



Polydoros RFX

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Features and benefits

Polydoros RFX

System Integration

- DR protocol, supported by leading DR workstation providers, assures fast integration into your system
- Compatible with tubes from Siemens
- Small Footprint/Volume of ~ 100 l

User Interface

- Mini console designed for easy disinfection
- DR protocol enables full remote control via DR workstation
- Web interface for Service

Business Support

- Pre & After Sales Support combined with integration support
- Fast spare part delivery world wide for your business
- Hotline assistance for universal services
- Less inventory, because of scalable architecture
- Service training for field engineers onsite and in house available



Type and material number

Model	Power rating	Material number
Polydoros RFX Low Power	30 / 40 / 55 / 65 kW	11011802
Polydoros RFX High Power	80 kW	11011803

Technical data

Nominal power*	55 and 65 kW	80 kW (2 INV)
kV range	40 kV to 150 kV	
kV steps	1 kV Steps	
mA range	10 to 800 mA	10 to 1000 mA
mAs range	0.5 to 800 mAs	0.5 to 1000 mAs
Exp. time range	1 ms to 5 s	
HV rise time	≤ 1 ms** @ ≤ 150 kV	
X-ray tube support	Siemens Healthineers RAY®-14 Siemens Healthineers RAY®-12 Siemens Healthineers SDR 150/30/55-3 Siemens Healthineers SV 150/40/80C-100	
No. of workstations	3: BWS, table, free exposure	
Modes of operation	1 point with falling load; 2 and 3 point (constant load)	
AEC chamber	Siemens Healthineers 3 and 5 field shadow free chamber	
DAP meter	Kermax plus standard: Resolution 0.1 $\mu\text{Gm}^2/\text{pulse}$ Kermax plus HS: Resolution 0.01 $\mu\text{Gm}^2/\text{pulse}$	
Web interface	For service	
Mini console	On/off, exposure, disinfection possible	
Volume / dimensions	~ 100 l / 602 × 374 × 442 mm / < 78 kg	
Line voltage	380–480 V/3~	
EMC Class	B; for residential and rural areas	

* R&D pointed out: Reduction of Power not possible in VA21 and VA22, no mechanism implemented

** For the kV voltage range from 50–80 kV for tube currents $I_t > 850$ mA, the rise time is < 2ms.

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