



X-ray systems

EVO 300DW/1200



Built to last It's robust and reliable

Designed and built in Denmark; the EVO systems are comprised of the best components and assembled with the utmost care - making them reliable, long lasting, and a sound investment. They are fitted with a high quality metal ceramic X-ray tube, and the robust composite casing protects all vital parts. The systems meet the IP65 standard, making them fully operational in dusty and wet conditions.

Smarter workflow It's intuitive and easy to handle

The ergonomic design makes the EVO 300DW/1200 easy to handle and re-position. A broad temperature range from -20°C to +50°C makes the EVO systems reliable and ensures smooth operation even in extreme environments. The unique performance power minimizes the duration of each exposure, optimizing the efficiency of the work rate.

Enduring performance Stable power through smart cooling

The EVO 300DW/1200 delivers 300 kV and 1200 W of constant potential X-ray power, supported by efficient water cooling. This design allows long exposures and continuous use, even in high-temperature or confined environments. For the operator, it means fewer interruptions, stable results, and maximum uptime in demanding inspection jobs - performance you can rely on when conditions are at their toughest.

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x-ray

Exposure calculator

The advanced built-in exposure calculator in the CONTROL EVO ensures fast exposure calculations, as well as uniform results and optimised exposure times. It accommodates the use of a wide range of films, materials and settings.

Power supply

The AC-mains voltage range spans from 85 to 264 VAC and from 45 to 65 Hz, supporting global operation. The improved power factor correction module ensures stable operation, where AC-mains are unstable.

Full power range

The EVO 300DW/1200 can deliver 1200 W X-ray output down to 110 VAC, ensuring optimum performance in a global environment.

Options

Rugged flight case solutions are available for the EVO 300DW/1200 tube head and the CONTROL EVO. The flight cases ensures safe storage and transportation.

Certificates

CE (Low voltage 2014/35/EU, EMC 2014/30/EU and RoHS 2011/65/EU).

Cooler XRC 3023 WA

Circulates water or water-glycol coolant and re-cools it via an air-cooled heat exchanger. The XRC 3023 WA is supplied with 230 VAC.

Specifications

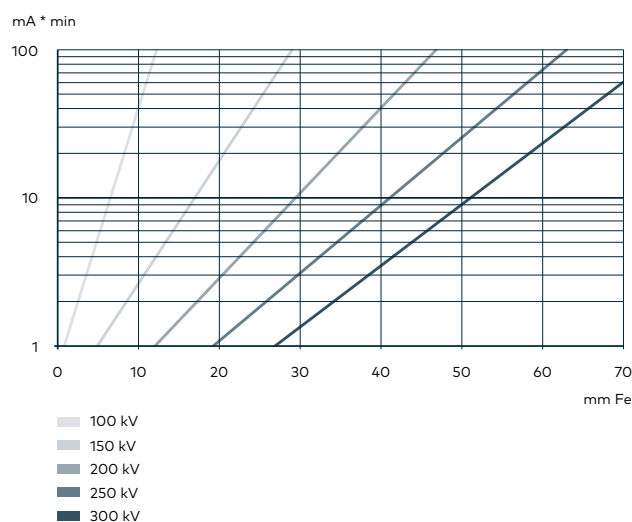
Weight	37 kg
Height	910 mm
Focal spot size EN 12543	3.0 mm
High voltage adjustment	60 - 300 kV
mA adjustment	0.5 - 6.5 mA
Max. X-ray power *	1200 W
Beam angle	40° x 60°
Leakage radiation	Max. 5.0 mSv/h
Environment	IP65
Temperature range	-20°C to +50°C
Cont. exposure 40°C, 300 kV / 4.0 mA	1 hour**

* 1200 W above 110 VAC

** Max. inlet temperature +30°C

Fe exposure diagram

700 mm FFD / D7-type + Pb / D = 2.0



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