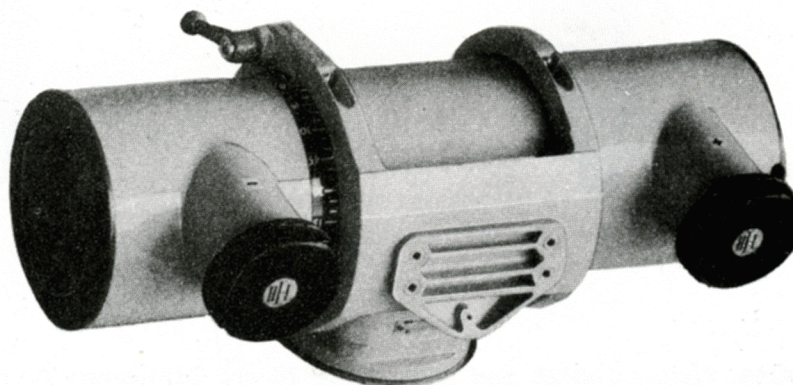
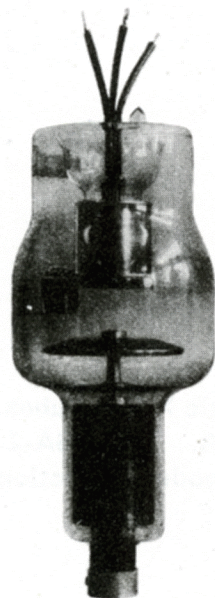




# X-RAY TUBES

## FOR MEDICAL APPLICATIONS

### ROTATING ANODE X-RAY TUBE



DRA 1-125/20/40 is a Rotating Anode Diagnostic X-Ray Tube with 2 Focal spots. It is fitted into a hermetically sealed Tube Head Assembly THX-1-125/80. H.T. Cable can be directly connected to the Tube Head Assembly. The entire assembly conforms to IS: 6567/1972. The tube DRA 1-125/20/40 and H.T. Cable are supplied separately also for replacement purposes. The tube Head THX 1-125/80 can be used in generators upto 500 mA.

#### TECHNICAL DATA

##### X-RAY TUBE

Nominal Voltage	
On Self-Rectified	
Generators	: 100 kV
On Full-Wave Rectified	
Generators	: 125 kV
Anode Heat Storage	
Capacity	: 115,000 HU
Optical Focal Spot S 20	: 1.2mm × 1.2mm
Optical Focal Spot S 40	: 2.0mm × 2.0mm
Filament Heating S 20	{ 4.0V to 9.0V 5.0A to 9.0A
Filament Heating S 40	{ 6.0V to 14.0V 5.0A to 9.0A
Target Speed	: 2800 rpm (approx).
Target Angle	: 17.5°

##### TUBE HEAD

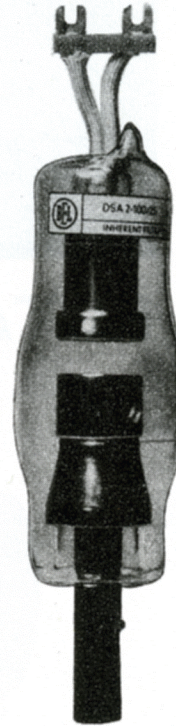
Total Heat Storage	
Capacity	: 1,500,000 HU
Temperature Range	
(Outer Wall)	: -20°C to +100°C
Distance-Focal Spot to	
Diaphragm Flange	: 80mm
Total Filtration	: 2mm Al min.
Quick Start	
(0.8 sec.)	: 220V-5.0A
Continuous Rotation	: 50V-1.2A
Weight (with tube	
DRA 1-125/20/40)	: Approx. 18 kg.
Cable Receptacles	: Conform to
	IS: 6758/1972

##### H.T. CABLE

Cable Capacity	: 180 pF (measured	Resistance	: 6 m ohms/m
	between earth	Dielectric Strength	: 50 kV AC (RMS)
	braiding and inner		50 Hz Full Wave
	core of conductors)		120 kV for Constant DC

Terminal Configuration Conforms to IS: 6757/1972

# STATIONARY ANODE X-RAY TUBES



DSA-1-85/15, DSA-2-100/25 and DSA-3-100/25 are Stationary Anode Diagnostic X-Ray Tubes. The DSA-1-85/15 tube can be used in single tank generators upto 30 mA. The DSA-2-100/25 and DSA-3-100/25 which are similar in all respects except for anode projection length, can be used in single tank generators upto 60 mA.

## TECHNICAL DATA

### DSA-1-85/15

85 kV  
 1.8mm × 1.8mm  
 200W  
 26,000 HU  
 3.0V to 7.0V  
 3.0A to 4.2A  
 Oil Convection Cooling  
 Approx. 1.5mm Al  
 Self-Rectified  
 Approx. 330 gm.  
 Diagnostic, Fluoroscopy &  
 Radiography

### Nominal Voltage on Self-Rectified

: Generation  
 : Optical Focal Spot  
 : Nominal Continuous Rating  
 : Anode Heat Storage Capacity  
 : Filament Heating  
 : Anode Cooling  
 : Inherent Filtration in useful Beam  
 : Type of Operation  
 : Weight  
 : Application

### DSA-2-100/25 & DSA-3-100/25

: 100 kV  
 : 2.8mm × 2.8mm  
 : 200W  
 : 40,000 HU  
 : 4.0V to 8.5V  
 : 3.0A to 4.2A  
 : Oil Convection Cooling  
 : Approx. 1.5mm Al  
 : Self-Rectified  
 : Approx. 500 gm.  
 : Diagnostic, Fluoroscopy &  
 Radiography

Address your enquiries to Chief Commercial Manager



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