

The safeguard against X-ray exposure

CVP-2



CVP-2
Anti-scattering and
direct beam radiation filter



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Product



CVP-2

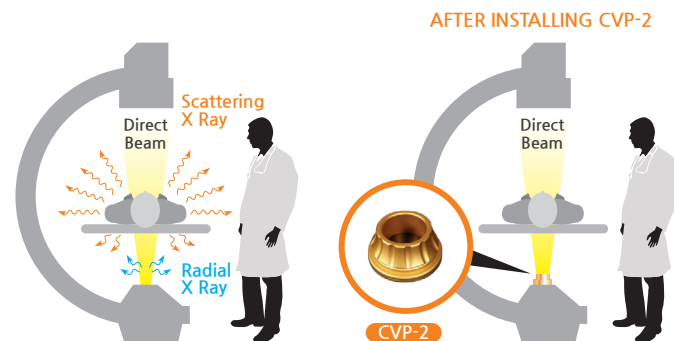


Experience the Innovation

The CVP-2 is an anti-scattering and direct beam radiation filtering device. The main purpose of the device is to promote a healthier environment when using the C-arm by significantly reducing the amount of radiation exposure to not only the patient but also the medical staff. It also enhances the protection level for the other lead shields during treatments or operations. On top of that, it will protect areas that are openly exposed such as the hands, eyes, skin, scalp, etc.

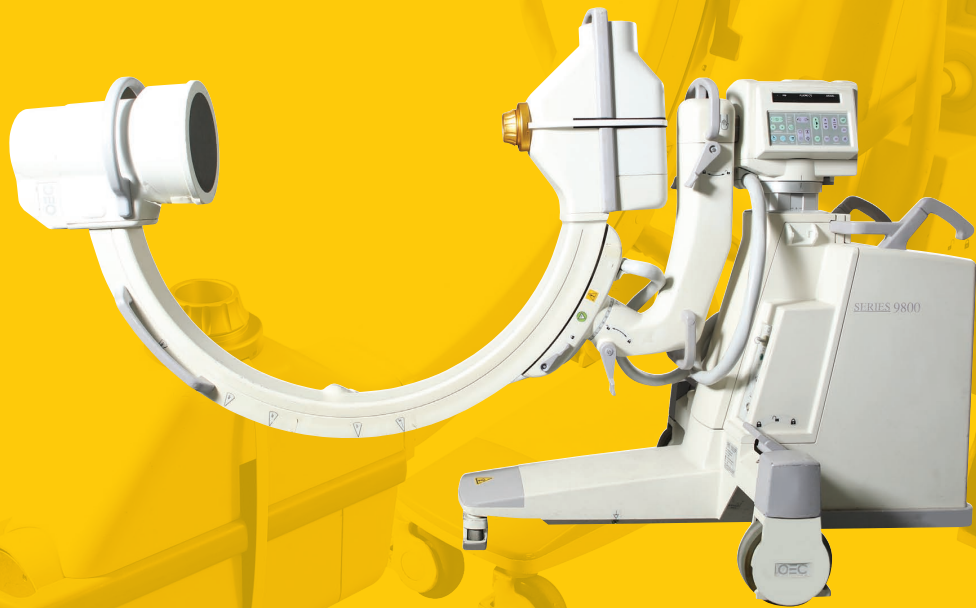
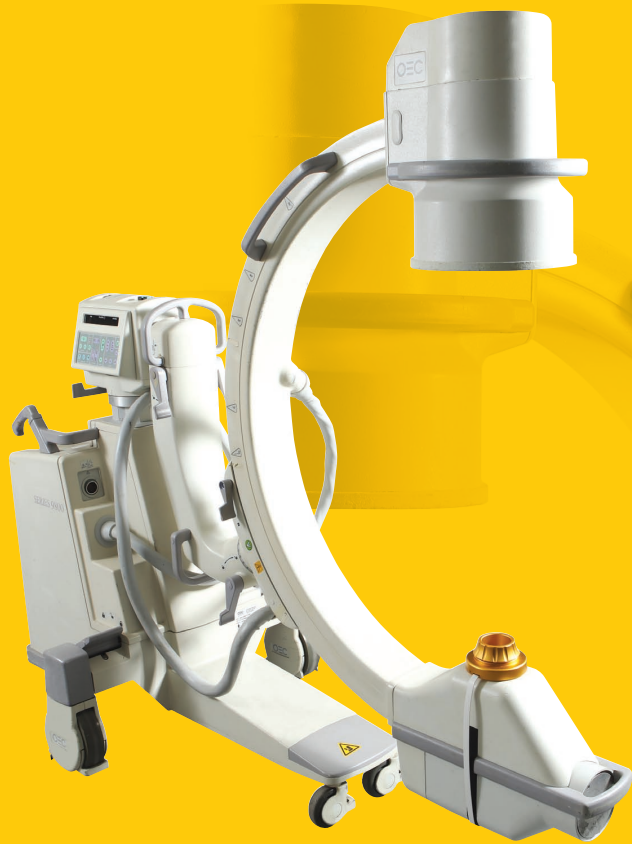
Principles

