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#453575083500 REV. C 01/2013



Dunlee Product Book

Complete Selection.
Complete Support

CT Tubes
Radiographic Tubes
Image Intensifiers
Camera Tubes
High-Voltage Cables
Power Supplies

DUNLEE

#453575083500 REV. C 01/2013

800.238.3780 (USA and Canada) 630.585.2100 www.dunlee.com

About Dunlee...

Zeroing in on your glassware needs.

The most complete tube supplier in the industry is doing more than ever before to meet your replacement needs. In addition to our comprehensive portfolio of CT and X-Ray replacement tubes, we offer an extensive line of Image Intensifiers, High-Voltage Cables, Camera Tubes, and Imaging-Related components.



Dunlee Sales, Service, and Manufacturing Locations

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Philips/Dunlee Sales Office - Asia

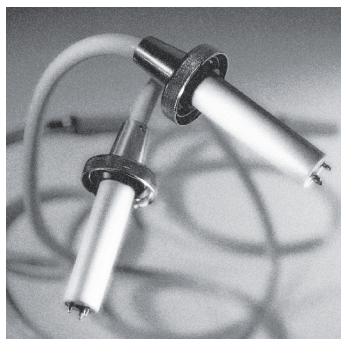
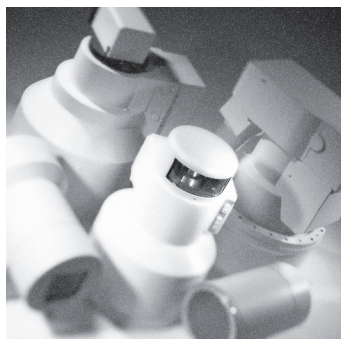
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Dunlee Locations.....	2
CT Tubes	5-13
General Electric	5-7
Philips	7
Picker/Marconi/Elscint.....	8-10
Shimadzu	11
Siemens	11
Toshiba	12
OEM.....	13
Image Intensifiers and Power Supplies	14-17
6" Image Intensifiers	14
9" Image Intensifiers	14-15
12" Image Intensifiers.....	15
14 -16" Image Intensifiers	16
Power Supplies	17
Radiographic Tubes.....	18-27
PX 1300 Series	18
PX 1400 Series	19-20
DA 10 Series	19-22
DR 1400 Series	22
General Electric.....	23-24
Philips	24
Siemens	25
Varian	26-27
Toshiba	27
Camera Tubes and Systems	28-31
Resistron	28
Saticon	28
Plumbicon	28-29
Vidicon	29
Newvicon	29
CCD Camera Systems	30
6" Optical Distributors.....	31
9" Optical Distributors	31
12" Optical Distributors	31
16" Optical Distributors.....	31
High-Voltage Cables & Adapters	32-33
Federal Standard HV Cables	32
Federal Standard Field Termination Kits	33
Special Purpose HV Cables	33
CT Cross Reference Guide	34-39
Dunlee Tube Return Policy	40

Please visit the Dunlee website at www.dunlee.com to learn more about Dunlee and our products. We also have available online the latest technical data specifications and contact information, as well as all the information you need to become one of Dunlee's valued customers. At www.dunlee.com you will find the following and more:

- X-Ray and CT Tube Technical Data Specifications
- Customer Application
- Credit Application
- Letter of Credit Instructions
- Wire Transfer Instructions
- Tube Return Form
- Warranty
- Technical Resources

Note: Distribution of products may be restricted.
Information provided within is subject to change without notice.

When placing a tube order, please be ready to specify the tube type, cable terminal angle, and stator type. Applicable published warranty in effect on shipping date will apply. Dunlee reserves the right to make changes to prices and warranty without notice.

To place an order contact Dunlee customer service @ 1.800.238.3780
(USA and Canada) 630.585.2100 or fax a purchase order to 630.585.2125

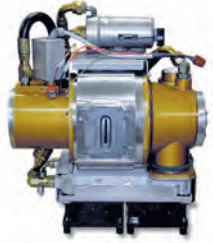


Smit Röntgen, a division of Philips Healthcare, has been manufacturing quality fiber-interspaced grids for medical X-ray applications for 80 years. They offer a wide variety of sizes, shapes and line/pair configurations. Fiber-interspaced grids are well known to offer radiation dose reductions of up to 40% over that of non-fiber interspaced grids. If you need grids for digital radiography, mammography, surgical c-arm or CT, Smit Röntgen offers the right grid for the right application. **Call us at:**
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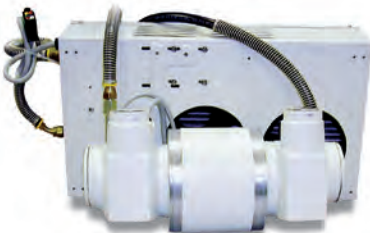


Scanner Manufacturer	Tube Type	Ordering No. 9896055	Focal Spot	Target Angle	kHU	Warranty
General Electric						
	Reevo 240G This 8.0 MHU CT tube is designed as a replacement for use in GE LightSpeed VCT, LightSpeed VCT Select, LightSpeed RT16, LightSpeed Xtra, LightSpeed Pro16, Discovery VCT Replaces D3193T/D3194T	- 96401	0.7 x 0.5 0.9 x 0.9	7°	8,000	12 months or 6 K patient exams
	DA 200 ULTRA DA 200 BrightSpeed This 6.3 MHU CT tube is designed as a replacement for use in GE LightSpeed 16, LightSpeed VFX Plus, LightSpeed VFX Ultra, LightSpeed RT, BrightSpeed Elite, BrightSpeed Ecel, Discovery ST, and Discovery LS	- 88704 - 88705	0.7 x 0.6 0.9 x 0.9	7°	6,300	Ultra 12 months or 70K amp seconds BrightSpeed 12 months or 6K patient exams
	DA 200 Pro This 6.3 MHU CT tube is designed as a replacement for use in GE HiSpeed NX/i Pro and HiSpeed ZX/i Replaces D3152T	- 88401	0.7 x 0.5 0.9 x 0.9	7°	6,300	NX/i Pro 12 months or 15K amp seconds ZX/i 12 months or 10K slices
	DA 200 This 6.3 MHU CT tube is designed as a replacement for use in GE HiSpeed CT/i Replaces D3132T	- 87504	0.7 x 0.6 0.9 x 0.9	7°	6,300	12 months or 100K slices
	DA 200 This 6.3 MHU CT tube is designed as a replacement for use in GE LightSpeed QX/i. Replaces D3176T	- 87505	0.7 x 0.6 0.9 x 0.9	7°	6,300	12 months or 30K amp seconds
	HiSpeed DA 165 This 3.5 MHU CT tube is designed as a replacement for use in GE HiSpeed Advantage and GE CT/i CT systems Replaces D3102T	- 82600	0.9 x 0.7 1.2 x 1.2	7°	3,500	140K

Scanner Manufacturer	Tube Type	Ordering No. 9896055	Focal Spot	Target Angle	kHU	Warranty
General Electric						
	Solarix DA 165NP / MX 165NP This 3.5 MHU CT tube is designed as a replacement for use in GE HiSpeed FX/i, LX/i, DX/i, and NX/i CT systems Replaces D3142T	- 83901 - 83900	0.9 x 0.7 1.2 x 1.2	7°	3,500	140K
	ProSpeed DA 165PS / MX 165PS This 3.5 MHU CT tube is designed as a replacement for use in GE ProSpeed CT systems. Replaces D3112T	- 82901 - 82900	0.9 x 0.7 1.2 x 1.2	7°	3,500	120K
	Pegasus DA 135 CT/e / MX 135 CT/e This 2.0 MHU CT tube is designed as a replacement for use in GE CT/e and CT ProSpeed Ai systems. Replaces D3162T	- 80800 - 80801	0.7 x 0.6	7°	2,000	80K
	HiLight Advantage DA 135 / MX 135 This 2.0 MHU CT tube is designed as a replacement for use in GE HiLight Advantage and 9800 HiLight Advantage CT systems. Replaces D3302T/3203T	- 80100 - 80500	0.7 x 0.6	7°	2,000	80K
	Sytec MX 135 Venus SR/i This 2.0 MHU CT tube is designed as a replacement for use in GE CT systems. Replaces D3122T	- 77510	0.7 x 0.6	7°	2,000	80K
	Sytec Pace DA 115 / MX 115 This 1.5 MHU CT tube is designed as a replacement for use in GE Sytec/Pace CT systems. Replaces D3302T	- 83700 - 83500	0.7 x 0.4	9°	1,500	80K

Scanner Manufacturer	Tube Type	Ordering No. 9896055	Focal Spot	Target Angle	kHU	Warranty
General Electric						
	CT MAX DA/MX 100 This 400 KHU CT tube is designed as a replacement for use in GE CTMAX I, CTMAX II, CTMAX 640, CTMAX 320, and Sytec 1800i systems. Replaces D3502T/3512T	- 82700 - 82500	0.6	6.5°	400	40K
Philips						
	B 220 Philips DA 220 Philips This 2.0 MHU CT tube is designed as a replacement for use in Philips Tomoscan SR6000 and LX CT systems. This product replaces OEM insert GS-2070	- 82402 - 89500	0.7 x 0.8 1.2 x 1.4	7°	2,000	50K
	B 180 Philips DA 180 Philips This 1.5 MHU CT tube is designed as a replacement for use in Philips Tomoscan CX and TX CT systems. This product replaces OEM insert GS-1580	- 82302 - 88500	0.8 x 1.5 1.5 x 2.4	10°	1,500	50K

