

MATIC FILL ELECTRONIC



Full-automatic equipment for BC or ABC powder extinguishers dust-free filling (portable extinguisher from 1 up to 12 kg). It also enables to fill wheeled extinguishers through an auxiliary mechanic scale.

Filling process is controlled by an electronic scale, which is a part of the filling head, to obtain a very accurate weight.

Filling head and tank unit must be considered as a close system: therefore no dust is produced when the both extinguisher filling and powder tank-stocking operations are performed.

Self cleaning filter system (backwashing) allows a continuous work with a very slight maintenance.

The whole work process is supervised by a PLC program.

Equipment is carried out to enable the Customer to perform an autonomous work for a long time.

MATIC FILL MAIN PARTS

a) Stout steel base equipped with following parts:

- Electropneumatic cabinet provided with vacuum and pressure control instruments, piececounters and switches for a loading operations handling
- Electronic precision scales (+30 g) provided with digital weight setting and automatic reset
- Doser inox head, pneumatically controlled and adjustable in height, fitted on a chromed steel rack and equipped with a powder recovery device
- Work top, cylinder driven and adjustable in depth.

b) Steel cabinet painted with epoxy powders, provided with:

- Non-polluting oil bath vacuum pump complete with protective pre-filters and absolute filters
- Automatic counter-current air filter cleaning device
- Solenoid control valves.

c) No 01 or 02 tanks (3,000 l – 2,500 kg capacity ea.), provided with:

- Frame and freight-detachable legs
- Shock absorbers fitted on frame
- High/low level electronic sensors
- Electric vibrators for a constant powder flow down
- Wheeled extinguishers filling ramp

d) No 01 or 02 powder recovery hoppers, tank-placed and equipped with prefilters, vacuum valves, filters cleaning pneumatic valves and pneumatic vibrators.

e) Stair and footwalk (for both safety inspection and maintenance of the tank inner filters)

MATIC FILL ELECTRONIC TECHNICAL CHARACTERISTICS

- | | |
|------------------------------------|---|
| • Wiring supply | : 380 V 50 Hz. three-phase |
| • Installed power | : 5 or 10 kW (one or two vacuum pumps) |
| • Compressed air feed | : 6 bar |
| • Control circuit | : 24V, 50 hz, PLC Siemens equipped |
| • Vacuum pump capacity/level | : 160 m ³ /h – 1mbar (each pump) |
| • Electronic scale | : Precision + - 30 g |
| • Pump Cabinet Dimensions/Weight | : 1,400x650 mm-h1,450 mm/250 kg |
| • Matic Dimensions/Weight | : 1,300x800 mm-h2,000 mm/300 kg |
| • Filling speed/hour (theoretical) | : 160 extinguishers of 6 kg |
| • Colour | : RAL 7032 |

STORAGE TANK TECHNICAL CHARACTERISTICS

- | | |
|-------------------------------|---------------------------------------|
| • Wiring supply | : 380 V 50 Hz. 3-phase |
| • Power installed | : 1 or 2 kW |
| • Electromechanical vibrator | : adjustable mass |
| • High-low level control | : electronic sensors |
| • Capacity each tank | : 2,500 kg – 3,000 l |
| • Tank wall thickness | : 5 mm |
| • Dimensions/Weight each tank | : 2,100x2,100 mm
h. 6,500/2,300 kg |
| • Colour | : RAL 7032 |