

Portable High-frequency X-Ray Machine for Veterinary Use

Model: PX40V

Features:

- 1) Deft and concise
- 2) 6 periods of digital LED display
- 3) 48 kinds of presupposed anatomy memory pattern choices
- 4) Accuracy control method of simulation and double digital loop
- 5) High precision control of tube voltage, tube current
- 6) Failure self-protection, self-diagnosis

Optional:

- 1) Stand
- 2) Carrying Case
- 3) Flat Panel Detector (update to DR- digital x-ray)



DR(optional)

Specification:

Model	PX40V
Input power	Voltage: AC220V±22V, frequency: 50/60 Hz±1Hz; Power capacity: ≥5kVA; Inner resistance≤0.5Ω
Maximum output power	P =110kV×36mA=4kW
Nominal power	100kV, 40mA, 0.1s, 4kW
Frequency	≥40kHz
KV adjusting range	40kV~110kV, step of continuous adjustment is 1kV
mA adjusting range	Toshiba 60mA(15mA~60mA)
mAs adjusting range	1mAs-200mAs,shifted adjustment
S adjusting range	0.04s~3.2s
X-ray tube	Focus:0.6/1.5mm Anode heating capacity:76kHU
Anatomy program	48 kinds of memory choices
Size	290×260×230 mm
Weight	19kg
Accessories	Machine stand, carry suitcase
Machine frame	The highest size: 1060x790x2210mm The lowest size: 1060x790x1240mm Weight of machine frame: 25KG

Portable Digital X-Ray Machine for Veterinary Use

Model: DR-40V



Specification:

Input power	Voltage: AC220V±22V Frequency: 50/60Hz±1Hz
Maximum output power	4kW
Nominal power	100kV, 40mA, 0.1s, 4kW
kV adjusting range	40kV~110kV, Continuous adjustment step 1kV
mA adjusting range	36mA~60mA
mAs adjusting range	1mAs-190mAs, Shifted adjustment
s adjusting range	0.04s~3.2s
X-ray tube	Brand: Toshiba Focus: 0.6/1.5mm; Anode heat capacity: 76kHU
Flat panel detector	iRay 17*17 inch
Laptop computer	Brand: Lenovo CPU: Intel Core i5 Memory capacity: 4GB Screen size: 14 inch
Anatomy program	48 kinds of memory choices
X-ray machine size	290×260×230mm
Weight	100kg
Standard accessory	Hand switch, remote control, carrying case, trolley.

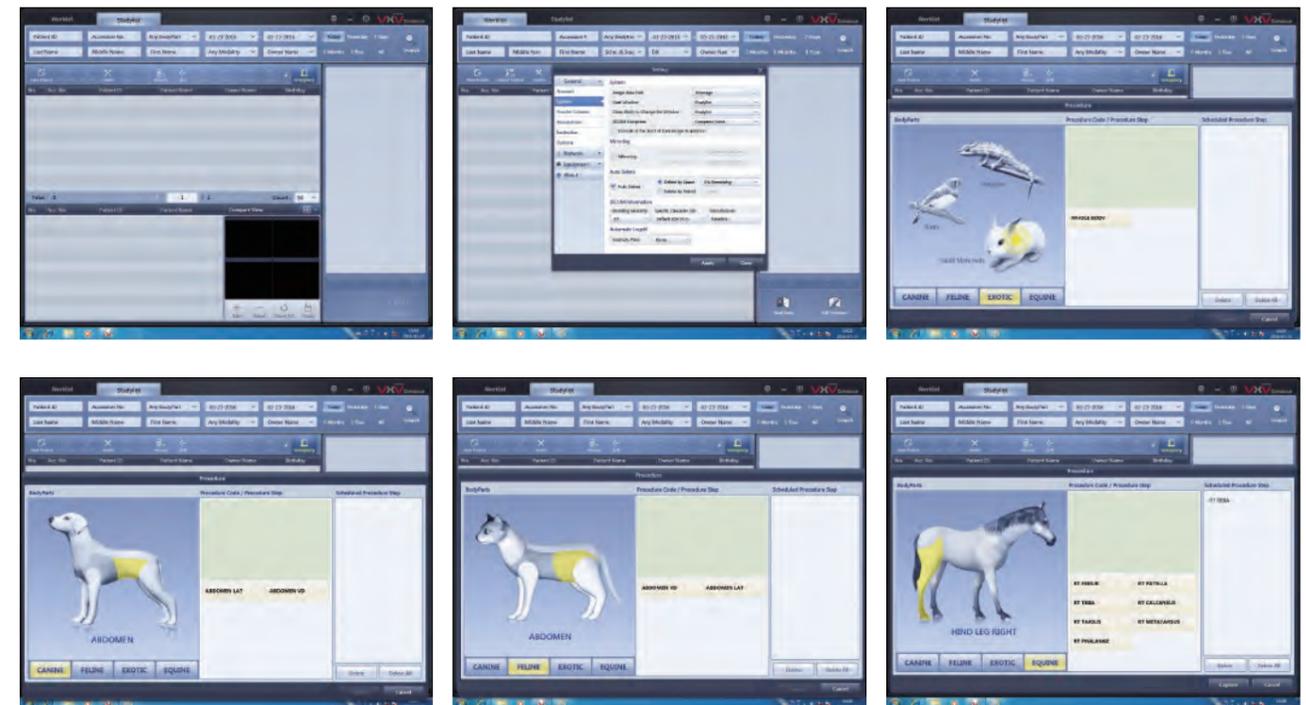
Contents:

Main components	Name of components	Model/specification	Quantity
DR system	Portable x-ray machine	DR-40V	1 set
	Digital detector	iRay (17x17 inches)	1 set
	Laptop computer	Lenovo	1 set
	DR image processing software for pet		1 set
Accessory	Trolley	F1	1 set
	Carrying case		1 set

Application:

DR-40V portable digital X-ray machine is designed to produce super quality digital images for all large animals like equine, companion animals like dogs or cats, exotic and mixed animals, etc.

Veterinary Software Performance:



Trolley

Carrying case

50mA High Frequency Mobile X-ray Machine

Model: MX101

Features:

- 1) Using ergonomic design, the structure is of compact appearance, convenient operation
- 2) With high frequency inverter to emit high quality X-ray and low dose on skin, and ensure excellent definition and contrast of pictures
- 3) With techniques of KV analog closed loop control, mAs digital closed loop control and micro-processing real-time control to ensure precision and repeatability of the dose
- 4) With kv, mAs two button adjustment, LCD display, multifunction of safety guard
- 5) With 50 preset exposure programs, and can be modified and stored by the user for convenient operation
- 6) With a high-quality knockdown X-ray generator to reduce irradiation, it is much safer to environment and operators.
- 7) With a symmetrical beam applicator to adjust the X-ray field, and a collimator lamp to locate the field, so that accurate radiograph can be ensured.
- 8) Manual control and remote control are used to expose. Wireless remote exposure control can penetrate barriers, which makes operation more convenient



Specifications:

Power Output: 2.5KW
 Main Inverter frequency: 50KHz
 X-ray Tube: fixed anode focus: 1.5 (X-ray tube for high frequency)
 Tube Voltage: 40~100KV (interval 1KV)
 Tube Current: 25mA~50mA
 mAs: 1.0~160mAs (45steps)
 Power Supply: 220V/50Hz, or 110V/60Hz Inner-resistance $\leq 1.0\Omega$
 Operation Method: Wire/wireless control

Application:

MX101 is combined high-frequency X-ray photography diagnostic equipment, which is used in radiology, orthopedics, wards, emergency rooms, operating rooms, and ICU, etc. It is mobile X-ray which can make radiography on animal body, such as head, limbs, chest and spine.

63mA High Frequency Mobile X-ray Machine

Model: MX101A

Features:

- 1) With compact appearance, flexible movement
- 2) With high frequency inverter to emit high quality X-ray and low dose on skin, and ensure excellent definition and contrast of pictures
- 3) With techniques of KV analog closed loop control, mAs digital closed loop control and micro-processing real-time control to ensure precision and repeatability of the dose
- 4) With kv, mAs two button adjustment, LCD display, multifunction of safety guard
- 5) With 50 preset exposure programs, and can be modified and stored by the user for convenient operation
- 6) With a high-quality knockdown X-ray generator to reduce irradiation, it is much safer to environment and operator
- 7) With fault automatic protection setting and fault alarming display
- 8) The system can keep parameters automatic, in case losing data
- 9) With a rotating beam limiting device to adjust the X-ray field and angle, so it can ensure accurate radiography results
- 10) With dual safety locking functions in rocker, so it's safe to use
- 11) With cassette storage box, it's convenient for medical staff
- 12) Manual control and remote control are used to expose. Wireless remote exposure control can penetrate barriers, which makes operation more convenient.