The patented filter of the CVP-2 will filtrate the unnecessary rays that cause scattered radiation from the window of the X-ray Tube. This innovation in filtering technology allows the CVP-2 to significantly reduce the amount of exposure to not only the patient but also the medical staff with minimal affect on the image quality.

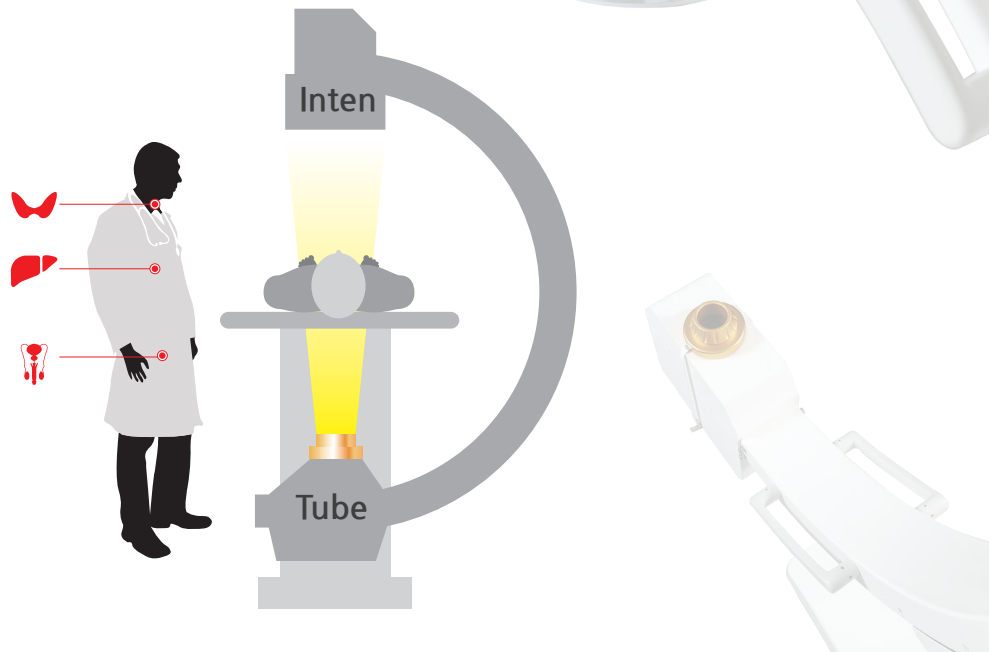


FEATURES

- Substantially reduces the radiation exposure
- Enhances the protection level of conventional protection-wear such as aprons, thyroid shields, etc.
- Protects the exposed areas that are not protected such as the eyes, scalp, hands, etc.
- Semi-permanent ; has no exchangeable parts

