

X-ray systems

# EVO 300P



## **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 now protects all vital parts even better. The systems meet the IP65 standard, making them fully operational in dusty and wet conditions.

## **Smarter workflow** **It's light-weight and easy to handle**

The ergonomic design and the low weight of 36 kg make the EVO 300P 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 intuitive interface allows for a smarter workflow. The re-engineered three-part lead belt is easy to mount and has as standard a 38° x 60° slit option allowing for directional use if required.

## **High performance** **Due to its technical capabilities**

Built to meet the highest international safety standards, each unit is individually tested and measured for safety and accuracy. The panoramic 38° x 360° X-ray beam makes the EVO a perfect choice for weld seam inspection of cylindrical vessels and pipes. The EVO 300P features a combination of 300 kV and 750 W constant potential X-ray power for high penetration - making it well suited for all heavy duty inspection jobs where ultimate performance is required.

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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.

## Options

The right set of accessories is important to make your workflow even smarter. A tube stand and other accessories are available, making the X-ray systems versatile, flexible and suited for most applications.

## Certificates

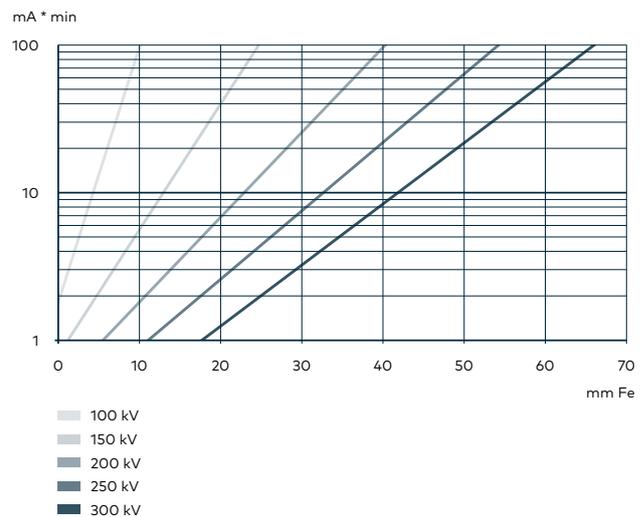
CE (Low voltage EN 61010-1, EMC 2004/108/EC, Machinery EN 60204-1). DIN 54113, Röntgenverordnung (RöV) and NF C 74-100.

## Specifications

Weight	36 kg
Height	804 mm
Focal spot size EN 12543	0.5 x 5.5 mm
High voltage adjustment	50 - 300 kV
mA adjustment	0.5 - 4.5 mA
Max. X-ray power	750 W
Beam angle	38° x 360°
Leakage radiation	Max. 5.0 mSv/h
Environment	IP65
Temperature range	-20°C to +50°C
Cont. exposure 35°C, 200 kV / 2.5 mA	Min. 1 hour

## Fe exposure diagram

700 mm FFD / D7-type + Pb / D = 2,0



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