Specifications:

Power Output: 3.5KW
 Main Inverter frequency: 50KHz
 X-ray Tube: fixed anode focus: 1.5 (X-ray tube for high frequency)
 Tube Voltage: 40kV~110KV (interval 1KV)
 Tube Current: 20mA~63mA
 mAs: 1.0~125mAs (43steps)
 Power Supply: 220V/50Hz, or 110V/60Hz Inner-resistance $\leq 1.0\Omega$
 Operation Method: Wire/wireless control

Application:

MX101A is combined high-frequency X-ray photography diagnostic equipment, which is used in radiology, orthopedics, wards, emergency rooms, operating rooms, and ICU, etc. It is mobile X-ray which can make radiography on animal body, such as head, limbs, chest and spine.

100mA High Frequency Mobile X-ray Machine

Model: MX101C

Features:

- 1) With compact appearance, flexible movement
- 2) With high frequency inverter to emit high quality X-ray and low dose on skin, and ensure excellent definition and contrast of pictures
- 3) With techniques of KV analog closed loop control, mAs digital closed loop control and micro-processing real-time control to ensure precision and repeatability of the dose
- 4) With kV, mAs two button adjustment, LCD display, multifunction of safety guard
- 5) With 50 preset exposure programs, and can be modified and stored by the user for convenient operation
- 6) With a high-quality knockdown X-ray generator to reduce irradiation, it is much safer to environment and operator
- 7) With fault automatic protection setting and fault alarming display
- 8) The system can keep parameters automatic, in case losing data
- 9) With a rotating beam limiting device to adjust the X-ray field and angle, so it can ensure accurate radiography results
- 10) With high kV function, it has wide using range and good effect of photography
- 11) Manual control and remote control are used to expose. Wireless remote exposure control can penetrate barriers, which makes operation more convenient.



Specifications:

Power Output: 5KW
 Main Inverter frequency: 50KHz
 X-ray Tube: fixed anode focus: 1.5 (X-ray tube for high frequency)
 Tube Voltage: 40kV~120KV (interval 1KV)
 Tube Current: 25mA~100mA
 mAs: 1.0~180mAs (46 steps)
 Power Supply: 220V/50Hz, or 110V/60Hz Inner-resistance $\leq 1.0\Omega$
 Operation Method: Wire/wireless control

Application:

MX101C is combined high-frequency X-ray photography diagnostic equipment, which is used in radiology, orthopedics, wards, emergency rooms, operating rooms, and ICU, etc. It is mobile X-ray which can make radiography on animal body, such as head, limbs, chest and spine.

50mA Mobile X-ray

Model: MX102

Features:

- 1) Using ergonomic design, the structure is of compact appearance, convenient operation.
- 2) It adopts high pressure-resistant electrical tube with enough kV and mA, so the definition and contrast of the machine are good.
- 3) With combined X-ray generator, the tube and rocker can move up and down freely. So the patient can take photography in a wider range of direction.
- 4) Because of symmetrical adjustable beam limiting device with light source, the x-ray beam can be adjusted according to demands.
- 5) X-ray generator is matched with protective stereotype inside, and 10 meters wireless remote control exposure is adopted, so it causes less hurt to the operators and environment.
- 6) The current has three gears (15mA, 30mA, 50mA), different current can be selected according to different photography requirements, thus using range of machine is wider.
- 7) Anti-electric shock, anti scattering and full-wave rectifier
- 8) The electric performance is stable and reliable. Multi-protections are adopted to prevent over-voltage, over-current and output overload etc., so it's safer.
- 9) Telescopic vertical rotating angle is larger than 60°.



Specifications:

Output power	3KW
X-ray tube	Fixed anode Max height: $\geq 1750\text{mm}$, Min height: $\leq 500\text{mm}$ Rotate around horizontal axis 180° Rotate around vertical axis $\pm 90^\circ$
Rectifier method	Full-wave rectifier
Tube voltage	40~90kV 9 steps
Tube current & Photography time	50~90kV 15mA 0.1~6.3s 50~90kV 30mA 0.1~6.3s 40~80kV 50mA 0.1~1.5s
Power supply	220V /50Hz or 110V/60Hz, Inner resistance $\leq 1.0\Omega$
Operation methods	Wire control/wireless control (10m)

Application:

This mobile X-ray radiography medical diagnostic equipment can be used in wards, operation rooms and emergency rooms etc., and it can satisfy the radiography requirements of animal body such as head, chest and limbs.