Scanner Manufacturer	Tube Type	Ordering No. 9896055	Focal Spot	Target Angle	kHU	Warranty
Picker/Marconi/Elscint						
	CTR 1792 RGQ (Rhino 6.5) This 6.5 MHU CT tube is designed as a replacement for use with Picker/Marconi PQ CT systems.	- 94811	0.4 x 0.7 0.6 x 1.3	7°	6,500	120K
	CTR 1790 RGQ (Rhino 5) This 5.0 MHU CT tube is designed as a replacement for use with Picker/Marconi PQ CT systems.	- 94807	0.4 x 0.7 0.6 x 1.3	7°	5,000	100K
	CTR 1791 RGQ (Rhino 4) This 4.0 MHU CT tube is designed as a replacement for use with Picker/Marconi PQ CT systems.	- 94809	0.4 x 0.7 0.6 x 1.3	7°	4,000	80K
	CTR 1590RC This 2.0 MHU CT tube is designed as a replacement for use in Picker/Marconi PQ CT systems.	- 94702	0.4 x 0.9 0.6 x 1.45	10°	2,000	80K
	CTR 1563RC CTR 1563RCPN This 2.0 MHU CT tube is designed as a replacement for use in Picker/Marconi PQ CT systems.	- 94701 - 87900	0.4 x 0.9 0.6 x 1.45	10°	2,000	50K

Scanner Manufacturer	Tube Type	Ordering No. 9896055	Focal Spot	Target Angle	kHU	Warranty
Picker/Marconi/Elscint						
	CTR 1569RC This 2.0 MHU CT tube is designed as a replacement for use in Picker/Marconi IQ, Premier, Xtra, and IQ Xtra T/C (Upgrade) systems. (Used with 60 Hz power.)	- 94602	0.7 x 1.4	10°	2,000	50K
	CTR 1568RC CTR 1568RCPN This 2.0 MHU CT tube is designed as a replacement for use in Picker/Marconi IQ, Premier, Xtra, and IQ Xtra T/C (Upgrade) systems. (Used with 50 Hz power.)	- 94603 - 82100	0.7 x 1.4	10°	2,000	50K

Scanner Manufacturer	Tube Type	Ordering No. 9896055-	Focal Spot	Target Angle	kHU	Warranty
Picker/Marconi/Elscint						
	GS-6079 This 7.0 MHU CT tube is designed as a replacement for use in Elscint Twin, Flash and RTS CT Systems.	- 70910	0.8 x 1.5 1.5 x 1.5	7°	7,000	100kss
	GS-5079 This 5.0 MHU CT tube is designed as a replacement for use in Elscint Helicat II, Flash and CT Twin II CT Systems.	- 70110	0.8 x 1.5 1.5 x 1.5	7°	5,000	300kss
	GS-1584 This 1.5 MHU CT tube is designed as a replacement for use with Elscint Select CT Systems.	- 70510	0.8 x 0.9	10°	1,500	50K
	GS-1089 This 1.0 MHU CT tube is designed as a replacement for use in Elscint 1800, 2000, and Sprint CT Systems.	- 70610	1.3 x 1.6	10°	1,000	50K

Scanner Manufacturer	Tube Type	Ordering No. 9896055-	Focal Spot	Target Angle	kHU	Warranty
Shimadzu						
	DA 240 Shimadzu This 3.5 MHU CT tube is designed as a replacement for use in Shimadzu SCT 6800 series and SCT7000 series CT systems. This product replaces OEM insert GS-3075	- 86601	0.7 x 1.2 1.2 x 1.5	7°	3,500	100K
	B 220 Shimadzu DA 220 Shimadzu This 2.0 MHU CT tube is designed as a replacement for use in Shimadzu series: SCT3000 TX/C, 4000, 5000, 6000, and 7000 CT systems. This product replaces OEM insert GS-2075	- 89600 - 82403	0.7 x 1.2 1.2 x 1.5	7°	2,000	50K
	B 180 Shimadzu DA 180 Shimadzu This 1.5 MHU CT tube is designed as a replacement for use in Shimadzu systems: SCT3000, SCT4000, SCT5000, SCT4500, and SCT4800 TE. This product replaces OEM insert GS-1585	- 82303 - 88600	0.8 x 1.5	10°	1,500	50K
Siemens						
	S 502 Siemens This 5.3 MHU CT tube is designed as a replacement for use in Siemens Somatom Plus 4 Power and Expert series CT systems. Replaces 2842040	- 95001	0.6 x 0.5 0.8 x 1.1	7°	5,300	130kss
	S 532B/Akron B This 5.3 MHU CT tube is designed as a replacement for use in Siemens SOMATOM Volume Zoom*, Volume Access, and the Sensation 4 systems. Replaces 4791005	- 95702	0.5 x 0.7 0.8 x 1.2	7°	5,300	150kss
	S 532Q/Akron Q This 5.3 MHU CT tube is designed as a replacement for use in Siemens Sensation 10/16/Cardiac Systems. Replaces 7393148	- 95902	0.5 x 0.7 0.8 x 1.2	7°	5,300	120kss

Scanner Manufacturer	Tube Type	Ordering No. 9896055-	Focal Spot	Target Angle	kHU	Warranty
Toshiba						
	DA 240 Toshiba This 3.5 MHU CT tube is designed as a replacement for use in Toshiba TCT 900SX series, Xvision, and Xpress series CT systems. Replaces GS-3078	- 86602	1.1 x 1.1 1.7 x 1.7	7°	3,500	100K
	B 220 Toshiba DA 220 Toshiba This 2.0 MHU CT tube is designed as a replacement for use in Toshiba series: Xspeed, 600S, XT, and HQ CT systems. This product replaces OEM insert GS-2078	- 89200 - 82401	0.9 x 0.9 1.1 x 1.0	7°	2,000	50K
	B 180 Toshiba DA 180 Toshiba This 1.5 MHU CT tube is designed as a replacement for use in these Toshiba series: TCT80A, TCT300, TCT400, and TCT500 CT systems. This product replaces OEM insert GS-1588	- 88200 - 82301	1.0 x 1.0	10°	1,500	50K

Dunlee has specifically designed tubes for OEM CT applications. These tubes are tailored to meet your needs and the needs of your customers. From low to mid-tier price points, Dunlee can create a tube for a simple and cost effective application or provide advanced designed features.

By using similar housing designs, you can offer functional levels to suit your customers' needs now and in the future. Our tubes are developed from proven designs that are value products providing long life and low maintenance cost. Dunlee's extensive experience in X-ray tube design and CT applications is available to assist you in system integration.

Tube Type	Focal Spot	Target Angle	MHU
OEM Tubes			
 Simplicity CTR 2250/2280 These 5.0 & 8.0 MHU CT tubes offer enhanced options with X & Z deflection to further increase detail for those more advanced examinations. The focal spot deflection can reduce patient radiation and extend tube life.	0.6 x 1.2/1.1 x 1.2	7°	5.0 & 8.0
 Stargate CTR 2150 This 5.0 MHU CT tube offers X deflection as a step up in diagnostic capabilities to increase detail and resolution beyond that available from basic scanner applications.	0.5 x 1.0/1.0 x 1.0	7°	5.0
 Rhino CTR 1700 Series These 4.0/5.0/6.5 MHU CT tubes offer solid and proven operations for your high volume, cost conscience clinical application and can be tailored to fit your system design requirements.	0.4 x 0.7/0.6 x 1.3	7°	4.0/5.0/6.5

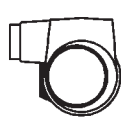
Product Type	Description
6" Image Intensifiers	
T600-P/S 6" Dual-Mode HP Image Intensifier	Includes a 6" (15 cm) Dual-Mode Thales HP Image Intensifier with housing and solid-state power supply.
P600 - P/S Glass 6" Single-Mode Glass Image Intensifier	Reload of customer's housing with a new (15 cm) Philips glass Image Intensifier and Power Supply for Philips applications.
P610 - P/S Fibre 6" Single-Mode Fibre Image Intensifier	Reload of customer's housing with a (15 cm) Philips fibre Image Intensifier and Power Supply for Philips applications.
P610 Fibre 6" Single-Mode Fibre Image Intensifier	Reload of customer's housing with a new (15 cm) Philips fibre Image Intensifier for Philips applications.
9" Image Intensifiers	
T964R 9" Dual or Tri-Mode HP Image Intensifier	Reload of customer's housing with a new Thales 9" (23 cm) HP Tri-Mode Image Intensifier.
T964-P/S 9" Dual or Tri-Mode HP Image Intensifier	Includes a 9" (23 cm) Tri-Mode Thales HP Image Intensifier with housing and solid-state power supply.
T964QXR 9" Dual or Tri-Mode QX Image Intensifier	Reload of customer's housing with a new Thales 9" (23 cm) QX Tri-Mode Image Intensifier.
T964QX-P/S 9" Dual or Tri-Mode QX Image Intensifier	Includes a 9" (23 cm) Tri-Mode Thales QX Image Intensifier with housing and solid-state power supply.
P975-N3I 9" Dual-Mode N3I Image Intensifier	Includes a (23 cm) Philips Image Intensifier with housing, and power supply for Philips N3I applications.
P975-P/S-3I 9" Tri-Mode 3I Image Intensifier	Includes a (23 cm) Philips Image Intensifier with housing for Philips 3I applications.
TH59438Q210G012L41 9" Tri-Mode QX High Performance Image Intensifier	Includes a (23 cm) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.
TH59438Q210G032L41 9" Tri-Mode QX High Performance Image Intensifier	Includes a (23 cm) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.
TH59438Q210G032L45 9" Tri-Mode QX High Performance Image Intensifier	Includes a (23 cm) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.
TH59438Q210G032L45 9" Tri-Mode QX High Performance II Image Intensifier	Includes a (23 cm) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.

