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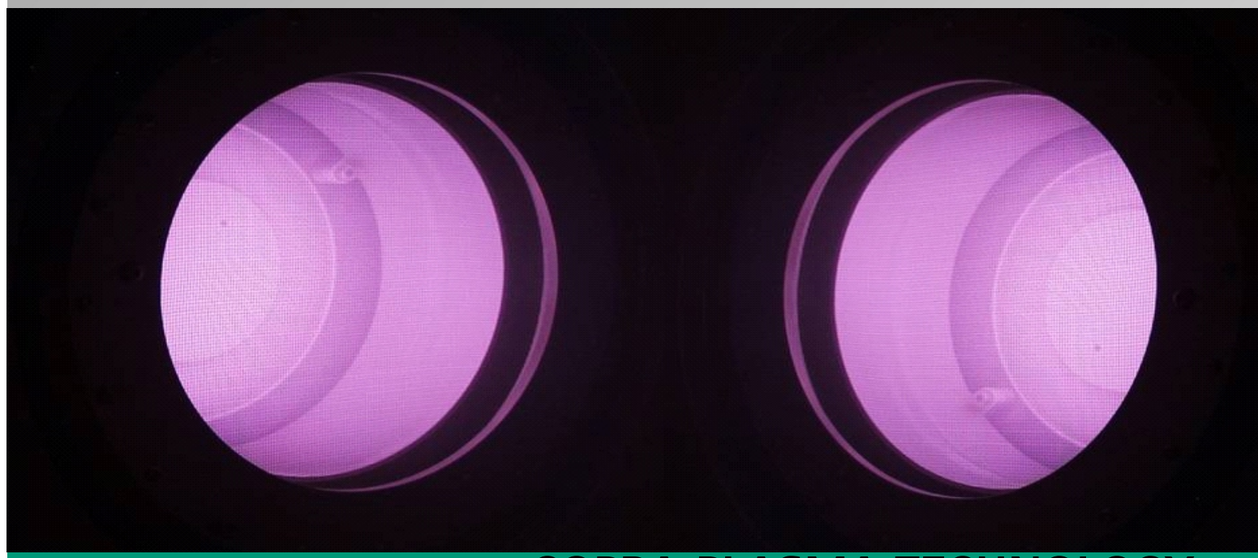


COPRA PLASMA TECHNOLOGY

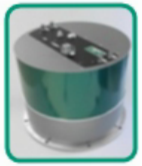
Table of Specification

COPRA Plasma Technology

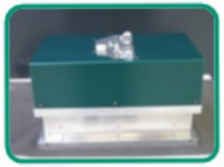
1997 - 1998 - 1999 - 2000 - 2001 - 2002 - 2003 - 2004 - 2005 - 2006 - 2007 - 2008 - 2009 - 2010

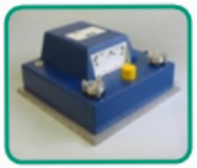

DN160/200

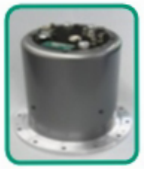

DN250 CF

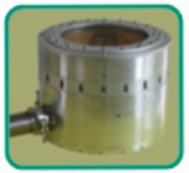

DN400

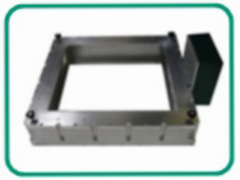

DN500

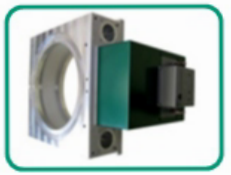

LS5 / 6


LS9


DN250 ISO-K


IS300


RS 9/10/11


RS400

COPRA Model	Plasma Size	Max RF-Power	Weight	Magnetic Field	Tungsten Grid	Glass Liner	Energy Variation	Remote Control	Ion Current Density	Ion Energy
DN 160 CF	Ø = 84 mm	600 W	10 kg	√	√	√	-	-	0.01 – 0.5 mA/cm^2	10 – 200 eV
DN 200 CF	Ø = 122 mm	600 W	14.5 kg	√	√	√	-	-	0.01 – 0.5 mA/cm^2	10 – 200 eV
DN 250 CF	Ø = 162 mm	1800 W	25.5 kg	√	√	√	√	√	0.01 – 1.6 mA/cm^2	10 – 250 eV
DN 250 ISO-K	Ø = 162 mm	3000 W	17 kg	√	√	√	√	√	0.01 – 2.5 mA/cm^2	10 - 250 eV
DN 400	Ø = 264 mm	5000 W	40 kg	√	√	√	√	√	0.01 – 2 .0 mA/cm^2	10 - 250 eV
DN 500	Ø = 398 mm	5000 W	46 kg	√	√	√	-	√	0.01 – 1.6 mA/cm^2	10 – 200 eV
LS 5	400 x 160 mm^2	5000 W	72 kg	√	-	√	-	√	0.01 – 3.5 mA/cm^2	10 – 120 eV
LS 6	863 x 165 mm^2	5000 W	109 kg	√	-	√	-	√	0.01 – 2.5 mA/cm^2	10 - 120 eV
LS 9	500 x 500 mm^2	5000 W	139 kg	-	-	√	-	√	0.01 – 0.9 mA/cm^2	10 – 30 eV
RS 400	Ø = 400 mm	5000 W	117 kg	-	-	√	-	√	0.01 – 1.0 mA/cm^2	10 - 30 eV
RS 9	500 x 500 mm^2	5000 W	127 kg	-	-	√	-	√	0.01 – 0.9 mA/cm^2	10 – 30 eV
RS10	800 x 800 mm^2	10.000 W	199 kg	-	-	√	-	√	0.01 – 0.9 mA/cm^2	10 – 30 eV
RS11	1200 x 1200 mm^2	15.000 W	245 kg	-	-	√	-	√	0.01 – 0.9 mA/cm^2	10 - 30 eV
IS-300	Ø = 220 mm	3000 W	27.5 kg	√	√	√	√	√	0.01 – 1.8 mA/cm^2	10 – 250 eV

DN = Round Sources, LS = Line and Rectangular Sources, RS = Ring Sources, IS = Inbuild Sources

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