

XRS-225



Customer Benefits

- Stepless control of kV and mA
- Easy to install, operate and integrate
- Suitable for factory floor application
- Higher penetration, shorter exposure times
- Best-in-class performance and reliability
- Arc resistant design increases efficiency
- In-house test of complete module

Tube, Cable, Cooler

TUBE	Ordering No.
MXR-225/21	915325.51
MXR-225/22	915326.51
MXR-225/26	915386.51
MXR-225/01	915327.51
MXR-225HP/11	915371.51
MXR-225HP/11 FB	915362.51
HIGH VOLTAGE CABLE	Ordering No.
P3/250-R24SL-R28SL-5m	20031099
P3/250-R24SL-R28SL-10m	10010844
COOLER/CHILLER	Ordering No.
XRC-3001-WA (Cooler water/air)	10008640
XRC-3001-WW (Cooler water/water)	10008641
XRCA-3001-WA (Chiller water/air)	20033337

Technical Specs XRP-225

GENERATOR XRP-225/2250/2

Voltage range	10– 225 kV
Adjustment increments (minimum step)	0.1 kV / step
Accuracy	+/-1 %
Reproducibility (at constant temperature)	+/-0.01 %
High voltage ripple (with 10m high voltage cable)	5 V/mA, min. 20 V
Temperature induced drift	80 ppm/°C
Current range	0–15 mA (*0-30mA)
Adjustment standard range	0.05mA increments
High resolution range (recommended)	0.01 mA steps
Accuracy (at constant temperature)	+/-0.2% of output value +/-0.01% mA
Reproducibility (at constant temperature)	+/-2 μ A
Temperature induced drift	50 ppm/°C
Maximum power	2250W (*4500W)
High voltage connector type	R28
Control Unit	XRG
Dimensions (WxHxD) mm	483 mm x 133 mm x 300 mm
Weight	12.5 kg
Power Supply	XRP-Power
Dimensions (WxHxD) mm	340 mm x 200 mm (*350 mm) x 628 mm
Weight	26 kg (*45 kg)
High Voltage Tank (Oil Insulated)	XRP-T225K
Dimensions (WxHxD) mm	514 mm x 364 mm x 624 mm
Weight	125 kg

