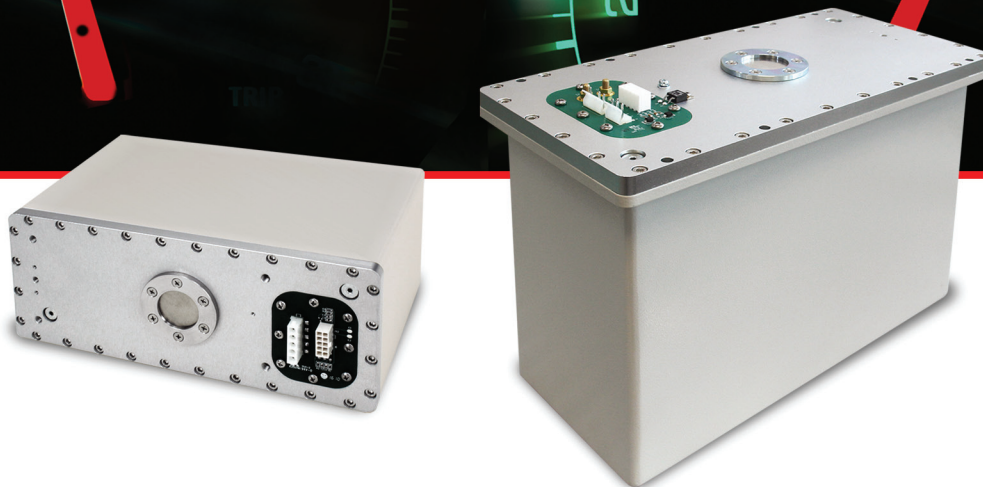


0 to 125kV in less than 1 millisecond!*

**Ultra-Fast 3.5kW and 20kW
Monoblocks® for Surgical C-Arms**



- **40-125kV Output**
- **kV Risetime <1mS**
- **75 Years High Voltage Innovation**
- **OEM Customization Available**
- **World-Class Manufacturing and Full Regulatory Compliance**
- **Global Sales, Service and Technical Support**

Benefit from Spellman's 75 plus years of high voltage innovation with Monoblock® X-Ray sources specifically designed for the C-Arm OEM. Our advanced technology and design expertise in conjunction with our depth of manufacturing capabilities position Spellman as the wise choice for your high voltage requirements.

Ultra-Fast MMB SERIES

Our unique technologies increase the quality of the X-Ray beam and significantly reduce the patient dose. Pulsed Fluoroscopy enhances imaging of dense and complex anatomy to further support dose management. With a rise time as fast as <1ms, Spellman's MMB Series is among the fastest in the industry.

 **Spellman®**
High Voltage Electronics Corporation
spellmanhv.com

SPECIFICATIONS

MMB3.5

Input Voltage 190-264Vac
Maximum Power 3.5kW

Output

kV Range 40-125kV
kV Rise Time < 1 msec
kV Ripple 1%
kV Accuracy $\pm 2\%$
kV Overshoot 5%

