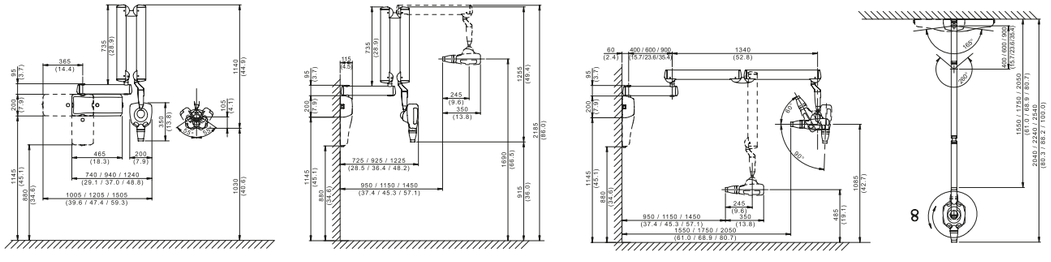
TECHNICAL DATA

Generator	Constant potential, microprocessor-controlled
Working frequency	145-230 KHz (typically 175 KHz)
Focal spot	0.4 mm (IEC 336)
Anode current	4 / 8 mA
Voltage at X-ray tube	60 / 65 / 70 kV (*)
Exposure time	0.020 – 1.000 seconds, R'10 and R'20 scale
Source-skin distance	20 and 30 cm
Irradiated field	35 x 45 mm (with rectangular cone for size 2 sensors), Ø 60 mm and Ø 55 mm (with round cone)
Additional collimators	31 x 41 mm and 22 x 35 mm, for size 1 and size 0 sensors
Total filtration	2 mm @ 60 kV / 2 mm @ 65 kV / 2 mm @ 70 kV (*)
Power supply	50/60 Hz, 115-120 V AC ±10% or 230-240 V AC ±10%
Duty Cycle	Continuous operation with self-adjustment up to 1s/80s total
Stability	Automatic lock/release, with touch-sensitive activation (HyperSphere technology)
Arms	Available in 3 lengths: 40 cm - 60 cm - 90 cm
Maximum arm extension	230 cm, from wall
Dose delivered	Viewing on a handheld device with option of digital archive on PC via iRYS software which can be automated via the "RX DC connect" (optional) accessory
PC connection cable	Serial with USB adapter available in various lengths
SOFTWARE	
Acquisition software (for PC)	iCapture for automatic saving of RX DC exposure parameters on PC
Image management software (for PC)	iRYS (compliant with ISDP©10003:2020 in accordance with EN ISO/IEC17065:2012 - certificate number 2019003109-2) and iPad iRYS viewer App (free)
Protocols supported in iRYS	ICOM 3.0, TWAIN, VDDS
DICOM Node Connectivity	iRYS - IHE compliant (Print; Storage Commitment, SR document; WorkList; MPPS; Query/Retrieve)
X-ray log	iRYS feature to associate exposure parameters with the X-ray images of each examination (exportable in PDF or CSV format)
MINIMUM SYSTEM REQUISITES	
Supported operating systems	Microsoft® Windows® 10. 11 Professional 64 bit
Processor	Intel Core i3 or higher
Hard Disk	100 GB SSD (250 GB recommended)
RAM	4 GB (8 GB recommended)
Graphics card	Discrete 3D Video Card or integrated GPU
Display settings	1920x1080 pixel 24-bit RGB Full HD
Power supply	Use a power adapter of a power suitable for the video card in use
Port	USB 2.0 or later versions

(*) values depend on the country where the product is marketed.

CE 0051



RX DC

X-ray unit
with HyperSphere technology

myray
new comfort
in digital imaging

www.my-ray.com

myray
new comfort
in digital imaging

cefla
Making Your Life Better.

BU Medical Equipment

Plant - Via Bicocca, 14/c - 40026 Imola - Bo (Italy) tel. +39 0542 653441 - fax +39 0542 653555
Headquarters - Cefla s.c. Via Selice Provinciale, 23/a - 40026 Imola - Bo (Italy) tel. +39 0542 653111 - fax +39 0542 653344
Cefla Medical North America
6125 Harris Technology Blvd. - Charlotte, NC 28269 - Ph: 704 598 0020 - www.ceflamedicalna.com - info@cefladental.com

FREE TO MOVE
Maximum freedom of movement with innovative ball joint (Patented).