Product Type	Description
9" Image Intensifiers	
P975-3I 9" Tri-Mode 3I Image Intensifier	Includes a (23 cm) Philips Image Intensifier and housing for Philips 31 applications.
P975-P/S-HRC 9" Tri-Mode HRC Image Intensifier	Includes a (23 cm) Philips Image Intensifier with housing, and Power Supply for Philips cardiac applications.
P975-HRC 9" Tri-Mode HRC Image Intensifier	Includes a (23 cm) Philips Image Intensifier and housing for Philips cardiac applications.
P975-P/S-BV29 9" Tri-Mode BV29 Image Intensifier	Includes a (23 cm) Philips Image Intensifier with housing, and Power Supply for Philips BV-29 applications.
P975-BV29 9" Tri-Mode BV29 Image Intensifier	Includes a (23 cm) Philips Image Intensifier and housing for Philips BV29 applications.
12" Image Intensifiers	
T1296R 12" Tri-Mode HP Image Intensifier	Reload of customer's housing with a new Thales 12" (30 cm) HP Tri-Mode Image Intensifier.
T1296-P/S 12" Tri-Mode HP Image Intensifier	Includes a 12" (30 cm) Tri-Mode Thales HP Image Intensifier with housing and solid-state power supply.
T1296QXR 12" Tri-Mode QX Image Intensifier	Reload of customer's housing with a new Thales 12" (30 cm) QX Tri-Mode Image Intensifier.
T1296QX-P/S 12" Tri-Mode QX Image Intensifier	Includes a 12" (30 cm) Tri-Mode Thales QX Image Intensifier with housing and solid-state power supply.
TH59432Q882MG012L40 12" Tri-Mode QX High Performance Image Intensifier	Includes a (12 inch) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.
TH59432Q882MG032L40 12" Tri-Mode QX High Performance Image Intensifier	Includes a (12 inch) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.
TH59432Q686MG012L44 12" Tri-Mode QX High Performance Image Intensifier	Includes a (12 inch) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.
TH59432Q686MG032L44 12" Tri-Mode QX High Performance Image Intensifier	Includes a (12 inch) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.
T12964R 12" Quad-Mode HP Image Intensifier	Reload of customer's housing with a new Thales 12" (30 cm) HP Quad-Mode Image Intensifier.
T12964-P/S 12" Quad-Mode HP Image Intensifier	Includes a 12" (30 cm) Quad-Mode Thales HP Image Intensifier with housing and solid-state power supply.
T1294QXR 12" Quad-Mode QX Image Intensifier	Includes a 12" (30 cm) Quad-Mode Thales QX Image Intensifier
T12964QX-PS 12" Quad-Mode HP Image Intensifier	Includes a 12" (30 cm) Quad-Mode Thales QX Image Intensifier with housing and solid-state power supply.

Product Type	Description
14-16" Image Intensifiers	
T14129 14" Tri-Mode QX Image Intensifier	Includes a 14" Tri-Mode Thales QX Image Intensifier with housing and power supply.
T161296QX-P/S 16" Quad-Mode QX Image Intensifier	Includes a 16" (40 cm) Quad-Mode Thales QX Image Intensifier with housing and power supply.
P1600-P/S 14-16" Multi-Mode Image Intensifier	Includes a (38 cm) Philips Image Intensifier, housing, and Power Supply for Philips applications.
P1600 14-16" Multi-Mode Image Intensifier	Includes a (38 cm) Philips Image Intensifier and housing for Philips applications.
Thales Power Supplies	
TH7160DX High-Voltage Power Supply	The TH7160 series of HVPS is no longer manufactured. See the TH7195-3 Kits listed below for replacements.
TH7154C High-Voltage Power Supply	Used primarily on CGR systems.
TH7191 High-Voltage Power Supply	Use with Thales 6", 9" and 12" Image Intensifiers.
TH7193 High-Voltage Power Supply	Use with 6" Single-Mode Image Intensifier with 24 VDC input.
TH7195-3 High-Voltage Power Supply	Use with 9" & 12" Tri-Mode Image Intensifiers with 24 VDC input.

Product Type	Description
Thales Power Supplies	
TH7186 (replaces TH7221) High-Voltage Blanking Power Supply	Use with Thales 16" with 24 or 40 VDC input.
TH7195-3 9" Kit HVPS High-Voltage Power Supply	This kit will replace a TH7160 series HVPS on Thales 9" Systems.
TH7195-3 9" Kit HVPS & LVPS High-Voltage Power Supply	This kit will replace a TH7160 series HVPS and a TH7169 LVPS on Thales 9" systems.
TH7195-3 12" Kit HVPS High-Voltage Power Supply	This kit will replace a TH7160 series HVPS on Thales 12" systems.
TH7195-3 12" Kit HVPS & LVPS High-Voltage Power Supply	This kit will replace a TH7160 series HVPS and a TH7169 LVPS on Thales 12" systems.
TH7195-4 High-Voltage Power Supply	Use with Quad-Mode Image Intensifiers with 24 VDC input.
TH7197 High-Voltage Blanking Power Supply	Use with 9" & 12" Image Intensifiers with 24 VDC input.
TH7198-4 High-Voltage Blanking Power Supply	Use with Thales 16" with 24 or 40 VDC input.
TH7221 High-Voltage Blanking Power Supply	Use with Thales 16" with 24 or 40 VDC input. No longer in production replace with the TH7186 blanking supply.
Philips Power Supplies	
PPS-25P/369 High-Voltage Power Supply	Power Supply for Philips Applications (6") (15 cm).
PPS-26P/368 High-Voltage Power Supply	Power Supply for most Philips 23 cm RF Applications.
PPS-30P/366 High-Voltage Power Supply	Power Supply for Philips 2 cm HRC Applications.
PPS-40P/365 High-Voltage Power Supply	Power Supply for Philips 38 cm Applications.
PPS-26P/366-MOD KIT High-Voltage Power Supply	Use to replace rack mounted Philips Image Intensifier Power Supplies on 23 cm systems.
9896-010-23591 High-Voltage Power Supply	Power Supply for Philips 31 cm Applications.
Other Power Supplies	
	For other Image Intensifier Power Supplies, Call Dunlee-Arlington 800.238.3780 (USA & Canada) or 817.640.7666 for assistance.

Radiographic Tubes - 3 in / 76mm Anode Unit - PX 1300 Series



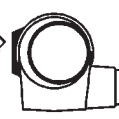
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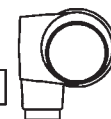
C=90°



D=135°



E=180°



G=270°

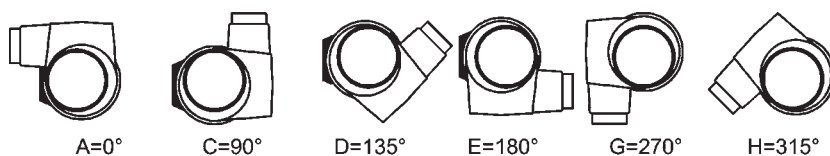


H=315°

Radiographic tubes designed for general radiographic light-duty/heavy-duty X-Ray systems.

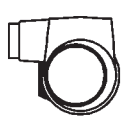
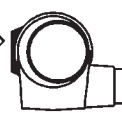
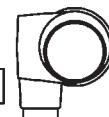
	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kW Rating	kVp	Anode Storage Capacity kHU
Radiographic Tubes - 140 kHU								
PX 1351	- 91501	C	S	1.0/2.0	16°	23/49	125	140
Radiographic Tubes - 300 kHU								
PX 1302	- 91537	C	S	1.0/2.0	15°	37/78	150	300
PX 1312	- 91516 - 91518	C E	S S	0.6/1.2	12.5°	27/70	150	300

Radiographic Tubes - 4 in / 100mm Anode Unit - PX 1400 Series



Radiographic tubes designed for general radiographic light-duty/heavy-duty X-Ray systems.

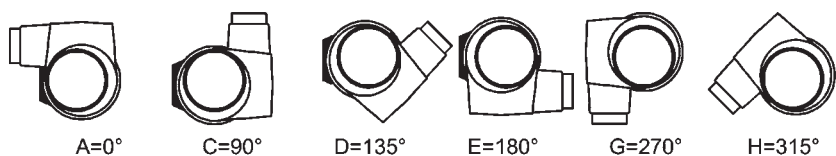
	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kW Rating	kVp	Anode Storage Capacity kHU
Radiographic Tubes - 300 kHU								
PX 1402	- 91610 - 91611 - 91615 - 91612 - 91613 - 91614	C E G C E G	S S S Q Q Q	1.0/2.0	15°	60/120	150	300
Radiographic Tubes - 300 kHU								
PX 1429	- 94208 - 94204 - 94214 - 94205 - 94206 - 94209 - 94210 - 94213 - 94211 - 94212	A C D E G A C D E G	S S S S S Q Q Q Q Q	0.6/1.2	13.5°	40/100	150	300
Radiographic Tubes - 400 kHU								
PX 1436	- 93014 - 93017 - 93015 - 93039 - 93005 - 93007 - 93016 - 93011	C D E G A C D E	S S S S Q Q Q Q	0.6/1.2	13.5°	40/100	150	400
PX 1482	- 92604 - 92606 - 92603 - 92601 - 92605	A C G A C	S S S Q Q	0.6/1.0	15°	25/60	150	400
PX 1483	- 92804 - 92803 - 92801 - 92805	A G A C	S S Q Q	0.3/1.0	15°	9/60	150	400

 $A=0^\circ$  $C=90^\circ$  $D=135^\circ$  $E=180^\circ$  $G=270^\circ$  $H=315^\circ$

Radiographic Tubes - 600 kHU

	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kW Rating	kVp	Anode Storage Capacity kHU
Radiographic Tubes - 600 kHU								
PX 1492	- 91572	C	S	0.6/1.2	12°	40/100	150	600
PX 1494	- 91573	C	S	0.4/0.8	14°	15/45	150	600

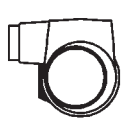
Radiographic Tubes - 4 in / 100mm Anode Unit - DA 10 Series



Radiographic tubes designed for general radiographic heavy-duty X-Ray systems.

