

GEMINI



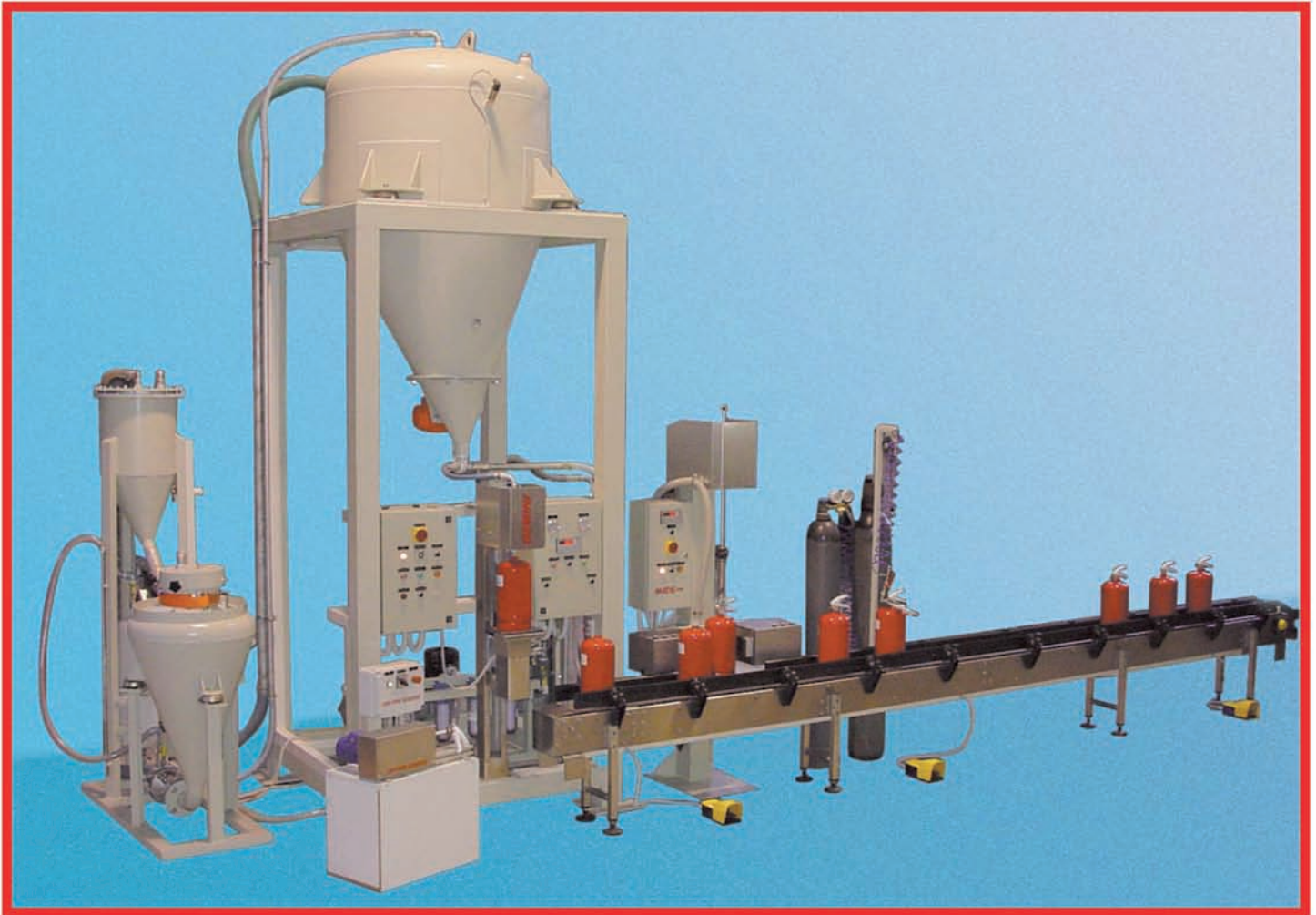
Semi-automatic equipment for powder extinguishers dust-free filling. It also enables to fill wheeled extinguishers through an auxiliary mechanic scale.

- Filling process is controlled by an electronic scale, which is a part of the filling head, in order to obtain a very accurate draft.
- Both 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.
- Equipment is carried out to enable the Customer to perform an autonomous work for a long time.
- This user-friendly equipment requires no operating/ installing Customer instruction, because it is delivered completely assembled, ready for the start up and user's manuals equipped.

GEMINI MAIN PARTS

- One steel tank (1,500 l/1,000 kg capacity)
- Vibrators, in order to ensure a constant powder flow from the tank
- Tank high-level sensor
- Electropneumatic control panel, according to EC norms
- Non-polluting oil bath vacuum pump complete with both prefilters and absolute filters
- Filling head with powder interception pneumatic plug
- Loading pan pneumatic handling, equipped with proper safety devices
- Hopper for both a storage tank quick loading (by 1,000 kg standard big-bags or small sacks) and a powder recovering from the filling head
- Electronic scale (our type DIGIT SCALE), provided with tare zeroing and equipped with proper presetting digital devices to stop loading when the product required weight is reached
- Filter automatic-cleaner device, air counter-current type
- PLC and SW engineering





STANDARD AUXILIARY EQUIPMENTS

- Loading ramp for wheeled extinguishers filling
- Shutter for extinguishers mouth with dia. from 30 mm up to 70 mm

TECHNICAL CHARACTERISTICS

- Power installed : 1,5 kW
- Wiring supply : 380V 50 Hz three-phase
- Control circuit voltage : 24V 50 Hz according to EC norms
- Vacuum pump capacity : 100 m3/hour
- Compressed air supply : 6 bar
- Tank Dimension/Weight : 1,700X1,800 mm – ht 4,300mm
1,000kg
- Hopper Dimension/Weight : 1,400X600 mm – ht 2,300mm
- Filling speed (pieces/h) (theoretical) : 160 extinguishers of 1 kg
: 140 extinguishers of 6 kg
: 90 extinguishers of 12 kg
- Colour : RAL 7032

OPTIONALS

- Special sized shutter
- Mechanical scale for wheeled extinguishers
- Big-bags emptying system (fitted under the storage hoppers)





GEMINI LINE

Tank high 4,3 meter
Conveyor lenght 6mt
Requested space abt 15 m²

- Operated by 2 workers
- 1 for fill and valve insert
 - 1 for screwing and pressurize



BIG BAG EMPTYING/TANK FILL



FILL HEAD



PLACE EXTINGUISHER



START AUTOMATIC FILL PROCESS





FILLING



VALVE INSERT



PROCEED TO SCREWING



SCREWING



PRESSURIZING