*for XRP-225/4500/2

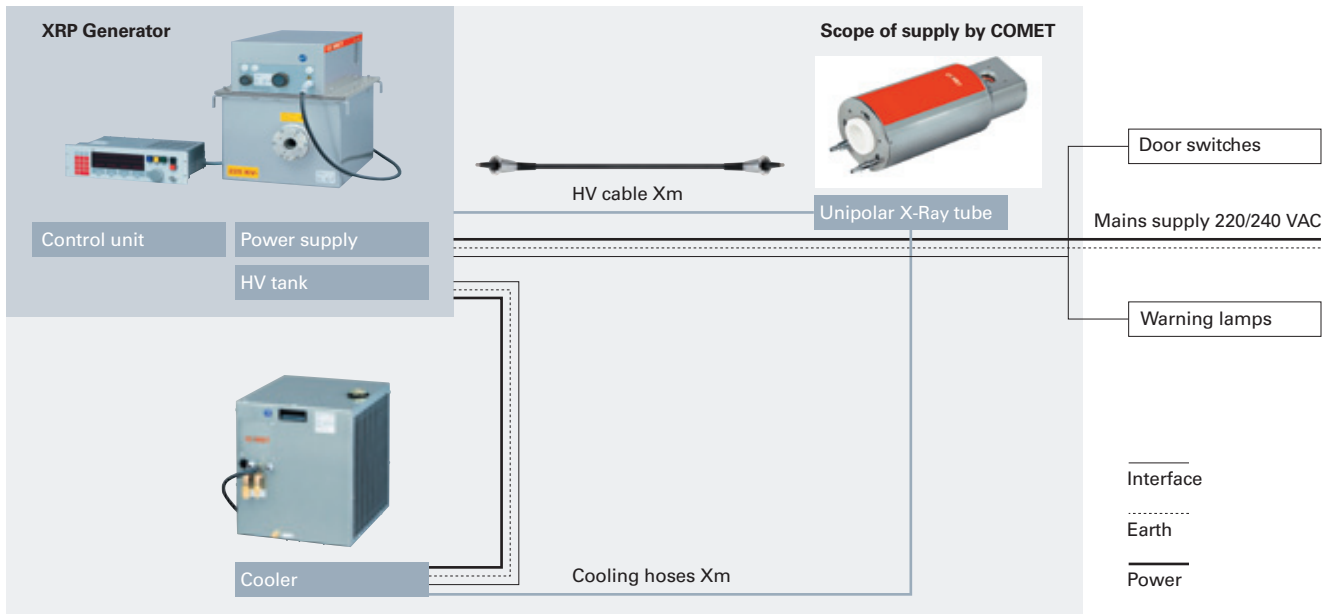
COMET

Technology with Passion

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Unipolar X-Ray Source

Diagram of a Unipolar X-Ray Source XRS and its environment.



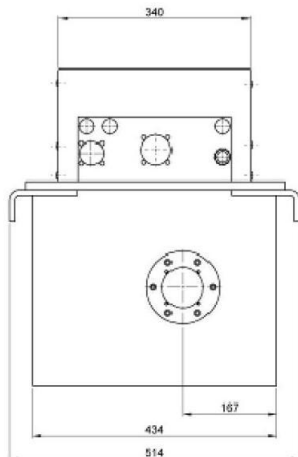
XRS-225 configurations

Examples of XRS-225 configurations

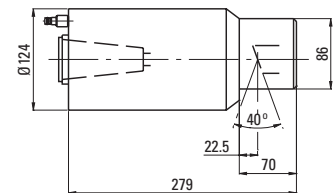
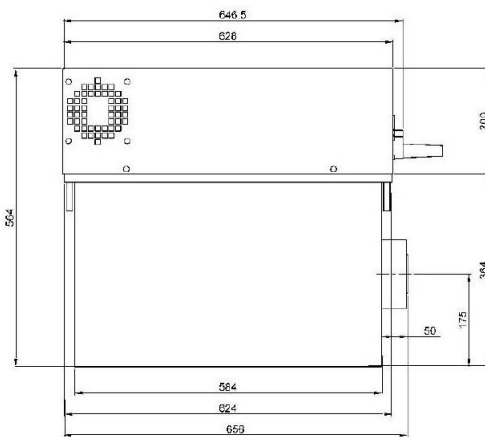
TUBE				CABLE	GENERATOR	COOLER
Type	Continuous rating	Focal spot acc. EN 12543	Radiation coverage	Type	Type	Type
MXR-225/21	640W/1600W	d=1.0/3.0mm	40°	P3/250-R24SL-R28SL-Xm	XRP-225/2250/2	XRC-3001-WA
MXR-225/22	640W/3000W	d=1.0/5.5mm	40°	P3/250-R24SL-R28SL-Xm	XRP-225/4500/2	XRC-3001-WA
MXR-225/26	600W/4000W	d=1.2/5.5mm	40°	P3/250-R24SL-R28SL-Xm	XRP-225/4500/2	XRC-3001-WA
MXR-225/01	320W	d=0.5mm	40°x30°	P3/250-R24SL-R28SL-Xm	XRP-225/2250/2	XRC-3001-WA
MXR-225HP/11	800W/1800W	d=0.4*/1.0mm	40°x30°	P3/250-R24SL-R28SL-Xm	XRP-225/2250/2	XRC-3001-WA
MXR-225HP/11 FB	800W/1800W	d=0.4*/1.0mm	90°x25°	P3/250-R24SL-R28SL-Xm	XRP-225/2250/2	XRC-3001-WA

*Threshold: 30 %

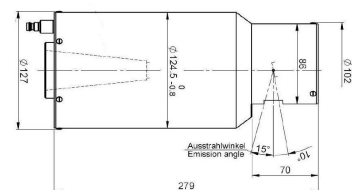
Outline drawings



Generator XRP-225/2250/2



Standard tube version



Fan Beam (FB) tube version