	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kW Rating	kVp	Anode Storage Capacity kHU
Radiographic Tubes - 300 kHU								
DA 1002	- 80210	C	R	1.0/2.0	15°	60/120	150	300
DA 1029	- 80220	C	R	0.6/1.2	13.5°	40/100	150	300
Radiographic Tubes - 400 kHU								
DA 1036	- 80310	C	R	0.6/1.2	13.5°	40/100	150	400
DA 1082	- 80320	C	R	0.6/1.0	15°	25/60	150	400
DA 1083	- 80330	C	R	0.3/1.0	15°	9/60	150	400
Radiographic Tubes - 600 kHU								
DA 1092	- 80920 - 75620	C E	R R	0.6/1.2	12°	40/100	150	600
DA 1094	- 80930	C	R	0.4/0.8	14°	15/45	150	600

Radiographic Tubes - 4 in / 100mm Anode Unit - DR 10 Series



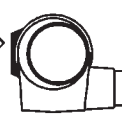
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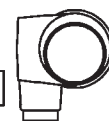
C=90°



D=135°



E=180°



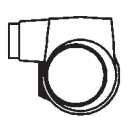
G=270°



H=315°

Radiographic tubes designed for general radiographic heavy-duty X-Ray systems.

	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kW Rating	kVp	Anode Storage Capacity kHU
Radiographic Tubes - 300 kHU								
DR 1429	- 96101 - 96102	C G	R R	0.6/1.2	13.5°	40/100	150	300
Radiographic Tubes - 400 kHU								
DR 1436	- 96111	C	R	0.6/1.2	13.5°	40/100	150	400
Radiographic Tubes - 600 kHU								
DR 1492	- 96121	C	R	0.6/1.2	12°	40/100	150	600
DR 1494	- 96131	C	R	0.4/0.8	14°	15/45	150	600



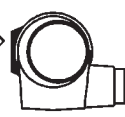
A=0°



C=90°



D=135°



E=180°



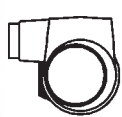
G=270°



H=315°

	Ordering No. 9896055 -	Horn Angle	Pressure Switch	Focal Spot	Target Angle	kHU	KVp	
General Electric								
AMX 3	- 87429	C	No	0.75	15°	300	130	
AMX 4 (D2641P and D2642P)	- 86702	C	Yes	0.75	15°	300	130	
AMX 4 (D2651P and D2652P)	- 78511	C	No	0.80	14°	196	125	
MX 100 *	- 87383 - 87384 - 87385 - 87386	C C E E	No Yes No Yes	0.6/1.25	13.5°	400	150	
MX 100FLX *	- 87388 - 87387	A A	No Yes	0.6/1.25	13.5°	400	150	
ORTHORAD III E 7833X (RAD 99 Equivalent)	- 72731	C	No	0.3/0.6	10°	300	125	

Radiographic Tubes - GE, Philips



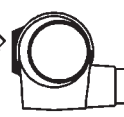
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C=90°



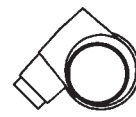
D=135°



E=180°



G=270°



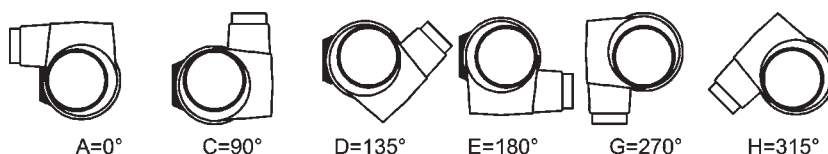
H=315°

	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kHU	KVp	
General Electric								
GE-HRT *	- 87217	C	High	1.0/2.0	16°	140	125	
GE-HRT *	- 87246 - 87247	C E	High High	1.0/2.0	15°	300	150	
GE-HRT *	- 87275 - 87276 - 87277	A C E	High High High	0.6/1.2	12.5°	300	150	
MX 75 "N" *	- 87249 - 87250 - 87248 - 87251	C E E C	Equal Equal High High	1.0/2.0	15°	300	150	
MX 75 FL (R/X) *	- 87279 - 87280	E E	Equal Equal	0.6/1.2	12.5°	300	150	
Philips								
DU 33/100, DA 350	- 87493	C	P	0.6/1.2	12°	30/100 kW Rating	150	
DU 25/50, DA 350	- 87494	C	P	0.6/1.0	15°	25/50 kW Rating	150	

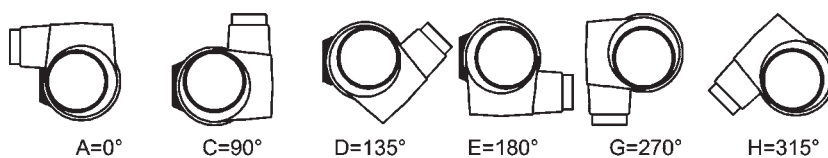


This 325 KHU X-Ray tube is specifically designed as a ROT 350 replacement for use with Philips X-Ray systems.

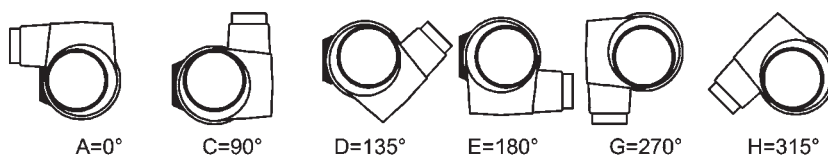
Radiographic Tubes - Siemens



	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kW Rating	KVp	
Siemens								
OPTI 150 30/50C 100L OPTI 150 30/50C 100 This 600 KHU X-Ray tube is specifically designed as a replacement for use with Siemens Opti X-Ray systems.	- 74810 - 74820	C C	S 3PH	0.6/1.0	16°	30/50	150	
OPTI 150 40/73C 100L OPTI 150 40/73C 100 This 600 KHU X-Ray tube is specifically designed as a replacement for use with Siemens Opti X-Ray systems.	- 74830 - 74840	C C	S 3PH	0.6/1.0	12°	40/73	150	
OPTI 150 40/82C 100L OPTI 150 40/82C 100 This 600 KHU X-Ray tube is specifically designed as a replacement for use with Siemens Opti X-Ray systems.	- 74850 - 74860	C C	S 3PH	0.6/1.2	12°	40/82	150	
OPTI 150 40/80C 100L OPTI 150 40/80C 100 This 600 KHU X-Ray tube is specifically designed as a replacement for use with Siemens Opti X-Ray systems.	- 77480 - 77490	C C	S 3PH	0.6/1.0	12°	40/80	150	
OPTI TOP 40/80C 100 This 800 KHU X-Ray tube is specifically designed as a replacement for use with Siemens Opti X-Ray systems.	- 71710 - 74881	C	S 3PH	0.6/1.0	12°	40/80	150	
Mega 125 40/82C 120L Mega 125 40/82C 120 This 1300 KHU X-Ray tube is specifically designed as a replacement for use with Siemens Megalix X-Ray systems.	- 77460 - 77470	C C	S 3PH	0.6/1.0	12°	40/80	125	
Mega 125 30/82CM 120LW Mega 125 30/82CM 120GW Mega 125 40/82CM 120L Mega 125 40/82CM 120 Mega 125 15/40/82CM 120GLW Mega 125 15/40/82CM 120GW This 1300 KHU X-Ray tube is specifically designed as a replacement for use with Siemens Megalix X-Ray systems. Note: Not compatible with N 81 starter. Please specify two-phase or three-phase stator when placing order. * specify if there is a Grid when ordering **specify if water cooled	- 77440 - 77450 - 77420 - 77430 - 77410 - 77810	C C C C C C	S 3PH S 3PH S 3PH	0.4/0.8 0.4/0.8 0.6/1.0 0.6/1.0 0.3/0.6/1.0 0.3/0.6/1.0	8° 8° 12° 12° 12° 12°	30/82 30/82 40/82 40/82 15/40/82 15/40/82	125 125 125 125 125 125	



	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kHU	KVp	
Varian								
B100	- 87209 - 87234	C C	R R	1.0/2.0 1.0/2.0	16° 15°	140 300	125 150	
B100	- 87254 - 87255	C E	R R	0.6/1.2	12.5°	300	150	
B130	- 87309 - 87311 - 87310	C C E	R S S	0.6/1.2	13.5°	300	150	
B130	- 87338	C	R	0.6/1.2	13.5°	400	150	
B130	- 87367 - 87368	C G	R S	0.6/1.0	15°	400	150	
B130	- 73410	C	R	0.6/1.2	12°	600	150	
B150	- 87290 - 87291	C E	P R	1.0/2.0	15°	300	150	
B150	- 87312 - 87313 - 87314 - 87315 - 87316 - 87319	C E C D E G	R R S S S R	0.6/1.2	13.5°	300	150	
B150	- 87340 - 87342 - 87341 - 87344 - 87345	C C D E G	R S R R R	0.6/1.2	13.5°	400	150	
B150	- 87369 - 87371 - 87372	A C G	R R S	0.6/1.0	15°	400	150	
B150	- 87366	C	R	0.6/1.2	12°	600	150	
B150	- 87496	C	R	0.6/1.2	12°	600	150	