200mA High Frequency X-ray

Model: HX200

Features:

- 1) It is installed with close-table graphical colorful LCD touch screen and wireless remote control exposure, which makes the operator easy to use.
- 2) We incorporate the latest compact high-frequency and high-voltage X-ray generator, which ensure superior image quality, while the skin dose is low, to protect the patient better.
- 3) Adopt the technology of kV and mAs numeral closed loop control, real-time control of the microprocessor, which ensures the accuracy and repeatability of the output dose.
- 4) Be equipped with radiography parameter of multi-part, multi-posture, multi-body, adult-child physical characteristic, the operator can modify and save the parameter by himself, which makes the operation more conveniently.
- 5) First high power combined high frequency high voltage X-ray source and high frequency inverter power supply, which can reduce energy loss from outside HV generator and cable. It makes good quality X-ray, beautiful appearance and convenience.
- 6) Possess multiple automatic protection and fault clue function, which makes the operation safer and more reliable.
- 7) The radiography table can float in any direction, electromagnetic braking, position the patient more convenience and accuracy.
- 8) X-ray generator component can move round the axis of X-ray generator, cross arm and Pillar stand, be convenient with side and slanting direction projection and radiography of patient on the stretcher.
- 9) Be equipped with the chest stand, which is used in the radiography of the head, chest, belly, pelvic cavity, backbone and periphery.
- 10) Control console of graphic program controlled LCD touch screen is optional, which can set the radiography parameter and exposure in another room.



Specifications:

Output power:15kW
 Main inverter frequency:40kHz
 X-ray tube:Rotary anode, dual-focus, large focus: 0.6mm, small focus: 0.3mm, Anode thermal capacity: 212kJ (300kHu) Tube thermal capacity: 900kJ (1200kHu)
 Rotary anode speed:3000rpm
 Tube current:200mA
 Tube voltage:40kV-125kV
 mAs:0.4-360mAs
 Table radiography grids:Grid density:103L/INCH; Grid ratio:10:1; Focusing distance:120cm; Stationary type:15"×18"
 Chest stand radiography grids:Grid density:103L/INCH; Grid ratio:10:1; Focusing distance:150cm; Stationary type:18"×18"
 Power supply:220V 50Hz, Capacity: ≥20kVA
 Operation method:close-table graphic program controlled LCD touchable screen operation; wireless remote control exposure

Structural Performance:

Table size:2000×760mm
 Table height:≤700mm
 Table transverse movement:≥210mm
 Table longitudinal movement:≥650mm
 Grids cassette holder movement:≥560mm
 X-ray tube assembly center rotation:≥±90°
 Rotation of the pillar:4×90°
 Axial rotation:0-35°
 SID:450-1200mm
 Pillar movement along the table:≥1370mm
 Limited time of analog light beam opening:About 30s
 Film size:5"×7"-14"×17"(Table radiography)
 Film size:5"×7"-17"×17"(Chest stand radiography)
 Chest stand up and down movemet:472~1470mm

Veterinary Digital X-Ray System

Model: DR-60A(V), DR-60B(V)

Features:

- DR-60A(V) Portable DR
- 1) 5.6kW high power generator, meets thick position demand.
 - 2) Large capacity lithium battery ensures long standby and multiple exposure.
 - 3) Touch screen interface with APR setting, makes more easily operation.
 - 4) Wireless flat panel detector and computer workstation, makes freely position.
 - 5) Integrated suitcase package is easy to transport and carry.

DR-60B(V) Integrated DR

- 1) Integrated design, high power, small size.
- 2) AC&DC power supply, meets multi-application scenes of radiography.
- 3) Touch screen operation makes visual more intuitive.
- 4) Lithium battery, fast charging, high efficiency, light weight (optional)

Specifications:

Main Component	Specification	
Flat Panel Detector	X-ray Sensitive Area	14x17 inch
Generator	Standard Power	5.6kW
	kV Range	10-125kV
	mA Range	10~100mA
	mAs Range	0.1~200mAs
X-ray Tube	Anode Heat Content	42kHu
Collimator	Tube Tilting Angle	1mm Al/70Kv
Touch Screen	Dimension	8-inch
Main Unit	Weight	18kg
	Dimension	44x24x23.6cm (LxWxH)
Trolley	Maximum Expansion	90x75x202cm (LxWxH)
	Fold Dimension	105x40x40cm (LxWxH)
Trolley Case	Dimension	106x50x50cm (LxWxH)
Battery		Rechargeable lithium battery
X-Ray Table	Table Surface	121x61cm (LxW)
	Table Movement Range	Horizontal: 20cm, Longitudinal: 10cm
	Dimension	120x87.5x200cm (LxWxH)

Configurations:

DR-60A(V)
 5.6KW generator, 8-inch touch screen, 14x17 inch wireless FPD detector, Collimator, Operating software, Laptop computer, Trolley, Remote control & hand switch control exposure, Carrying case, Built-in Li-battery.

