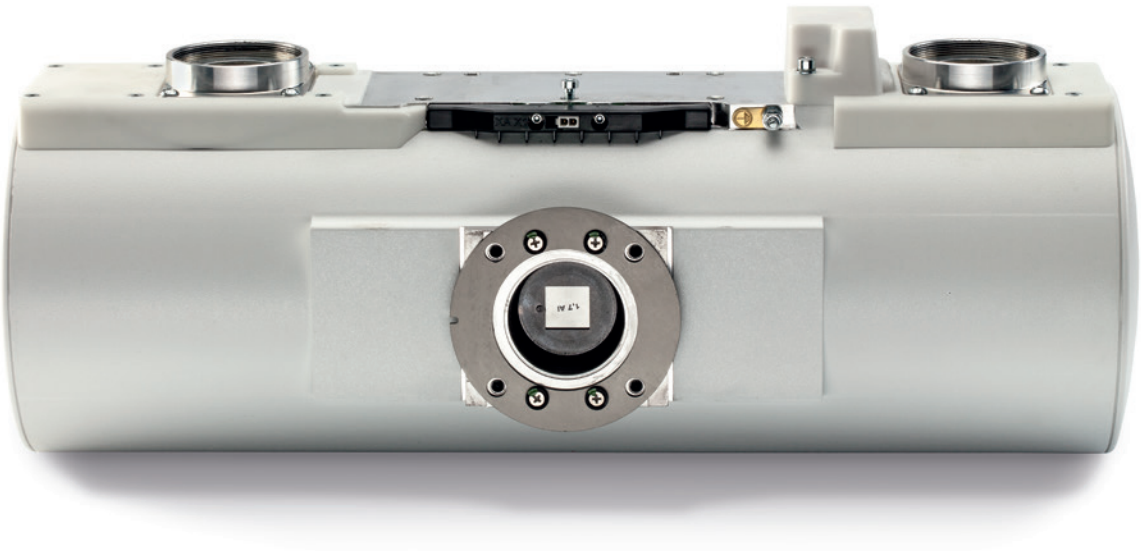
HIGH PERFORMANCE TUBE FOR NEARBY FLUOROSCOPY AND RADIOGRAPHY

# MAXIMUM THROUGHPUT WITH EXCELLENT RELIABILITY



The **DU2550-E** is a high-speed X-ray tube assembly, designed to **improve workflow and accelerate image acquisition** in heavily used nearby fluoroscopy and radiography systems. Its unique thermal management concept enables extraordinary patient throughput rates in combination with excellent reliability.

## KEY BENEFITS

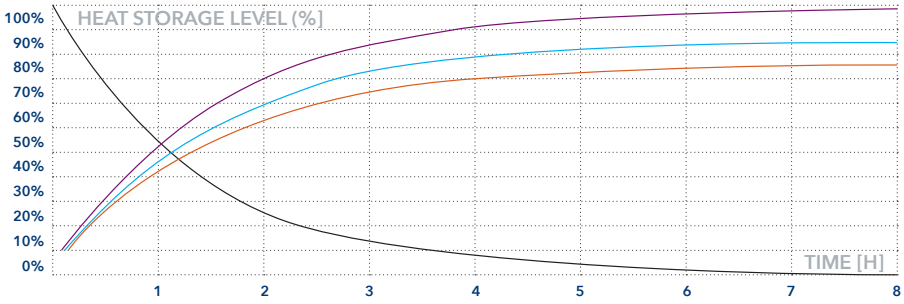
**Improved workflow**
- Up to 120 exposures per hour without overheating
- Enables 4 accelerations per minute

**Convective air cooling**
- No additional cooling devices (e.g. fans/chillers) needed

DUNLEE

| Specifications | | | DU2550-E |
|---|---|---|---|
| Maximum Tube Voltage [kV] | | | **150** |
| Focal Spots | Small Focus | | **0.6** |
| | Large Focus | | **1.0** |
| Nominal Anode Input Power [kW] (High Speed 150Hz) | Small Focus | equivalent anode input power 250 W:<br>equivalent anode input power 20 W: | **25**<br>**30** |
| | Large Focus | equivalent anode input power 250 W:<br>equivalent anode input power 20 W: | **50**<br>**60** |
| Nominal Continuous Input Power for Assembly [W] | | | **200** |
| Maximum Heat Content of Assembly [kHU] | | | **2,046** |
| Maximum Permissible Rate of Start-Stop Cycles per Minute<br>(Please note: this rate cannot be applied continuously without reaching critical housing temperature) | | | **4** |
| Nominal Anode Rotational Speed [rpm] | | | **9,000** |
| Anode Angle | | | **15°** |
| HV Cable Connection | | | **O3** |

**The DU2550-E is part of the DU-E tube family, and has been specifically developed to serve nearby fluoroscopy and radiography needs.** The DU-E X-ray tubes are designed to support workflows of 120 exposures per hour, for all kinds of radiographic applications. Even after eight hours of continual, consecutive examinations, fulfilling two exposures per minute, this tube assembly still reaches less than 90% of its heat storage capacity. This applies for radiographic chest examinations as well as for more demanding examination combinations which require more power, such as the pelvis or stitching images of the spine.




**Heat management at 120 exposures per hour**

- 120 exposures/h in typical radiography chest examinations
- 120 exposures/h in typical mix of radiographic hospital case examinations
- nom. cont. input power = 200 W
- cooling curve of tube assembly



**Dunlee is a brand of the Philips Company Group**

**Contact us for further information and to find the tube best suited to your needs.**

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