	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kW Rating	KVp	
Varian								
Diamond RAD-68 Replacement *	- 87235 - 87236	C E	R R	1.0/2.0	15°	37/78	150	
Diamond RAD-14 Replacement *	- 87256 - 87257 - 87258	A C E	R R R	0.6/1.2	12°	27/70	150	
Emerald RAD-74 Replacement *	- 72710	C	R	0.6/1.5	14°	18/50	125	
Emerald RAD-8 Replacement *	- 87214 - 87215	C E	R R	1.0/2.0	15°	20/40	125	
Sapphire RAD-44 Replacement *	- 87296	C	R	1.0/2.0	15°	60/120	150	
Sapphire RAD-21 Replacement *	- 87334 - 87335 - 87336	A C E	R R R	0.6/1.2	13.5°	40/100	150	
Sapphire RAD-56 Replacement *	- 87362 - 87363 - 87364	A C E	R R R	0.6/1.2	13.5°	40/100	150	
Sapphire RAD-60 Replacement *	- 87362 - 87363 - 87364	A C E	R R R	0.6/1.2	13.5°	40/100	150	
Sapphire RAD-56 Replacement *	- 87378	C	R	0.6/1.0	13.5°	25/60	150	
Sapphire RAD-92 Replacement *	- 74410	C	R	0.6/1.2	12°	40/100	150	
Sapphire RAD-94 Replacement *	- 74441	C	R	0.4/0.8	14°	15/45	150	
Toshiba								
E7239X - 150 KHU	- 70371	G	R	1.0/2.0	16°	20/40	125	
E7239FX - 150 KHU	- 70370	C	R	1.0/2.0	16°	20/40	125	
E7239GX - 150 KHU	- 70720	E	R	1.0/2.0	16°	20/40	125	
E7242X - 200 KHU	- 87435	G	R	0.6/1.5	14°	18/50	125	
E7242FX - 200 KHU	- 72710	C	R	0.6/1.5	14°	18/50	125	
E7242GX - 200 KHU	- 87204	E	R	0.6/1.5	14°	18/50	125	

Camera Tube Type	Ordering No. 9896055 -	Description /Comments
Resistron Camera Tubes		
XQ1290TM (Part No. 270671) 25mm Vidicon	- 70671	High sensitivity with good resolution and low lag.
XQ1370 (Part No. 270672) 18mm Resistron	- 70672	High sensitivity with good resolution. Use with Siemens VideoMed K.
XQ1395 (Part No. 270673) 25mm Resistron (Hivicon)	- 70673	High sensitivity with high resolution.
Saticon Camera Tubes		
XQ1570 (Part No. 270675) 25mm Saticon	- 70675	Low lag with high resolution and high electron beam capacity. DSA applications.
XQ1580 (Part No. 270677) 25mm Saticon Diode Gun	- 70677	For use with Philips XTV-11.
XQ1585 (Part No. 270678) 25mm High Resolution Saticon	- 70678	Use with GE systems.
Plumbicon Camera Tubes		
XQ1072 (Part No. 270658) 25mm Plumbicon	- 70658	Standard resolution. For use with P20 Phosphor.
XQ1073X (Part No. 270659) 25mm Plumbicon w/ BG18 Disc	- 70680	High resolution with light bias and high electron beam capacity. Rear loading.
XQ2172/03X (Part No. 270682) 25mm Plumbicon Diode Gun	- 70682	High resolution with light bias and high electron beam capacity. Front loading.
XQ2182/03X (Part No. 270683) 25mm Plumbicon Diode Gun	- 70683	1" front loading Plumbicon diode gun.

WARRANTY: Dunlee warrants its camera tubes to be free from manufacturing defects for a period of one year, non pro rata. Warranty decisions are solely at the discretion of the manufacturer.

Camera Tube Type	Ordering No. 9896055 -	Description / Comments
Plumbicon Camera Tubes		
XQ2183/02X (Part No. 270701) 25mm Plumbicon Diode Gun	- 70701	This camera tube is designed for use with Infimed Systems.
XQ2183/03X (Part No. 270684) 25mm Plumbicon Diode Gun	- 70684	1" front loading Plumbicon diode gun.
XQ3442/83XQ (Part No. 270685) 30mm Plumbicon Diode Gun	- 70685	High resolution with light bias, DBC, and high electron beam capacity. Front loading.
XQ4502A (Part No. 270687) 45mm Plumbicon Diode Gun	- 70687	Very high resolution with large target and low lag. Use with Philips applications.
XQ5002 (Part No. 270688) 45mm Plumbicon Diode Gun	- 70688	Electrostatically deflected. Use with Picker AVS TV system.
XQ7002 (Part No. 270689) 25mm Plumbicon Diode Gun	- 70689	High resolution with very low lag. Use with Toshiba LOC system.
Vidicon Camera Tubes		
XQ1271X (Part No. 270665) 18mm Vidicon	- 70665	Use with Siemens Video Med. K.
XQ1240X (Part No. 270661) 25mm Vidicon	- 70661	25mm standard medical grade Vidicon.
XQ1240XH (Part No. 270662) 25mm Vidicon	- 70662	25mm high sensitivity Vidicon.
XQ1280 (Part No. 270667) 25mm Vidicon	- 70667	25mm Vidicon with very high resolution and medium lag.
XQ1285 (Part No. 270668) 25mm Vidicon w/ Fiber Optic Face	- 70668	High sensitivity with medium lag. Use with Philips BV22/25 & Philips/Dornier Lithotripter.
8541AX (Part No. 270654) 25mm Vidicon	- 70654	25 mm standard Vidicon.
8541BX (Part No. 270655) 25mm Vidicon	- 70655	25mm low lag Vidicon.
8541XHR (Part No. 270656) 25mm Vidicon	- 70656	25mm Vidicon with high resolution and low lag.
Newvicon Camera Tubes		
XQ1274X (Part No. 270666) 18mm Newvicon	- 70666	Use with Siemens Video Med K.

WARRANTY: Dunlee warrants its camera tubes to be free from manufacturing defects for a period of one year, non pro rata. Warranty decisions are solely at the discretion of the manufacturer.

	Description / Comments
Thales CCD Cameras	
Building on Thales Electron Devices' long experience in X-Ray diagnostic imaging, the TH8740 allows 1000 x 1000 pixel resolution, progressive scanning and interline CCD technology. The Thales 8740 1k x 1k interline CCD cameras are available in three versions.	
TH8740-032	A 12-bit LVDS digital output CCD camera compatible with standard frame grabbers, an interface cable to Matrox Meteor II frame grabber is available.
TH8740-040	An 8740 CCD 12-bit CameraLink digital output camera compatible with CameraLink frame grabbers.
TH8740-012 64-image memory.	An 8740 CCD camera including a process and control unit with 12-bit Digital and two 1,000 line analog video outputs, standard image processing including: recursive filter, last image hold, gamma correction, edge enhancement, Horizontal and Vertical inversion, circular blanking, and up to Thales cameras are available as part of an integrated Image Intensifier and CCD camera system in 6", 9", 12", 14" and 16" systems.
525 Line CCD Cameras	525-line CCD cameras are available for lower cost imaging solutions.
1K x 1K CCD Cameras	1K x 1K cameras are available to upgrade imaging systems.

	Description / Comments
Optical Distributors - 6"	
9896-055-7018	6" Right-Angle Distributor without Lens Used with a TV Camera to reduce the overall system height for undertable and overtable ceiling-suspended imaging systems. Includes quick-release dovetail on the camera port, mounting disk, and spacer. There is internal space available for an optional PMT and optics.
9896-055-70125	6" Straight-Up Distributor without Lens Includes 6" mounting disk, tube spacer, cover, and Philips 4" quick-release dovetail mount.
Optical Distributors - 9"	
9896-055-70139	9" Right-Angle Distributor without Lens Used with a TV Camera to reduce the overall system height for undertable and overtable ceiling-suspended imaging systems. Includes quick-release dovetail on the camera port, mounting disk, and spacer. There is internal space available for an optional PMT and optics.
9896-055-70136	9" Straight-Up Distributor without Lens Includes 9" mounting disk, tube spacer, cover, and Philips 4" quick-release dovetail mount.
Optical Distributors - 12"	
9896-055-70140	12" Right-Angle Distributor without Lens Used with a TV Camera to reduce the overall system height for undertable and overtable ceiling-suspended imaging systems. Includes quick-release dovetail on the camera port, mounting disk, and spacer. There is internal space available for an optional PMT and optics.
9896-055-70137	12" Straight-Up Distributor without Lens Includes 12" mounting disk, tube spacer, cover, and Philips 4" quick release dovetail mount.
9896-055-70141	12" Right-Angle Low-Profile Distributor w/100mm Lens Low-profile single port right-angle camera distributor for use with undertable applications where space is limited. Features include X & Y camera centering adjustments, Philips-style 4" dovetail quick-release mount, 100mm lens and fiber optically coupled PMT or Photo-Diode. Includes a light source for projecting light onto the objective lens for PMT sensing area setup.
Optical Distributors - 16"	
9896-055-70142	16" Right-Angle Distributor w/Fiber Coupled Photo-Diode without Lens Low-profile right-angle single port camera distributor for use with 16" Thales Image Intensifiers. Features include X & Y camera centering adjustments, Philips-style 4" dovetail quick-release mount and fiber optically coupled photo-diode. Includes a light source for projecting light onto the objective lens for PD sensing area setup.
9896-055-70143	16" Right-Angle Distributor w/Fiber Coupled Photo-Diode with 130mm HX Lens Low-profile right-angle single port camera distributor for use with 16" Thales Image Intensifiers. Features include X & Y camera centering adjustments, Philips-style 4" dovetail quick-release mount, 30mm HX lens and fiber optically coupled photo-diode. Includes a light source for projecting light onto the objective lens for PD sensing area setup.