SIMPLE AND IMMEDIATE: WIRELESS
The wireless remote controller lets the user control the device (by communicating with the X-ray tube) while enjoying full freedom of movement. Access to exposure programmes is provided via two simple settings. The large display shows the sequential exposure monitor and the patient exposure dose; moreover, the controller has a wireless X-ray **snapshot** button. Wireless device control allows fast, easy installation: no fixed control panels are required, thus providing greater freedom when positioning the X-ray unit.

RX DC
Hyper Technology.

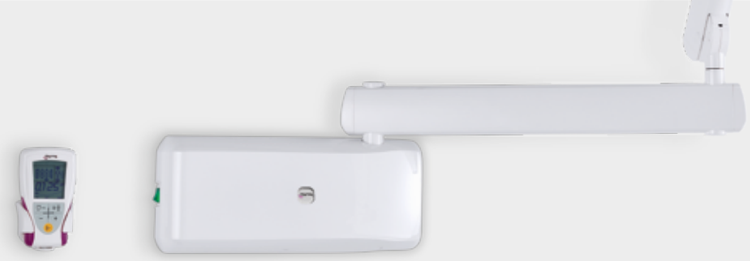
Innovative design, revolutionary ergonomics, advanced technology. RX DC - HyperSphere technology brings the best of DC X-ray units into your surgery.
MyRay, just right for you.

MAXIMUM FLEXIBILITY
The wireless remote controller, the multi-mode option and the 28 adjustment levels (depending on sensor sensitivity) ensure full adaptability whatever your operating requirements.

PRECISION X-RAY IMAGING
A constant potential head tube (8 mA) with a tiny focal spot (0.4 mm at 30 cm) produces optimal images under all circumstances.

INNOVATIVE ERGONOMICS
The RX DC unit features HyperSphere technology which, thanks to the full-swivel ball joint, can reach any position with ease.

COMPLETE RELIABILITY
Built from high quality materials and featuring a comprehensive array of equipment. Versatile and easy to install, this X-ray unit is reliable whatever the situation.



MECHANICAL RELIABILITY
The solid, light arms feature an effective, integrated self-balancing system that reduces any risk of tube head vibration during image acquisition.

Hyper Ergonomy.

RX DC - HyperSphere technology allows attainment of any position with ease thanks to the revolutionary ball joint. Outstanding ergonomics ensures all your diagnostic needs are met effortlessly.

HyperSphere technology gives the RX DC unit full rotation capability. The tube revolves freely around the joint, allow it to reach practically any position, including the vertical.
RX DC - HyperSphere technology also features an automatic touch-sensitive device for simple, efficient locking/release of the X-ray head tube so it can be repositioned effortlessly between one exposure and the next. Ergonomic zones on the sides of the head provide a firm grip for effective positioning.
Extensive positioning.

- electro-brake with touch-sensitive control
- infinite position range
- maximum versatility
- complete reliability

EASY TOUCH
Effortless locking, release and repositioning.

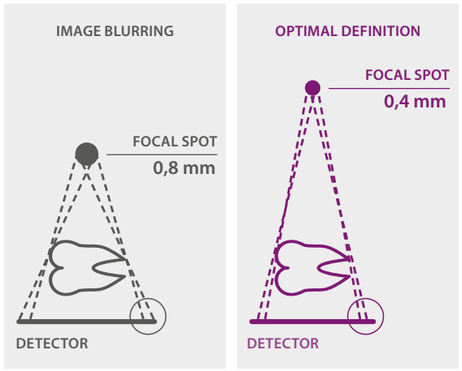
COMFORT POSITIONING
Two comfortable handles for a secure grip and the best possible positioning.

INFINITE POSITIONS, INFINITE DIAGNOSTIC CAPABILITY
Diagnosis with unlimited movement thanks to the revolutionary ball joint which allows simple yet precise head repositioning and effortless attainment of even the trickiest positions.

