

# R605FMP

**ROUND- AND ELLIPTICAL-FIELD COLLIMATOR DESIGNED TO OPERATE WITH A MOBILE "C" ARM IMAGE INTENSIFIER. ITS SMALL DIMENSIONS FACILITATE X-RAY TUBE POSITIONING.**

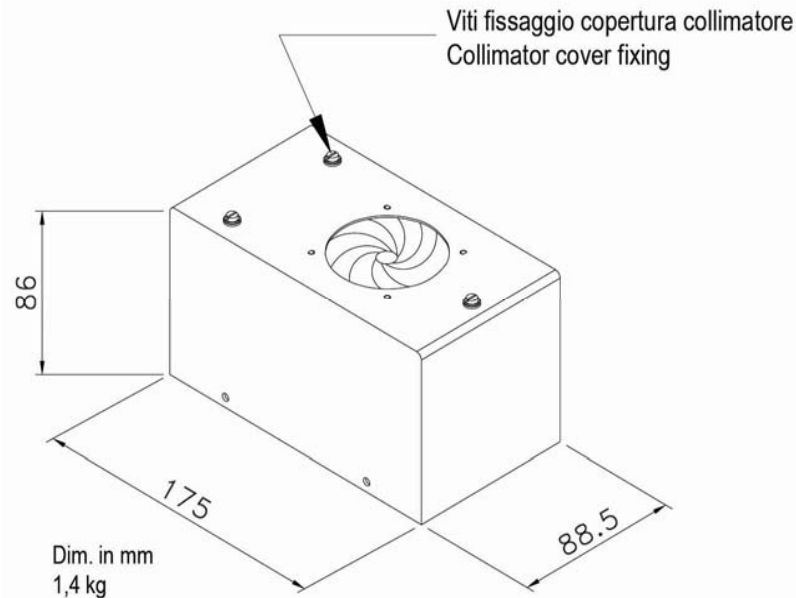
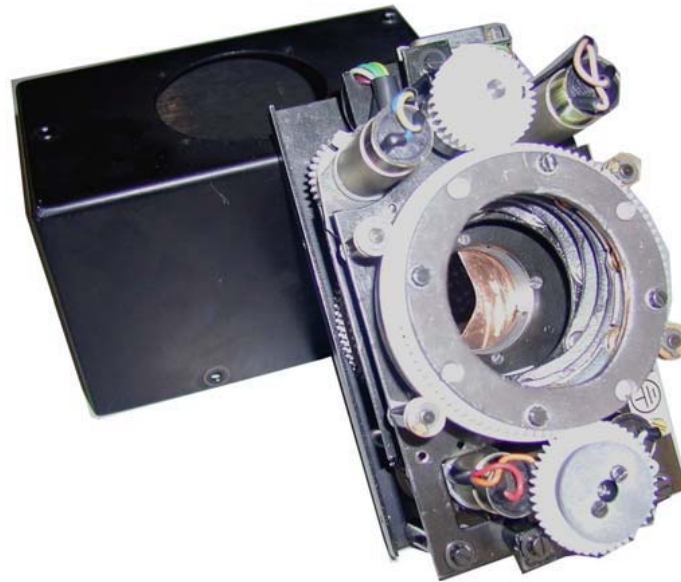
The round field is defined by 8 lead shutters located near the beam exit window and a brass cone near the X-ray focus; the elliptical field is defined by a pair of rectangular copper shutters located near the collimator entrance window which, combined with round field, provide an ellipse.

The shutters open, close and rotate 360° and their movements are controlled by D.C. motors.

During rotation the elliptical field size remains constant at 1m FFD with a tolerance of  $\pm 10\text{mm}$

## TECHNICAL FEATURES:

- Field sizes at FFD 92 cm (36") with the collimator mounted at 64 mm (2.5") from the x-ray focus:  
**Elliptical field:** from 0 to 30 cm  $\pm 1\%$  FFD.  
**Round field:** from  $< 5$  cm (1.97") to 30 cm (12") ( $\pm 1\%$  FFD) - for smaller fields (9" and 7") the secondary collimator needs to be substituted. Therefore the **required field must be specified on order.**
- 125 kVp radiation shielding
- Potentiometer control for the round field only.



## OPTIONAL ITEMS:

- RO 103 - Spacer, 1,5mm thick, for mounting flange.
- RO 066 - Filter, AL, fixed type 0.5 mm thickness.
- RO 067 - Filter, Al, fixed type 1mm thickness -
- RO 176 - Cardiac shutter
- RO 182 - Secondary Collimator for I.I. 7"
- RO 183 - Secondary Collimator for I.I. 9"

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