Ordering Number 9896055 -	Part Number	Cable Length M*	Cable Length Ft.*	Ordering Number 9896055 -	Part Number
Federal Standard High-Voltage Cables					
M Series - Low Noise 3/C 100kV ML Style 0.785" Diameter				L Series - Low Noise 3/C 75kV HiFlex 0.650" Diameter	
70483	M3-005	1.5	5	70457	L3-005
70485	M3-010	3.0	10	70458	L3-010
70488	M3-015	4.5	15	70459	L3-015
70489	M3-020	6.0	20	70460	L3-020
70490	M3-025	7.5	25	70461	L3-025
70491	M3-030	9.0	30	70462	L3-030
70492	M3-035	10.5	35	70463	L3-035
70493	M3-040	12.0	40	70465	L3-040
70494	M3-045	13.5	45	70467	L3-045
70495	M3-050	15.0	50	70468	L3-050
70496	M3-055	16.5	55	79211	L3-055
70498	M3-060	18.0	60	70470	L3-060
70499	M3-065	19.5	65	70471	L3-065
70500	M3-070	21.0	70	70472	L3-070
70501	M3-075	22.5	75	70473	L3-075
70502	M3-080	24.0	80	70474	L3-080
70503	M3-085	25.5	85	70475	L3-085
70504	M3-090	27.0	90	70476	L3-090
70505	M3-095	28.5	95	70477	L3-095
70506	M3-100	30.0	100	70478	L3-100
70507	M3-105	32.0	105	70479	L3-105
70508	M3-110	33.5	110	70480	L3-110
70509	M3-115	35.0	115	70481	L3-115
70510	M3-120	37.0	120	70482	L3-120

Notes: • Cables are also available in custom lengths.

• M series cables employ removable metal split strain relief.

• All cables are federal standard terminal configurations. Consult Dunlee before ordering cables for CT applications.

• For grid applications, contact Dunlee.

Cable specifications are available on request.

Model	Part Number	Pin Configuration	Flange Diameter (inches) (mm)	Flange Type	Cable Diameter (inches) (mm)	Type
Federal Standard Field Termination Kits						
H875 P1	270416	3-Pin Federal 1-9/16	39.7	Standard 0.785	20.0	M
H875 P2	270417	4-Pin Grid 1-9/16	39.7	Standard 0.845	21.5	G
H875 P5	270420	3-Pin Federal 1-9/16	39.7	Standard 0.650	16.5	L
Mobile Unit High-Voltage Cables (Battery and CD)						
Cable Type		Description/Comments				
General Electric						
H1147- P1 (Part No. 270396)		GE AMX HV Cable Type M 0.785" Dia. 11'10" Tip-Length, GE Hardware Kit				
H1147- P3 (Part No. 79611)		GE AMX HV Cable Type L 0.650 Dia. 11'10" Tip-Length, GE Hardware Kit AMX 110, II and III				
H1147- P4 (Part No. 79711)		GE AMX HV Cable Type M 0.785" Dia. 12'6" Tip-Length, GE Hardware Kit, AMX 4				
H1147- P5 (Part No. 79811)		GE AMX4 Plus HV Cable Type L 0.650" Dia. 16'2" Tip-Length, GE Hardware Kit				
Picker/Marconi						
M3-012 (Part No. 270487)		HV Cable Type M 0.785" Dia.12'10" Tip-Length, Std. Hardware Kit				
Toshiba						
H149- P1 (Part No. 270401)		Anode HV Cable Type M 0.785" Dia.11'0" Tip-Length, Straight Hardware Kit				
H149- P2 (Part No. 270402)		Cathode HV Cable Type G 0.845" Dia. 11'0" Tip-Length, Spec Wiring, Straight Hardware Kit				
Hitachi/Shimadzu						
H445- P1 (Part No. 270404)		Anode HV Cable Type M 0.785" Dia.11'0" Tip-Length, Straight Hardware Kit				
H445- P2 (Part No. 270405)		Cathode HV Cable Type G 0.845" Dia. 11'0" Tip-Length, Spec Wiring, Straight Hardware Kit				

This document is a partial listing of Dunlee tubes and compatible systems.
For more information, contact Dunlee at 800.238.3780.

Brand	CT Scanner Model	Dunlee Replacement Tube	OEM Part # (s)	Dunlee Part #
GE	Optima CT660	*Performix 40/CJ64	D3187T, D3188T, 2137130-11, 2137130-12	OEM Proprietary
GE	Optima CT580RT	Reevo 240G	D3191T, D3192T, D3193T, D3194T, 2219500-3, 2291563-2	9896-055-96401
GE	Optima 520	MX165CT	D3146T, 2199077-7	Available Soon
GE	Discovery NM/CT 670	DA200 BrightSpeed/Ultra	D3186T, D3189T, 2137130-5, 2137130-2, 2120785-2	9896-055-88704
GE	LightSpeed CT750HD	*Performix Pro HD	D3701T, D3702T	OEM Proprietary
GE	Discovery CT750HD, PET/CT	*Performix Pro HD	D3701T, D3702T	OEM Proprietary
GE	LightSpeed VCT 100	Reevo 240G	D3191T, D3192T, D3193T, D3194T, 2219500-3, 2291563-2	9896-055-96401
GE	LightSpeed VCT Select	Reevo 240G	D3191T, D3192T, D3193T, D3194T, 2219500-3, 2291563-2	9896-055-96401
GE	LightSpeed VCT XT	Reevo 240G	D3191T, D3192T, D3193T, D3194T, 2219500-3, 2291563-2	9896-055-96401
GE	LightSpeed VCT Xtra	Reevo 240G	D3191T, D3192T, D3193T, D3194T, 2219500-3, 2291563-2	9896-055-96401
GE	LightSpeed Pro 32	Reevo 240G	D3191T, D3192T, D3193T, D3194T, 2219500-3, 2291563-2	9896-055-96401
GE	LightSpeed Pro 16 (Verify tube type)	Reevo 240G	D3191T, D3192T, D3193T, D3194T, 2219500-3, 2291563-2	9896-055-96401
GE	LightSpeed Pro 16 (Optional)	*Varian Performix Pro 80kw	D3634T, 2378211, Varian MCS7079	OEM Proprietary
GE	LightSpeed RT	*Varian Performix Pro 80kw	D3634T, 2378211, Varian MCS7079	OEM Proprietary
GE	LightSpeed Pro 100	Reevo 240G	D3191T, D3192T, D3193T, D3194T, 2219500-3, 2291563-2	9896-055-96400
GE	Discovery VCT	Reevo 240G	D3191T, D3192T, D3193T, D3194T, 2219500-3, 2291563-2	9896-055-96400
GE	Discovery PET/CT690	Reevo 240G	D3191T, D3192T, D3193T, D3194T, 2219500-3, 2291563-2	9896-055-96400
GE	Discovery RX VCT	Reevo 240G	D3191T, D3192T, D3193T, D3194T, 2219500-3, 2291563-2	9896-055-96400
GE	Discovery NM/CT570c	Reevo 240G	D3191T, D3192T, D3193T, D3194T, 2219500-3, 2291563-2	9896-055-96400
GE	LightSpeed 16 - .5 scan speed	DA200 ULTRA 0.7,0.9	D3182T, D3185T, D3186T, D3189T, 2137130-5, 2137130-2, 2120785-2	9896-055-88704
GE	LightSpeed Ultra - .5 scan speed	DA200 ULTRA 0.7,0.9	D3182T, D3185T, D3186T, D3189T, 2137130-5, 2137130-2, 2120785-2, Varian MCS6074	9896-055-88704
GE	LightSpeed Plus - .5 scan speed	DA200 ULTRA 0.7,0.9	D3182T, D3185T, D3186T, D3189T, 2137130-5, 2137130-2, 2120785-2, Varian MCS6074	9896-055-88704
GE	LightSpeed QX/I - .5 scan speed	DA200 ULTRA 0.7,0.9	D3182T, D3185T, D3186T, D3189T, 2137130-5, 2137130-2, 2120785-2, Varian MCS6074	9896-055-88704
GE	LightSpeed RT	DA200 ULTRA 0.7,0.9	D3182T, D3185T, D3186T, D3189T, 2137130-5, 2137130-2, 2120785-2, Varian MCS6074	9896-055-88704
GE	Discovery LS, PET/CT	DA200 ULTRA 0.7,0.9	D3182T, D3185T, D3186T, D3189T, 2137130-5, 2137130-2, 2120785-2, Varian MCS6074	9896-055-88704
GE	Discovery ST, PET/CT	DA200 ULTRA 0.7,0.9	D3182T, D3185T, D3186T, D3189T, 2137130-5, 2137130-2, 2120785-2, Varian MCS6074	9896-055-88704
GE	Discovery STE, PET/CT	DA200 ULTRA 0.7,0.9	D3182T, D3185T, D3186T, D3189T, 2137130-5, 2137130-2, 2120785-2, Varian MCS6074	9896-055-88704

