

RM15

Turret for Stationary Extinguishing Systems



Description

The RM15 is a compact, electronically-controlled turret for the protection of storage areas, waste bunkers, aircraft hangars, helidecks etc. The RM15 can be used with water, foam or powder or as a combined foam-powder turret (ChemCore).

Advantages

High flow rates

- Up to 2,000 l/min (at 10 bar) water or water-foam mixture (530 gpm at 145 psi)
- Up to 20 kg/s (at 10 bar) powder (44 lbs/s 145 psi)
- 1,900 l/min at 10 bar (500 gpm at 145 psi) water and 1.5 kg/s (3 lbs/s) powder with the ChemCore nozzle

Suitable for different extinguishing agents

- Water
- CAFS (compressed air foam)
- foam (with / without foam barrel)
- powder
- Water & powder combined (ChemCore)

Great throw ranges

- > 65 m (213 ft) at an angle of 30°
- Up to 57 m (187 ft) at an angle of 3° (mounting height 15 m / 50 ft)

Compact Design

- The small width of only 250 mm (9") and the length of 640 mm (25") make the turret ideal for small mounting locations

Turret operation

- Automatic operation via infrared system
- Manual operation: simple & intuitive
 - Portable joystick remote control for the operation of up to 8 turrets
 - Tablet operation: the turret functions are controlled via a tablet PC with user-friendly interface

Automatic activation

- Through the combination with an infrared temperature surveillance system the turret can be automatically directed to the hotspot and extinguish precisely

Oscillation

- The turret moves in a rectangle and thereby enables fully-automatic extinguishing covering a large area (size and location of the rectangle can be individually defined)

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Technical Data

Drive	electric motors (12 V / 24V)
Material	corrosion resistant light alloy, RAL 7016 (anthracite grey) varnish
Rotation Range	manual operation: max. 360° automatic mode: max. 340°
Swivel Range	max. -45° to +90° (without design cover, mounting standing) max. -90° to +45° (without design cover, mounting hanging)
Connection	flange DN50, vertical
Nozzles	HSD2000: o-stream nozzle, max. output 2,000 l/min at 10 bar at the turret flange (530 gpm at 145 psi) HSD300: o-stream nozzle, output 300 l/min at 5 bar at the turret flange (80 gpm at 70 psi)
Nozzle Adjustment	electric adjustment for full/spray jet (4 steps)
Powder Nozzle	optional, max. output 20 kg/s (44 lbs/s 145 psi)
ChemCore Nozzle	optional, combined water-powder o-stream nozzle, max. 1,900 l/min water (10 bar) 1.5 kg/s (3 lbs/s) powder
Control	electronic control via CAN-bus 2.0 with absolute position detection via potentiometer
Weight	approx. 20 kg (44 lbs)
Operating Temperature	-40°C to +85°C (-40°F to 185°F)
Throw Ranges	1,400 l/min at 5 bar: up to 45 m 370 gpm at 70 psi: up to 148 ft (angle 3°, mounting height 15 m / 50 ft) 1,500 l/min at 6 bar: up to 50 m 400 gpm at 90 psi: up to 165 ft (angle 3°, mounting height 15 m / 50 ft) 1,500 l/min at 7.5 bar: up to 57 m 400 gpm at 110 psi: up to 187 ft (angle 3°, mounting height 15 m / 50 ft) 1,500 l/min at 10 bar: > 60 m 400 gpm at 145 psi: > 197 ft (angle 30°, mounting height ca. 3 m / 10 ft)

Protection Unit

For additional turret protection in harsh environments with high dust exposure a protection unit for the RM15 is available. Within 30 seconds the turret is moved into attack position by moving forwards and thereby mechanically pushing the gate upwards.

Dimensions	1.450 x 730 x 1.050 mm / 57" x 29" x 41" (l x w x h)
Weight	407 kg / 897 lbs
Construction	welded steel profile framework with sheet steel cover (can be removed for maintenance purposes)
Operating Voltage	24 VDC

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