

BALTOMATIC AIS228



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|-----------------------------|-----------------------------|
| Cabinet size: | 1350 x 675 x 1205 (+735) mm |
| X-ray compartment: | 1000 x 600 x 710 mm |
| Door size: | 840 x 650 mm |
| Focal spot - Film distance: | 850 mm |
| Irradiated area at FFD: | Ø 600 |
| Mains (single phase): | 230 V |
| Frequency: | 50 Hz |
| Current consumption: | 9 A |
| Operating temp.: | From 10° to 35°C |
| X-ray leak*: | < 0,5 µSv/h |
| Duty cycle: | 100 % |
| Tubehead: | Metal-Ceramic or Ceramic |

* @ 10 cm of the wall, fully protected cabinet.

MAIN FEATURES

- Safe shielded cabinet with leakage dose rate of <math><0.5\mu\text{Sv/h}</math>
- X-ray generator available from 5 to 300 kV and up to 12 mA
- Constant potential high frequency generator available
- Manual swivel door with double magnetic sensor and an electro magnet with a locking strength of 3000 N.
- Safety first, x-ray start with 2 buttons



KEY ADVANTAGES

- Multi purpose X-ray generator is able to inspect many types of parts
- Available in different version allowing you to choose between different generators.
- Main switch with a removable key that avoids unauthorized people to operate the equipment
- Two emergency stop buttons (one on the shielded cabinet and one on the control unit).
- A large door with an aperture of 840 mm x 650 mm
- Fully integrated design

SHIELDED CABINET FOR X-RAY INSPECTION OF WELDED SAMPLES AND CASTINGS

The AIS228 is a very compact equipment that provides you with numerous advantages. A wide variety of samples as well as different thicknesses can be inspected with this unit. This shielded cabinets includes, as irradiating source, a directional X-ray generator from the very well-known and efficient Baltospot range.



MECHANICAL DRAWING



These cabinets are generally made of a steel structure with lead reinforcement to assure a proper shielding against radiation outside of the confined area («sandwich» type assembly: steel-lead-steel). This user-friendly equipment can be very easily operated with a maximum safety.

INTERNATIONAL

- CE certified
- NFC74-100 LCIE Certified

| Specifications | Units | BALTOMATIC AIS228 |
|---------------------------------|-------|---------------------------------------|
| Cabinet size (L x D x H): | mm | 1350 x 675 x 1205 (+735) |
| X-ray compartement (L x D x H): | mm | 1000 x 600 x 710 |
| Door size (L x H): | mm | 840 x 650 |
| Focal spot - Film distance: | mm | 850 |
| Irradiated area at FFD: | mm | Ø 600 |
| Mains (single phase): | V | 230 |
| Frequency: | Hz | 50 |
| Current consumption: | A | 9 |
| Operating temperature: | °C | From 10 to 35 |
| X-ray leak @ 10 cm of the wall | µSv/h | < 0,5 µSv/h (fully protected cabinet) |

Optional «stand» with/without doors, elevated floor to allow fork lift uses for transportation, movable roof for easy service, electro magnetic lock with «fail free» active function, door on hinges.

| Specifications | Units | AIS228 With GFD165 | AIS228 With CERAM235 | AIS228 With CERAM35 | AIS228 With LLX160 | AIS228 With LLX200 | AIS228 With XSD160 | AIS228 With XSD225 |
|---------------------------|-------|-----------------------|-------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| High voltage range: | kV | 50 to 160 | 70 to 235 | 100 to 300 | 5 to 160 | 5 to 200 | 5 to 160 | 5 to 225 |
| Tube current range: | mA | 1 to 5 | 0,1 to 5 | 0,5 to 5 | 0,5 to 12 | 0,5 to 12 | 0,1 to 50 | 0,1 to 30 |
| Beam angle: | | 55° | 40° | 40° | 60° x 40° | 60° x 40° | Refer tube flyers | Refer tube flyers |
| Focal spot size (IEC336): | | 1,5 x 1,5 | 2 x 2 | 2,5 x 2,5 | 1 / 3 | 1 / 3 | 0,2 x 0,2 to 3 x 3 | 0,2 x 0,2 to 3 x 3 |
| Maximum power: | W | 800 | 1175 | 1500 | 600 / 900 | 600 / 900 | 4000 | 4000 |
| Steel penetration (*): | mm | 17 | 43 | 58 | 26 / 29 | 42 / 44 | 35 | 54 |
| Working temperature: | °C | Max. 70° | Max. 70° | Max. 70° | Max. 70° | Max. 70° | Max. 70° | Max. 70° |
| Inherent filtration: | mm | 6 Al | 1 Be | 1 Be | 0,8 Be | 0,8 Be | Refer tube flyers | Refer tube flyers |
| Anode cooling type: | | Air | Air | Air | Air | Air | Water | Water |
| Duty cycle: | % | 100** | 100 | 100 | 100 | 100 | 100 | 100 |
| Tubehead: | | Glass | Ceramic | Ceramic | Metal-Ceramic | Metal-Ceramic | Metal-Ceramic | Metal-Ceramic |
| Control unit: | | CF2000 or Hand-X | CF2000 or Hand-X | CF2000 or Hand-X | DC1 or Hand-XD | DC1 or Hand-XD | LS1 or LS1C2 | LS1 or LS1C2 |

* FFD= 700mm/Film Kodak AXD=2.0t=10min. **At 30°C reduced mA.

Contact details

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