Brand	CT Scanner Model	Dunlee Replacement Tube	OEM Part # (s)	Dunlee Part #
GE	Discovery RX	DA200 ULTRA 0.7,0.9	D3182T, D3185T, D3186T, D3189T, 2137130-5, 2137130-2, 2120785-2, Varian MCS6074	9896-055-88704
GE	Discovery PET/CT600	DA200 ULTRA 0.7,0.9	D3182T, D3185T, D3186T, D3189T, 2137130-5, 2137130-2, 2120785-2, Varian MCS6074	9896-055-88704
GE	Discovery NM/CT670	DA200 ULTRA 0.7,0.9	D3182T, D3185T, D3186T, D3189T, 2137130-5, 2137130-2, 2120785-2, Varian MCS6074	9896-055-88704
GE	HiSpeed CT/i	DA200 0.7,0.9 CT/i Tube	D3132T, D3139T, 2137130-3, 2137130-2, 2120785	9896-055-87504
GE	LightSpeed QX/I - .8 scan speed	DA200 0.7,0.9 LIGHTSPEED QXI	D3176T, D3179T, 2137130-3, 2137130-2, 2120785	9896-055-87505
GE	HiSpeed ZX/i	DA200 PRO 0.7,0.9 HiSpeed ZX/i	D3152T, 2137130-3, 2234921-2, 2234917	9896-055-88401
GE	HiSpeed NX/I Pro	DA200 PRO 0.7,0.9 NX/I Pro	D3152T, 2137130-3, 2234921-2, 2234917	9896-055-88401
GE	BrightSpeed Edge	DA200 BrightSpeed/Ultra	D3186T, D3189T, 2137130-5, 2137130-2, 2120785-2	9896-055-88704
GE	BrightSpeed Excel	DA200 BrightSpeed/Ultra	D3186T, D3189T, 2137130-5, 2137130-2, 2120785-2	9896-055-88704
GE	BrightSpeed Elite	DA200 BrightSpeed/Ultra	D3186T, D3189T, 2137130-5, 2137130-2, 2120785-2	9896-055-88704
GE	Brivo CT315/325	DA135CTE, MX135CTE	D3145T, 2232785-2	9896-055-80800 9896-055-80801
GE	HiSpeed Advantage, CT/I	DA165	D3102T, 46-309500G801, 46-309500G2, 46-309300G2	9896-055-82600
GE	Sytec 6000	MX165PS, DA165PS	D3112T, 46-309700G801, 46-309700G2, 46-309300G3	9896-055-82900 9896-055-82901
GE	Sytec 8000	MX165PS, DA165PS	D3112T, 46-309700G801, 46-309700G2, 46-309300G3	9896-055-82900 9896-055-82901
GE	Sytec ProSpeed	MX165PS, DA165PS	D3112T, 46-309700G801, 46-309700G2, 46-309300G3	9896-055-82900 9896-055-82901
GE	HiSpeed DX/I	MX165NP, DA165NP	D3142T, 2199077-3, 219077-2, 46-309300G3	9896-055-83900 9896-055-83901
GE	HiSpeed FX/I	MX165NP, DA165NP	D3142T, 2199077-3, 219077-2, 46-309300G3	9896-055-83900 9896-055-83901
GE	HiSpeed LX/I	MX165NP, DA165NP	D3142T, 2199077-3, 219077-2, 46-309300G3	9896-055-83900 9896-055-83901
GE	BrightSpeed Edge (Select/Lite)	MX165CT	D3146T, 2199077-7	Available Soon
GE	BrightSpeed Edge (Select/Lite)	MX165CT	D3146T, 2199077-7	Available Soon
GE	BrightSpeed Edge (Select/Lite)	MX165CT	D3146T, 2199077-7	Available Soon
GE	Sytec SR/I	MX135 SYTEC VENUS SR/I DU2005	D3122T, 2116100-3, 2116100-2, 46-274891G1	9896-055-77510
GE	Sytec Synergy	MX135 SYTEC VENUS SR/I DU2005	D3122T, 2116100-3, 2116100-2, 46-274891G1	9896-055-77510
GE	HiLight Advantage	DA135, MX135	D3203T, 46-274750G801, 46-274750G2, 46-274891G1	9896-055-80100 9896-055-80500
GE	CT/e, CT Dual, AI	DA135CTE, MX135CTE	D3162T, 2232785-3, 2232785-2, 46-274891G1	9896-055-80800 9896-055-80801
GE	CT Max, 640, CT Plus, Sytec 1800i	MX100 CT MAX	D3502T, 46-274230G801, 46-274230G2, 46-155318G10	9896-055-82500 9896-055-82700

Brand	CT Scanner Model	Dunlee Replacement Tube	OEM Part # (s)	Dunlee Part #
GE	CT Max, 640, CT Plus, Sytec 1800i	MX100 CT MAX	D3512T, 46-274230G803, 46-274230G5, 2218455	9896-055-82500 9896-055-82700
GE	Pace Sytec	MX115 Sytec/Pace, DA115	D3302T, 46-274100G801, 46-274100G1, 46-274089G1	9896-055-83500 9896-055-83700
Siemens	Somatom Plus 4	S 502	Siemens Dura 502, 2842040	9896-055-95001
Siemens	Somatom Plus 4 Expert	S 502	Siemens Dura 502, 2842040	9896-055-95001
Siemens	Somatom Plus 4 Power	S 502	Siemens Dura 502, 2842040	9896-055-95001
Siemens	Somatom Sensation 4	Akron B	4791005	9896-055-95702
Siemens	Somatom Sensation Volume Zoom	Akron B	4791005	9896-055-95702
Siemens	Somatom Sensation Volume Access	Akron B	4791005	9896-055-95702
Siemens	Somatom Sensation 10	Akron Q	7393148	9896-055-95902
Siemens	Somatom Sensation 16	Akron Q	7393148	9896-055-95902
Siemens	Somatom Sensation Cardiac	Akron Q	7393148	9896-055-95902
Siemens	Somatom Esprit	Dura 181-MV	5534008	OEM Proprietary
Siemens	Somatom Esprit +	Dura 202-MV	5534750	OEM Proprietary
Siemens	Somatom Emotion/Emotion Duo	Dura 202-MV	5534750	OEM Proprietary
Siemens	Somatom Balance	Dura 302-MV	5534800	OEM Proprietary
Siemens	Somatom Emotion	Dura 302-MV	5534800	OEM Proprietary
Siemens	Somatom Emotion/Emotion Duo	Dura 352-MV	5534990	OEM Proprietary
Siemens	Somatom Smile	Opti 131 CT	7054138	OEM Proprietary
Siemens	Somatom Plus-S/Plus-Classic	Dura 432 / Dura-S	1125769	OEM Proprietary
Siemens	Somatom Emotion	*Dura 422 or Dura 352	5534776	OEM Proprietary
Siemens	Somatom Emotion Duo	*Dura 422 or Dura 352	5534776	OEM Proprietary
Siemens	Somatom Emotion 6	*Dura 422 or Dura 352	5534776	OEM Proprietary
Siemens	Somatom Emotion 16	*Dura 422	5534776	OEM Proprietary
Siemens	Somatom Sensation 16	*Straton	7115301	OEM Proprietary

Brand	CT Scanner Model	Dunlee Replacement Tube	OEM Part # (s)	Dunlee Part #
Siemens	Somatom Sensation 40, Open	*Straton	7738110	OEM Proprietary
Siemens	Somatom Sensation 64, Cardiac	*Straton	7737807	OEM Proprietary
Siemens	Somatom Definition	*Straton (2 used)	7115301	OEM Proprietary
Siemens	Somatom Definition Edge	*Straton	7115301	OEM Proprietary
Siemens	Biograph 2 PET/CT	*Dura 352MV	5534990	OEM Proprietary
Siemens	Biograph 6 PET/CT	*Dura 422MV	5534776	OEM Proprietary
Siemens	Biograph 16 PET/CT	Dura Akron Q**	7393148	9896-055-95902
Siemens	Biograph TruePoint PET/CT	*Straton	7115301	OEM Proprietary
Siemens	Biograph MCT	*Straton	7115302	OEM Proprietary
Picker	IQ	CTR1569RC	9896-055-94602	9896-055-94602
Picker	IQ	CTR1568RC	9896-055-94603	9896-055-94603
Picker	PQ 2000	CTR1563RC	9896-055-94701	9896-055-94701
Picker	PQ 2000	CTR1590RC**	9896-055-94702	9896-055-94702
Picker	PQ 5000	CTR1762RGQ	9896-055-94803	9896-055-94803
Picker	PQ 5000	CTR1790RGQ	9896-055-94807	9896-055-94807
Picker	Ultra Z	CTR1792RGQ	9896-055-94811	9896-055-94811
Picker	ACQsim	*CTR1793RGQ	9896-055-94812	OEM Proprietary
Elscent	1800, 2000 Sprint	Elscent GS-1089**	GS-1089, B-160H	9896-055-70610
Elscent	Select CT	Elscent GS-1584 W/OUT HE**	GS-1584, B-230	9896-055-70510
Elscent	2000 Sprint Upgraded	Elscent GS-1587	GS-1587, B-180H	Not Available
Elscent	Select CT Upgraded	B245Elscent, Elscent GS-3074	GS-3074, B-245	9896-055-70410
Elscent	Twin, HeliCat	B240 Elscent, Elscent GS-3077	GS-3077, B-240H	9896-055-70210
Elscent	Twin, Flash, RTS, HeliCat	Elscent GS-5079**	GS-5079, B-502H	Not Available
Elscent	Twin, Flash, RTS	Elscent GS-6079**	GS-6079, B-502H	Not Available
Philips	Tomoscan M, EG	Philips GS-298	GS-298, B-130	9896-055-72870
Philips	Tomoscan M, EG	Philips GS-1093	GS-1093, B-160H	9896-055-72880
Philips	Tomoscan CX, TX	DA180 Philips	GS-1580, B-180h	9896-055-82302
Philips	Tomoscan CX, TX	B180 Philips	GS-1580, B-180h	9896-055-88500
Philips	Tomoscan CX, TX	Philips GS-1580	GS-1580, B-180h	9896-055-72810
Philips	Tomoscan LX, LX/C, SR6000	DA220 PHIL	GS-2070, B-200H	9896-055-82402
Philips	Tomoscan LX, LX/C, SR6000	B220 Philips	GS-2070, B-200H	9896-055-89500