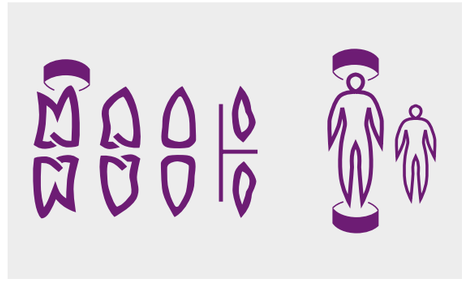
INSTALLATION VERSATILITY
The extruded aluminium arms - available in lengths of 40 cm, 60 cm and 90 cm to ensure outstanding installation versatility - are equipped with an integrated self-balancing system. Solid and light, they can be pointed in any direction and reduce any risk of tube head vibration during image acquisition.

Hyper Performance.

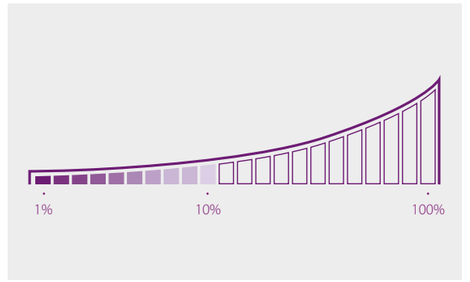
In RX DC - HyperSphere technology, advanced ergonomics, technological innovation and revolutionary design merge to provide users with ultra-sharp images.



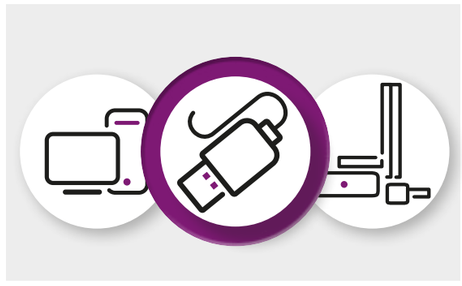
Sharp images at all times RX DC - HyperSphere technology provides your surgery with optimum X-ray quality whatever the type of sensor connected. Now even more powerful, with 70 kV and 8 mA, even more flexible and suitable for all commercially available sensors. The constant potential head tube, associated with the smallest intraoral imaging focal spot available (0.4 mm), ensures the best images whatever your diagnostic needs.
High definition diagnostic.



MULTI-MODE
Maximum flexibility to meet your diagnostic needs. Automatic parameter modulation ensures exposure power and time are always selected according to the patient's build and the specific region of investigation.

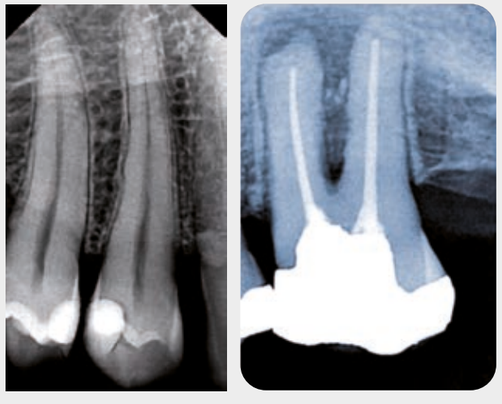


SEQUENCED EXPOSURE
The dynamic service cycle allows uninterrupted use of the RX DC, as in the case of systematic examinations, and real-time monitoring of tube head temperature on the large wireless controller display.



RX DC CONNECT (optional)
The RX DC X-ray unit can easily be connected to your PC via RX DC CONNECT.
Via the USB port, you can log the X-ray exposure dose data in digital format.
With iRYS you can add the image to the patient's record and the relative X-ray log.
Monitor the dose value over time, display and export to other applications via shareable file.

MAXIMUM QUALITY
With a tiny focal spot of 0.4 mm (at 30 cm), RX DC - HyperSphere technology produces sharp images under any condition.
The tube head is now even more powerful as it operates at 70 kV, 8 mA.
RX DC - HyperSphere technology gives your surgery the precision and quality of cutting-edge know-how.



MINIMUM DOSE
The constant potential high frequency (DC) generator reduces the most harmful low energy radiation that is characteristic of analogue (AC) generators: current is adjustable (from 8 mA to 4 mA), as are exposure times. Moreover, the long cone (30 cm) with incorporated rectangular collimator reduces the exposed surface area. This maximises image quality and safeguards patient and worker health.

INCLUDES

RECTANGULAR COLLIMATOR
Reduces the exposed body area and allows current to be adjusted from 8 mA to 4 mA.