

Automatic Dry Powder

PD Matic Models

شركة المصنع السعودي لأجهزة الإطفاء
SAUDI FACTORY FOR FIRE EQUIPMENT Co.



SFFECO Automatic Dry Powder Extinguishing Installation Type PD-Matic is a newly developed design, where in the Dry Powder is automatically ejected through the sprinkler head, after release of the thermo safety device on reaching a temperature of 68°C.

For total flooding volume application, use .0385 lbs./cu. ft. (0.616kg/cu. m.) to determine dry chemical required and .00125 lbs./sec./cu.ft. (0.0205 kg/sec./cu. m.) to determine minimum flow rate.

Class of Fire



A Solid matters forming glowing residues. e.g. wood, rubber (car tires), paper, textiles.



B Liquid combustible matter e.g. petrol, oils, grease, ether, alcohol.



C Burning gases emerging under pressure. e.g. propane, butane, methane, acetylene, town gas.



Fires on electrical plants.

| Model | PD4.5 MATIC | PD6 MATIC | PD10 MATIC | PD12 MATIC | PD15 MATIC | PD20 MATIC | PD25 MATIC | PD30 MATIC |
|-----------------------------|--------------------------------|-----------|------------|------------|------------|------------|------------|------------|
| Capacity | 4.5 Kg | 6 Kg | 10 Kg | 12 Kg | 15 Kg | 20 Kg | 25 Kg | 30 Kg |
| Total Weight | 10.56 Kg | 12.06 Kg | 19 Kg | 22.92 Kg | 26 Kg | 34 Kg | 41 Kg | 47 Kg |
| Total Height (mm) | 400 | 400 | 460 | 485 | 525 | 470 | 470 | 595 |
| Cylinder Height (mm) | 162 | 162 | 280 | 305 | 325 | 320 | 320 | 410 |
| Cylinder Diameter (mm) | 280 | 280 | 280 | 280 | 280 | 280 | 360 | 360 |
| Duration of Discharge (Sec) | 10-12 | 14-16 | 16-18 | 18-22 | 22-26 | 26-31 | 30-35 | 35-40 |
| Extinguishing Agent | Dry Chemical | | | | | | | |
| Propelling Agent | N ₂ /Dry Air | | | | | | | |
| Working Pressure | 12-15 Bar | | | | | | | |
| Testing Pressure | 30 Bar | | | | | | | |
| Coating | Electrostatic Polyester Powder | | | | | | | |
| Storage Temperature | -20°C to +60°C | | | | | | | |

8 In line with our policy of continuous product improvement, SFFECO reserves the right to modify specifications without prior notice.