

RPC Turret RM15C

Turret for Fixed Fire-fighting Systems



Description

The RPC Turret RM15C is a compact, electronically-controlled turret for the protection of storage areas, waste bunkers, aircraft hangars, helidecks etc. The turret 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)

Turret operation

- Automatic operation via infrared system
- Manual operation: simple & intuitive
 - Portable joystick remote control for the operation of up to 6 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)
Dimensions	645 x 300 x 390 mm / 25" x 12" x 15" (l x w x h)

Protection Unit

For additional turret protection in harsh environments with high dust exposure a protection unit for the RPC Turret RM15C 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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