DR-60B(V)
 5.6KW generator, 8-inch touch screen, Toshiba 17x17 inch wired FPD detector (Japan), Collimator, Operating software, Tabletop computer, Remote control & hand switch control exposure, Radiography table.



Veterinary Digital X-Ray System

Model: DR-400

Features:

- DR-400 400mA, 32kW
- 1) Soft touch user panel.
 - 2) Digital display of kV, mAs and time.
 - 3) High frequency inverter type generator.
 - 4) Overload protection for kV, mA, Time and Temp.
 - 5) Self-manageable APR function with memory keys

Configurations:

DR-400 400mA, 32kW
400mA, 32kW generator, LCD touch-screen Console, Collimator, X-ray tube, Animal table, JPI grid, Flat panel detector, Imaging workstation computer and LCD monitor



Specifications:

Main Component	Specification	
Generator	Maximum output power	32kW
	Range of tube current	32~400mA
	mAs range	0.32~400mAs
	Tube voltage range of radiography	40kv~125kv
	Loading time	10~5000ms
X-ray Tube	Input voltage range	AC 220V±22V
	Small focus	1.0mm
	Large focus	2.0mm
Bed	Anode speed	2800r/min
	Size	140cmx70cmx85cm (LxWxH)
JPI Grid	Size	18"x18"
	Grid ratio	10:1
	Grid density	40 L/cm
	Focusing distance	150cm
Flat Panel Detector	Material	CSI
	Scanning Area	17*17 inch
	A/D Conversion	16 Bit
	Total Pixel matrix	3,328(h)x3,328(v) (11million pixels)
	Pixel Size	127µm
Workstation and LCD Monitor	Image Preview Time	Not more than 2s
	CPU	≥2.8GHz
	Memory	4GB
	Disk Capacity	500GB
	Medical LCD	19"LCD
	Function	Image acquisition, image zoom, image brightness adjustment, image contrast adjustment, image rotation, image rollovers
	Output	100M network interface, Dicom 3.0 image transmission, query, editing and print, etc
Management	DR system to manage pets and image information	

High frequency Mobile C-arm System

Model: CX112B

Features:

- 1) With unique base electric auxiliary support arm design, so it's safer.
- 2) A unique hand-held controller design, which can control parameter set, equipment movement and radiation field, so the operation is more convenient
- 3) With high-quality Combination high frequency high-voltage X-ray generator, it can greatly reduce the amount of X-ray irradiation.
- 4) With a perspective KV, MA automatic tracking feature, so that the image brightness, sharpness automatically in the best condition
- 5) Adopting imported image intensifier, the quality is stable and reliable, and the image is of good clarity.
- 6) With medical progressive output high-resolution television system, it can store 8 images, the image is clearer, and easier to use



Specifications:

Category	Items	Content
Electrical performance	High frequency inverter power supply	Power: 5.0kW Main inverter frequency: 40kHz
	Perspective max rated capacity	Tube current: 30mA Tube voltage: 120kv
	Automatic fluoroscopy	Tube voltage: 40kv~120kv, adjust automatically Tube current: 0.3mA~4mA, adjust automatically
	Manual fluoroscopy	Tube voltage: 40 kv~120kv, continuous Tube current: 0.3mA~4mA, continuous
	Pulse fluoroscopy	Tube voltage: 40 kv~120kv, continuous Tube current: 0.3mA~30mA, continuous
	Photography tube voltage, mA	40KV~120KV, 25mA~100mA
	Plate holder size	200mmx250mm(8"x10") or 250mmx300mm(10"x12")
X-ray tube	X-ray tube special for high frequency	Fluoroscopy focus:0.3 /1.5 thermal capacity: 500kJ (666kHu)
Imaging system	Image intensifier	Imported 9 inch image intensifier
	CCD photography	Imported medical ultra-low illumination CCD radiography
	Monitor	Center definition is 1000 lines and frequency for picture refresh is 75Hz.
Structure and performance	CCU (central control)	HD progressive output, continuous adjustable recursion, many images storage, upright image, horizontal image, positive & negative image, image patching, LIH(last image freeze), OSD (monitor display).
	Direction wheel and main wheel	Direction wheel can rotate in any direction, and main wheel can rotate in ±90°.
Structure and performance	C-arm	The up and down electrical stroke of pillar is 400mm. Forward and backward movement:200mm; Revolution around horizontal axis : ±180°; Revolution around vertical axis: ±15°, distance from focus to screen: 960 mm; C-arm open distance: 760mm C-arm arc depth: 640mm; Slipping on orbit : 120°(+90°~-30°)

Application:

Orthopedics: restore bone translocation, reset, fixing
Surgery: taking foreign bodies out of the body, cardiac catheterization, implantable pacemakers, interventional treatment, some of angiography and local photography etc.

