



SIERRA 5

= Fire Systems =



SIERRA 5

The Lineup is **SET**



**SET Basic
"Mobile"**



SET Basic



SET III



SET V

The SET Basic is the affordable entry-level model. This system is a semi-automated extraction and refilling system for powder extinguishers up to 25 lb capacity. Allowing you to reuse your dry powder while also providing you with financial and safety benefits.

- Easiest handling
- Powerful, quiet side channel blower
- Ergonomic handpiece with shelf
- 3 self-cleaning filter cartridges
- Simple construction and quick installation
- Incl. vacuum gauge and filter cleaning flap

Technical Specification:
Weight [lb]: 155
Dim. (H/W/D) [in]:
57-73 / 24 / 28.5
Engine output: 1.1 kW /
110/120 V / 60 Hz
Vacuum [mbar]: -300
Noise level [dB]: 73 @ 3 ft
distance

SET Basic



The SET Basic "Mobile" is the affordable entry-level model for vehicle installation. This system is a semi-automated extraction and refilling system for powder extinguishers up to 25 lb capacity. Allowing you to reuse your dry powder while also providing you with financial and safety benefits.

- Easiest handling
- Powerful, quiet side channel compressor
- Ergonomic handpiece with tray
- 3 filter cartridges
- Simple construction and quick installation
- Incl. vacuum gauge and filter cleaning flap

Technical Specification:

Weight [lb]: 155

Dim. (H/W/D) [in]:

43.5 / 40-65 / 18

Engine output: 1.1 kW /

110/120 V / 60 Hz

Vacuum [mbar]: -300

Noise level [dB]: 73 @ 3 ft
distance

SET Basic "Mobile"



SIERRA 5

The SET III is the most compact unit with a special sliding device making the unit particularly suitable for setting up vehicles with low overall height. This system is a semi-automated extraction and refilling system for powder extinguishers up to 25 lb capacity. Allowing you to reuse your dry powder while also providing you with financial and safety benefits.

- Fully automatic**
- Incl. 3 thread adapters**
- Powerful motor head**
- 7 self-cleaning filter cartridges**
- Incl. vacuum meter and filter cleaning flap**
- Rollable (depending on model)**

Technical Specification:

Weight with trolley [lb]:

145

Dim. (H/W/D) [in]: 67-79/22/26

Engine output: 1.2 kW /
110/120 V / 60 Hz, 10.1 A

Intake air (L/min): 3,600

Vacuum [mbar]: -2,200

Noise level [dB]: 78 @ 3 ft
distance

SET III



SIERRA 5

The SET V system is a semi-automated extraction and refilling system for extinguishing powder, for Firetruck tanks, ships, and large containers. Allowing you to reuse your dry powder while also providing you with financial and safety benefits.

Unit incl. 7 special filters with air-shock self-cleaning system, vacuum display and adapter-system (for dust-free connection to the silo container and Fire Truck), support rack and trolley with side channel blower.

Stainless steel suction lance 5 ft x 1.5 in, 23 ft vacuum-hose 1.5 in with quick-connection from side channel blower to filter unit. 23 ft suction hose 1.5 in with quick-connection from silo container to filter unit or to the suction lance for manual extraction.

Silo container stainless steel 827 lb capacity, tripod, incl. shut-off and flushing unit for automated filling of the Fire Truck powder tank, coupling system incl. adapter flange. (please specify the Truck powder tank type).

Technical Specification:

FILTER UNIT:

Dim. (H/Ø) [in]: 31.5 / 15.8

Weight [lb]: 53

TROLLEY incl. VACUUM:

Dim. (H/W/D) [in]: 58 / 25 / 50

Weight [lb]: 177

Noise level [dB]: 72

Engine power: 4.6Kw / 230-290V Delta/
14.2A / 60Hz

Vacuum [mbar]: -330

Airflow [m³/h]: 376

SILO TANK:

Capacity [lb]: approx. 827 DCP

Dim. (H/Ø) [in]: 51.2 / 31.5

Weight [lb]: 122

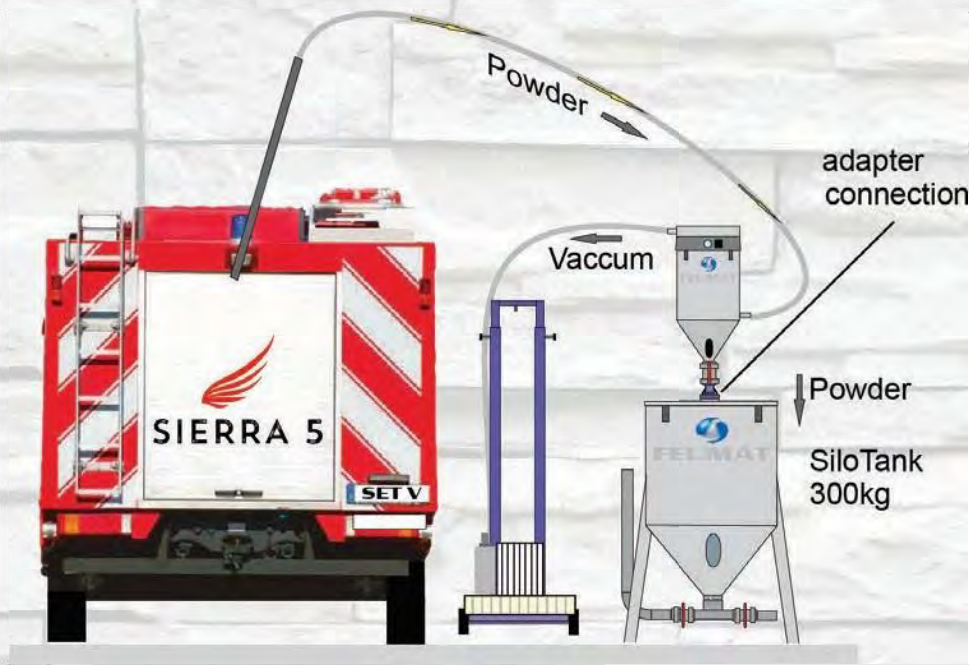
SET V



SIERRA 5

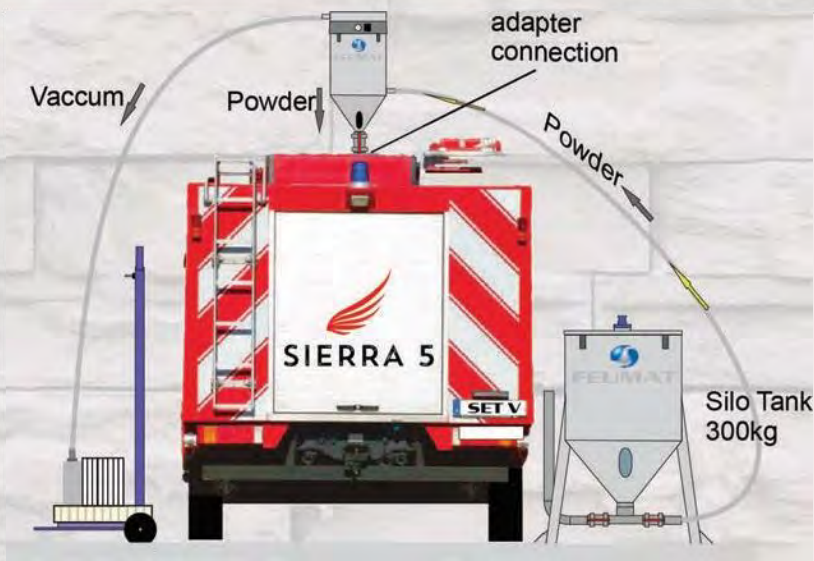
SET V

Dry Chemical Fill & Recovery System



Step 1: Powder Extraction from Fire Truck

- With the dust-proof coupling system, the filter unit is connected to the head of the silo container.
- Following, the powder is removed from the truck tank into the silo container by a solid stainless steel suction lance. The transfer process itself is almost dust-free (only the suction lance working area is open)



Step 2: Powder Refilling to the Fire Truck

- After emptying the tank, an adapter plate is mounted to the flange at its filler opening
- Now, the filter unit can be connected onto the adapter plate flange and is dust-proof coupled.
- Following, the suction hose is reconnected from the stainless steel suction lance to the special nozzle at the bottom part of the silo container (dust-free adapter system).
- The powder is reintroduced into the truck autonomously, fully automated and dust-free from vacuum power. This is made possible by a specifically designed venting nozzle. It needs no additional manpower (no more suction lance operation).
- Finally, all of the powder is restored and recycled to the truck tank, being loosened without lumps.