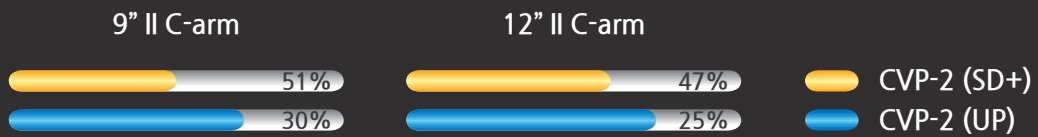


Down Tube

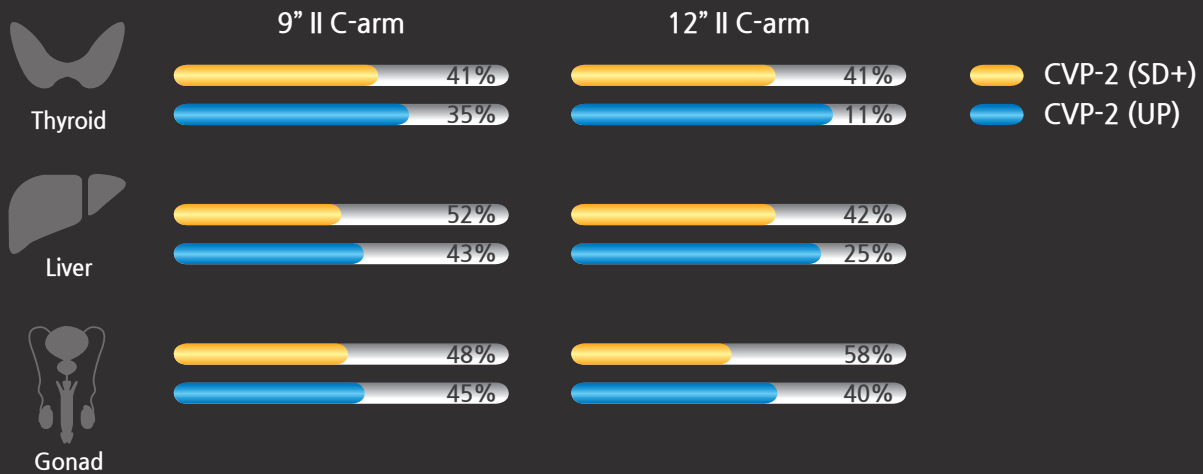


- A With CVP-2(SD+)
- B With CVP-2 (UP)

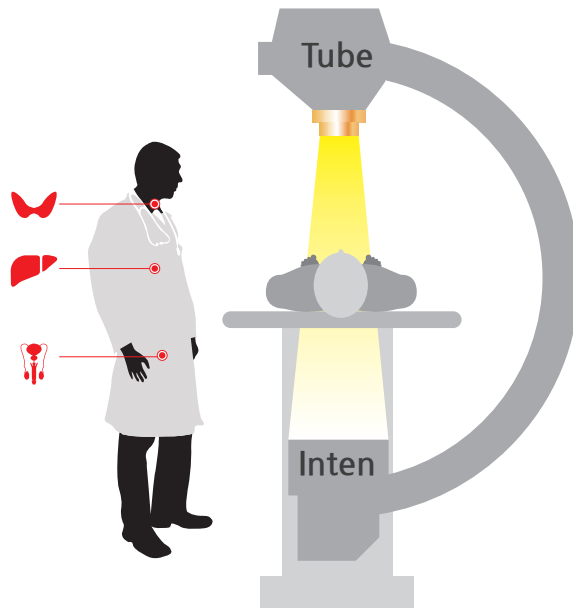
Patient Dose Reduction Rate (Direct Beam)



Medical Staff Dose Reduction Rate (Scattered Radiation)



* Disclaimer: Whether or not installation of the CVP-2 has occurred, always follow ALARA (As Low As Reasonably Achievable) when in or around an environment known to emit radiation. The CVP-2 is not guaranteed protection from radiation exposure of any degree, or from any health conditions resulting from radiation exposure.

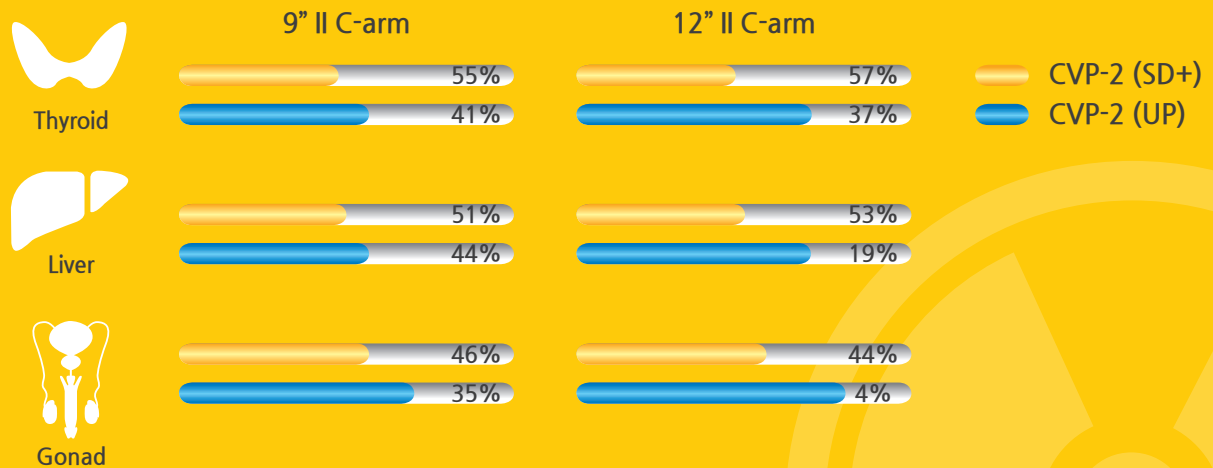


- A With CVP-2(SD+)
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Patient Dose Reduction Rate (Direct Beam)