mA Range

Small Focus 0.2-10mA
Large Focus 10-40mA

X-Ray Tube

Focal Spot

Small Focus 0.5
Large Focus 1.6

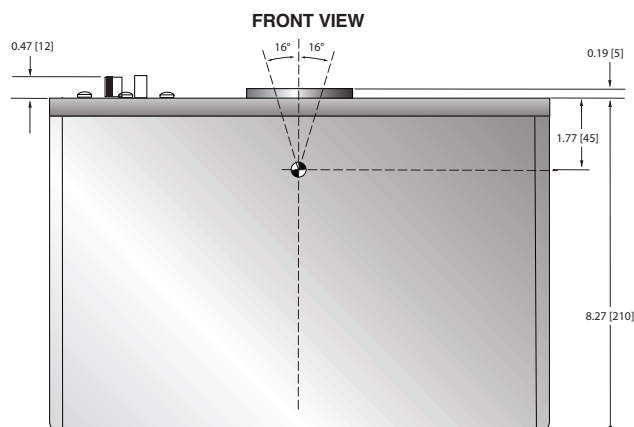
Target Angle 16 degree

Total Equivalent Filtration >2mm Al

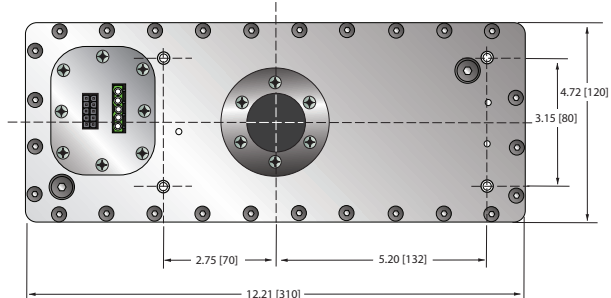
Tank Heat Spec

Maximum Tank Heat Storage is no less than 630 kJ

Tank Maximum Cooling Rate 150W



TOP VIEW



MMB20

Input Voltage 190-264Vac
Maximum Power 20kW

Output

kV Range 40-125kV
kV Rise Time < 1.5 msec
kV Ripple 1%
kV Accuracy $\pm 2\%$
kV Overshoot 5%

mA Range

Small Focus up to 20mA
Large Focus up to 200mA

X-Ray Tube

Focal Spot

Small Focus 0.3
Large Focus 0.6

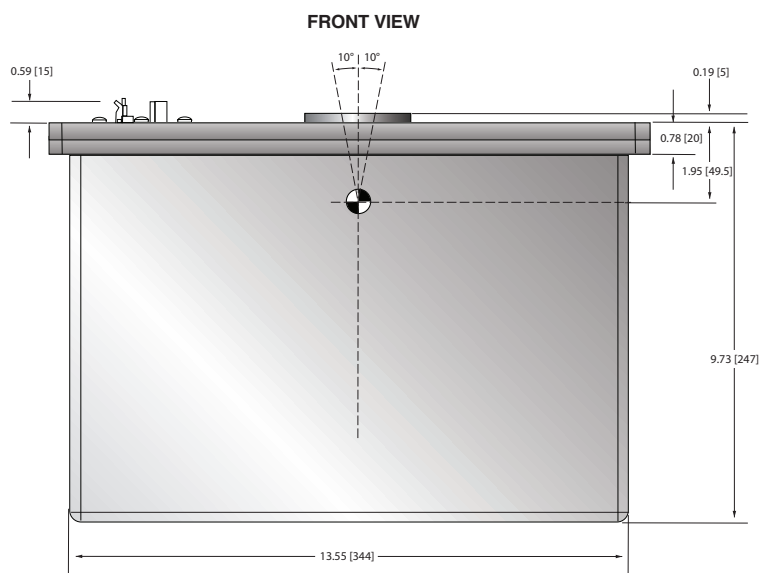
Target Angle 10 degree

Total Equivalent Filtration >2mm Al

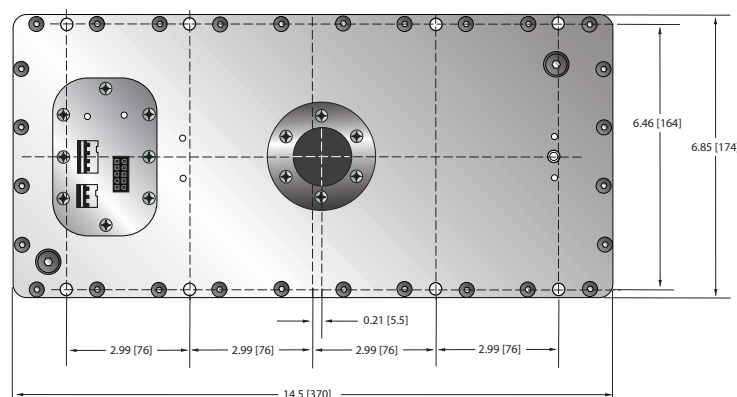
Tank Heat Spec

Maximum Tank Heat Storage is no less than 888 kJ

Tank Maximum Cooling Rate 200W



TOP VIEW



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