X-ray Film Processor

Model: FP-14, FP-14A, FP-17, FP-17A



Features:

- 1) Widely applicability
Medical diagnosis: suitable for rinsing various models of the X-ray, CT, MRI and so on;
Experiment fields: developing various specifications films.
- 2) Microcomputer control system:
Knob control panel, accurately control temperature and speed of the machine.
LCD control panel, entire Chinese menu, large LCD screen clearly indicates the data of rinsing, and detect faults automatically.
- 3) Unique design for channel
Detailed operations: developing fixing rinsing and drying.
Prevent the soup to be cross contamination, improve the cyclic utilization of the soup effectively.
- 4) Anti-oxidation and anti-crystallization configuration
Prevent the liquid from oxidation effectively, so as to get high-definition images.
- 5) High-density roller packed together
Guarantee transporting the film safely and easy to clean.
- 6) Non-contact guiding film transporting system
Prevent slur and scratch happen on the film.
- 7) High-efficiency air drying system
Knob switch and LCD control panel can adjust temperature according to your own requirements. Even flash drying, you can also get high-definition images.
- 8) High speed on rinsing
In theory, the film processor can develop 220 sheets per hour ,it can meet your requirements.
- 9) High standard and high economic
Control the temperature accurately, the temperature error is lower than 0.3degree, reduce water and electricity consumption.
- 10) Convenient and practical appearance design
Detachable side panel: easy to debug and maintain the machine.

Specifications:

Model	FP-14	FP-14A	FP-17	FP-17A
Rinse Width	Min.4**4" Max.14**17"	Min.4**4" Max.14**17"	Min.3**6" Max.14**17"	Min.4**4" Max.14**17"
Process time	105/135/165 secs whole 25/35/45secs Dev. time	90-250 secs whole 20-60 secs Dev. time	105/135/165 sec whole 25/35/45sec Dev. time	90-250 secs whole 20-60 secs Dev. time
Dev. Capacity	80 films/h (14**17"); 145 films/h (10**12")	105 films/h (14**17"); 165 films/h (10**12")	90 films/h (14**17"); 145 films/h (10**12")	115 films/h (14**17"); 165 films/h (10**12")
Dev. temp.	28-37 °C(±0.3°C)	20 -40°C(±0.3°C)	Adjustable 28-37 °C(±0.3°C)	Adjustable 20-40 °C(±0.3°C)
Dryer temp.	40-65 °C	40-65 °C	40-65 °C	40-65 °C
Channel Volume	5.2 litres	5.2 litres	8.2 litres	8.2 litres
Washing Control	Water 2~8L/min when rinsh	Water 2~8L/min when rinsh	Water 2~8L/min when rinsh	Water 2~8L/min when rinsh
Replenishment	Auto. /manual 20~200ml/for 0.5s. Q. M	Auto. /manual 20~200ml/for 0.5s. Q. M	Auto. /manual 20~200ml/for 0.5s. Q. M	Auto. /manual 20~200ml/for 0.5s. Q. M
Power Supply	220V/50Hz, 110V/60Hz	220V/50Hz, 110V/60Hz	220V/50Hz, 110V/60Hz	220V/50Hz,110V/60Hz
Packing Size	1110*750*720mm; G.W:100KG	1110*750*720mm; G.W:100KG	1110*810*720mm; G.W:110KG	1110*810*720mm; G.W:110KG

Protective Mask

Model: PD11



Protective Mask

Model: PD11-2



Protective Mask

Model: PD12



Veterinary Lead Gloves

Model: PA13



Lead Rubber Jacket
Model: PC01



Lead Rubber Jacket
Model: PA01



Lead Apron Set
Model: PC06-PA06



Lead Coat Apron
Model: PC03-PA03



Lead Vest
Model: PA04



Lead Vest
Model: PC04



Lead Vest Apron
Model: PC05-PA05



Lead Apron
Model: PC07-PA07