Brand	CT Scanner Model	Dunlee Replacement Tube	OEM Part # (s)	Dunlee Part #
Siemens	Somatom Sensation 40, Open	*Straton	7738110	OEM Proprietary
Siemens	Somatom Sensation 64, Cardiac	*Straton	7737807	OEM Proprietary
Siemens	Somatom Definition	*Straton (2 used)	7115301	OEM Proprietary
Siemens	Somatom Definition Edge	*Straton	7115301	OEM Proprietary
Siemens	Biograph 2 PET/CT	*Dura 352MV	5534990	OEM Proprietary
Siemens	Biograph 6 PET/CT	*Dura 422MV	5534776	OEM Proprietary
Siemens	Biograph 16 PET/CT	Dura Akron Q**	7393148	9896-055-95902
Siemens	Biograph TruePoint PET/CT	*Straton	7115301	OEM Proprietary
Siemens	Biograph MCT	*Straton	7115302	OEM Proprietary
Picker	IQ	CTR1569RC	9896-055-94602	9896-055-94602
Picker	IQ	CTR1568RC	9896-055-94603	9896-055-94603
Picker	PQ 2000	CTR1563RC	9896-055-94701	9896-055-94701
Picker	PQ 2000	CTR1590RC**	9896-055-94702	9896-055-94702
Picker	PQ 5000	CTR1762RGQ	9896-055-94803	9896-055-94803
Picker	PQ 5000	CTR1790RGQ	9896-055-94807	9896-055-94807
Picker	Ultra Z	CTR1792RGQ	9896-055-94811	9896-055-94811
Picker	ACQsim	*CTR1793RGQ	9896-055-94812	OEM Proprietary
Elscint	1800, 2000 Sprint	Elscint GS-1089**	GS-1089, B-160H	9896-055-70610
Elscint	Select CT	Elscint GS-1584 W/OUT HE**	GS-1584, B-230	9896-055-70510
Elscint	2000 Sprint Upgraded	Elscint GS-1587	GS-1587, B-180H	Not Available
Elscint	Select CT Upgraded	B245Elscint, Elscint GS-3074	GS-3074, B-245	9896-055-70410
Elscint	Twin, HeliCat	B240 Elscint, Elscint GS-3077	GS-3077, B-240H	9896-055-70210
Elscint	Twin, Flash, RTS, HeliCat	Elscint GS-5079**	GS-5079, B-502H	Not Available
Elscint	Twin, Flash, RTS	Elscint GS-6079**	GS-6079, B-502H	Not Available
Philips	Tomoscan M, EG	Philips GS-298	GS-298, B-130	9896-055-72870
Philips	Tomoscan M, EG	Philips GS-1093	GS-1093, B-160H	9896-055-72880
Philips	Tomoscan CX, TX	DA180 Philips	GS-1580, B-180h	9896-055-82302
Philips	Tomoscan CX, TX	B180 Philips	GS-1580, B-180h	9896-055-88500
Philips	Tomoscan CX, TX	Philips GS-1580	GS-1580, B-180h	9896-055-72810
Philips	Tomoscan LX, LX/C, SR6000	DA220 PHIL	GS-2070, B-200H	9896-055-82402
Philips	Tomoscan LX, LX/C, SR6000	B220 Philips	GS-2070, B-200H	9896-055-89500

Brand	CT Scanner Model	Replacement Tube	OEM Part # (s)	Dunlee Part #
Toshiba	Aquilion 64, Cardiac	*Aquilion	CXB-750A-B605H / GS7078	OEM Proprietary
Toshiba	Aquilion 64, SP	*Aquilion	CXB-750A-B605H / GS7078	OEM Proprietary
Toshiba	Aquilion 32, Cardiac	*Aquilion	CXB-750A-B605H / GS7078	OEM Proprietary
Toshiba	Aquilion 128 CX	*Aquilion	CXB-750A-B605H / GS7078	OEM Proprietary
Toshiba	Aquilion 320 ONE	*Aquilion	CXB-750A-B605H / GS7078	OEM Proprietary
Toshiba	Aquilion Prime	*Aquilion	CXB-750A-B605H / GS7078	OEM Proprietary
Toshiba	Aquilion 160 Premium	*Aquilion	CXB-750A-B605H / GS7078	OEM Proprietary
Toshiba	Aquilion LB	*Aquilion	CXB-750A-B605H / GS7078	OEM Proprietary
Toshiba	Aquilion 4	*Aquilion	CXB-750A-B605H / GS7078	OEM Proprietary
Toshiba	Aquilion 1	*Aquilion	CXB-750A-B605H / GS7078	OEM Proprietary
Toshiba	Aquilion 16, Cardiac	*Aquilion	CXB-750A-B605H / GS7078	OEM Proprietary
Toshiba	Aquilion 8	*Aquilion	CXB-750A-B605H / GS7078	OEM Proprietary
Toshiba	Aquilion Super 4	*Aquilion	CXB-750A-B605H / GS7078	OEM Proprietary
Toshiba	Asteion VR, VI, Multi	*B501	GS-6078	OEM Proprietary
Toshiba	Asteion Dual, VR, VI, Multi	*Heli-cool XH-168	E7281X / CXB - 400B/3A/3A	OEM Proprietary
Toshiba	Asteion VF	*B-220H, HE-581A	GS 2081	OEM Proprietary
Toshiba	Auklet, Auklet/FS	*B-220H, HE-581A	GS 2081	OEM Proprietary
Toshiba	TCT 80A, 300, 400, 500, 600, S, HQ	DA180 Toshiba, B180 Toshiba	GS-1588, B-180H	9896-055-82301 9896-055-88200
Toshiba	Xspeed, 600S, XT, HQ	DA220 Toshiba, B220 Toshiba	GS-2078, B-220H	9896-055-82401 9896-055-89200
Toshiba	TCT 900, Xpress CL, GX, HS1, SX	DA240 Toshiba	CXB-350A, GS 3078, B240H HE581A	9896-055-86602
Shimadzu	SCT 3000, 4500, 4800TF	DA180 SHIMADZU	GS-1585, B-180H	9896-055-82303
Shimadzu	SCT 3000, 4500, 4800TF	B180 SHIMADZU	GS-1585, B-180H	9896-055-88600
Shimadzu	SCT 5000T, 4800TH, 7000TC	DA220 SHIMADZU	GS-2075, B-220H	9896-055-82403
Shimadzu	SCT 5000T, 4800TH, 7000TC	B220 SHIMADZU	GS-2075, B-220H	9896-055-89600
Shimadzu	SCT 6800TX, 6800TXL, 7000TX	DA240 SHIMADZU	GS-3075, B-240H	9896-055-86601
EOS Imaging (Biospace)	EOS	*CTR 1725 CSBS	9896-055-94044	OEM Proprietary
		*CTR 1725 GSBS	9896-055-94055	OEM Proprietary
Neusoft	Hercules 64 Base	*CTR 2250	9896-055-92404	OEM Proprietary
Neusoft	Hercules 64 Power	*CTR 2280	9896-055-92405	OEM Proprietary

* indicates the tube is proprietary Subject to change without notice. All products listed may be trademarked by the associated OEM

**Distribution of product may be restricted.

Dunlee Tube Return Policy

If a unit needs to be returned for warranty consideration or housing credit, please make sure you do the following:

- 1) Complete the Tube Return Form with all pertinent information. The Tube Return Form is included in each technical data packet and is also available online at www.dunlee.com.
- 2) Fax the completed form to our Customer Support group at 630.585.2125.
- 3) Upon receipt of the fax, you will be issued a Return Authorization number. Please reference this number on your copy of the Tube Return Form.
 - Ship the product freight prepaid back to Dunlee.
 - Please send CT and CV tube returns to Dunlee Aurora at 555 North Commerce Street, Aurora, IL 60504.
 - Please send Radiographic tube returns to Dunlee Arlington at 2312 Avenue J, Arlington, TX 76006.

NOTE: For proper receipt of your returned goods, enclose a copy of the Tube Return Form (with Return Authorization number recorded on it) inside the carton with the product. Retain a copy of the Tube Return Form and shipping documentation for your records.

Tubes Returned for Warranty Evaluation or Repair

Ship only prepaid in proper container, insure for full value, and enclose completed Tube Return Form.

New Tubes Returned for Restocking

Ship only prepaid in original container and insure for full value. These new tubes are subject to a 10% of net restocking charge to cover necessary inspection and testing procedures. Complete applicable section(s) of the Tube Return Form and enclose with product.

Housing Credit Only

Ship only prepaid in proper container and enclose completed Tube Return Form.

ISO 13485 REGISTERED



Dunlee's Quality Management System is certified to comply with ISO 13485 for medical devices. Dunlee is approved under EC Directive 93/42/EEC Annex II, Article 3, "Full Quality Assurance System" to CE mark its products. Most of Dunlee's products are approved to carry the CE mark. All Dunlee manufactured and reloaded products are registered with the FDA (CDRH) via an initial report. Most Dunlee manufactured units are certified as recognized component per UL 60601-1 Medical Electrical Equipment.

European Union Representative

Philips Medical Systems

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