/50	400/50
Overall dimensions (lxwxh) (mm)	600x600x2000	600x600x2000
Weight (kg)	70	70

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COMPONENTS AND DEVICES:

- > Manifold in brass alloy
- > Safety valve on the inlet and back to tank lines
- > Pressure gauge for checking the filling pressure
- > Maximum pressure switch
- > Pneumatically activated filling shut-off and bypass valves
- > Control solenoid valves
- > 24 V electrical panel with control lights and pushbuttons

STANDARD FITTINGS:

- > Painted steel support prepared for fixing on the floor
- > Operating and maintenance manual

ACCESSORIES AVAILABLE UPON REQUEST:

- > PTFE filling hoses with AISI 304 stainless steel braid 1400 mm – length
- > Stainless steel cylinder filling connections with handgrip
- > Knurled OT58 cylinder connections
- > Automatically controlled bundle filling station
- > Provision in the electrical panel for interfacing with the RE model heater for preparing mixtures
- > Pt100 for checking the temperature for controlling pump cooling
- > Electrical panel with built-in pump power supply for single or dual speed (flow) control, or with a flow rate variator

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Easy, safe, modular

NOTE: same station can be predisposed for filling N2O or similar liquefied or refrigerant gases.

