

Medium Pressure-High power, small footprint

Medium Pressure

Medium Pressure Mercury lamps are available in a wide range with an arc length between 10 and 140 centimeter. The lamps can be fitted with various types of end fitting from our catalogue, or equipped with customer special fittings, cables or pins. The lamps are made from selected types of quartz glass, with transmission characteristics tailored to the application. Medium Pressure Mercury lamps contain sophisticated quantities of mercury bromides, providing a self-cleaning halogen cycle, to control the depreciation of UV radiation over lamp life.

Benefits

- Security of effective disinfection over the complete lifetime of the lamp
- High system efficacy because it is not required to over-design the purification system to maintain effectiveness of disinfection
- The unique P3 technology allows for more design freedom, longer lamp life, better lifetime reliability (reduced early failures) and better performance
- Lamps can be custom made

Features

- Short-wave UV radiation with a peak at 253.7 nm (UVC) for disinfection
- Precisely dosed quantities of mercury bromides providing a self-cleaning halogen cycle to ensure constant UV output over the complete lifetime of the lamp
- Available with patented P3 (Philips Pinch Protection) technology to secure optimal lifetime behavior including higher heat tolerance on the pinch
- HOK /80 and /120 lamps can be loaded up to 80 and 120W respectively per cm of arc length
- Horizontal burning position +/-10°
- Different dimensions available on request

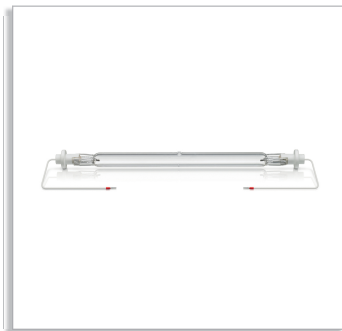
Application

- Deactivation of bacteria, viruses and other micro-organisms
- Water treatment (waste-, drinking- or process water)
- Surface treatment
- Advanced oxidation (with special quartz glass)
- Ship ballast water treatment

System

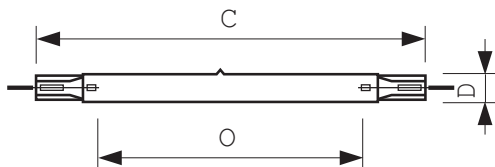
- A choke and ignitor can be used at up to 2 kW lamp power
- A transformer-type circuit is required for lamp powers over 2 kW
- Information on electronic drivers available on request

Related products



HOK 25/120

Dimensional drawing



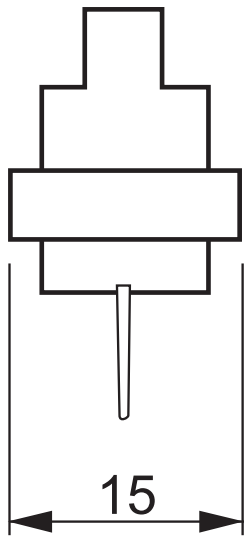
HOK 25/120 PP D UNP

Product	C (Max)	D (Max)	O (Norm)
HOK 25/120 RX15sp PP D	367	21.6	250

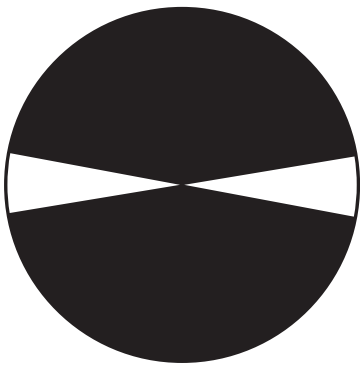
General Characteristics

Order code	Full product name	Cap-Base	Execu-tion	Main Applica-tion	Oper-ating Position
928183105105	HOK 25/120 PP D UNP	RX15sp	Pinch Protection	Curing	p10

Installation diagrams



RX15sp



p10

Light Technical Characteristics

Order code	Full product name	Depreciation at useful lifetim
928183105105	HOK 25/120 PP D UNP	%

Electrical Characteristics

Order code	Full product name	Dimmable	Lamp Current	Lamp Wattage
928183105105	HOK 25/120 PP D UNP	No	7 A	2500 W



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