Medical Staff Dose Reduction Rate (Scattered Radiation)



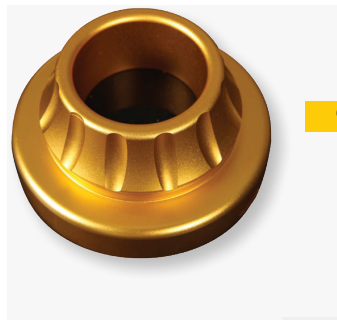
REFERENCE: Korea Testing Laboratory

* Actual results may differ due to various factors such as condition, parameters, environmental, device, etc. while using fluoroscopy.

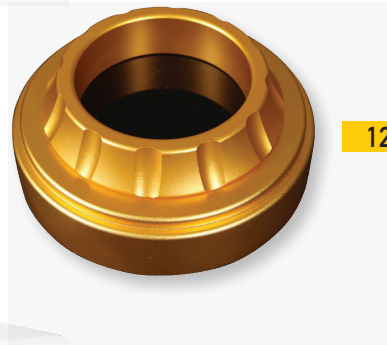
* Data is based on the GE brand C-Arm and therefore, results can vary depending on the brand of C-Arm or various testing conditions.

MSLINE ENG.

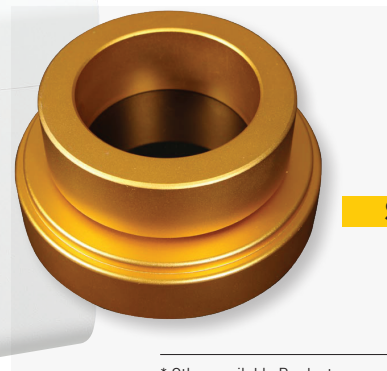
Products **CVP-2**



9 inch



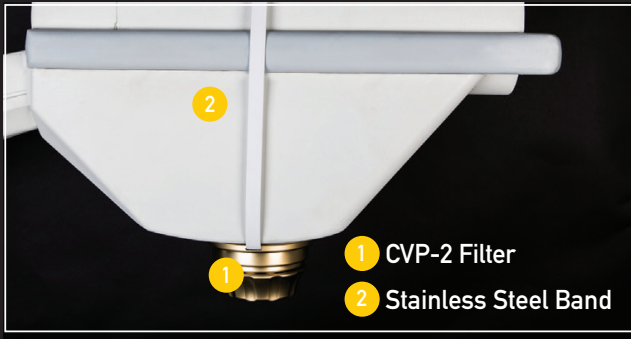
12 inch



SD+

* Other available Products
Radiation Reducing filter for Angiography Machine and
Panorama/CT Dental X-Ray Machine

Installation



Easy Installation

The CVP-2 is attached to the X-ray Tube of the device. It is strongly fixed to the device with an enduring stainless steel band.

SCI Class Clinical Paper

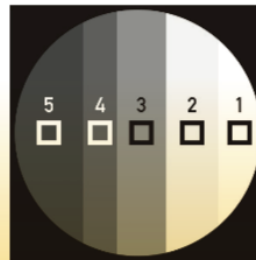


"Performances of a protect against scattered radiation during intraoperative use of C-arm flouroscope,"
IOP Publishing (Journal of Radiological Protection), 2016

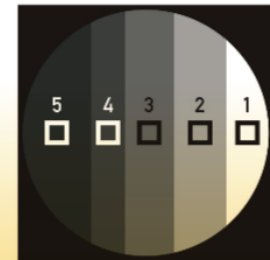
Image Quality

RESULT: Acryl Step Phantom (Imaging & Profile)

- A 25x25 pixel square was set for each row in the same image step and the internal pixel value were all added.
- The Image Contrast Resolution was obtained by comparing each added pixel value from adjacent steps.
- Through this, the effect on image resolution was evaluated for the CVP.



Without



With

Certified & Approved





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beam radiation filter



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