

# Single/Three Phase HEMP Filter

## TECHNICAL SPECIFICATIONS:

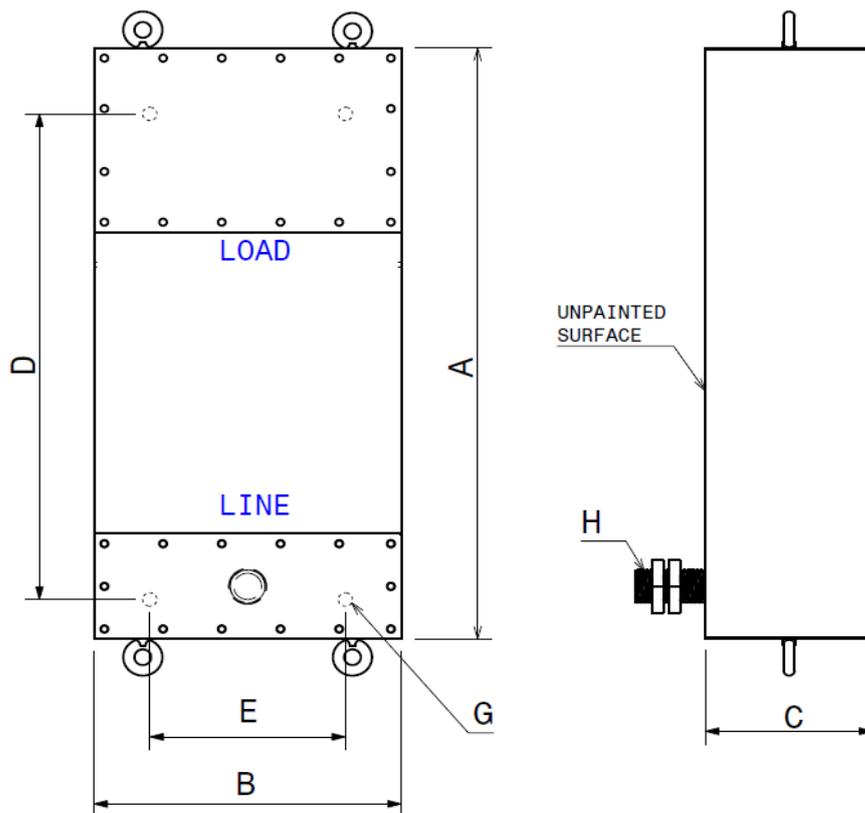
Nominal Voltage	:	230 VAC for Single Phase
	:	440 VAC for Single Phase
Operating Frequency	:	50/60Hz
Nominal Current	:	Upto 2000A
Short Pulse Common Mode	:	5kA (20ns/500ns-550ns) $\leq$ 10A
Short Pulse Line to Ground	:	2.5kA (20ns/500ns-550ns) $\leq$ 10A
Intermediate Pulse Common mode	:	0.25kA (1.5 $\mu$ s/3ms-5ms) – No Damage
Intermediate Pulse Line to Ground	:	0.25kA (1.5 $\mu$ s/3ms-5ms) – No Damage
Overload Current Rating	:	140% of Rated Current for 15 minutes
Discharge Resistance	:	1.5M $\Omega$ internally connected
Insulation Resistance	:	>100M $\Omega$ (Prior to fixing Discharger resistors)
Voltage Drop	:	Max 2% @ 240VAC
Operating Temperature range	:	-40°C to 55°C
Dielectric withstand voltage	:	2500VDC
Casing Material	:	CRCA
Plating	:	Electrodeposited Tin Plating (ASTMB545)
Finish	:	Paint Over Primer

## INSERTION LOSS

Frequency	10 KHz	100KHZ	1MHz	10MHz	100MHz	1GHz	3GHz
Insertion Loss	20dB	40dB	60dB	80dB	80dB	80dB	80dB

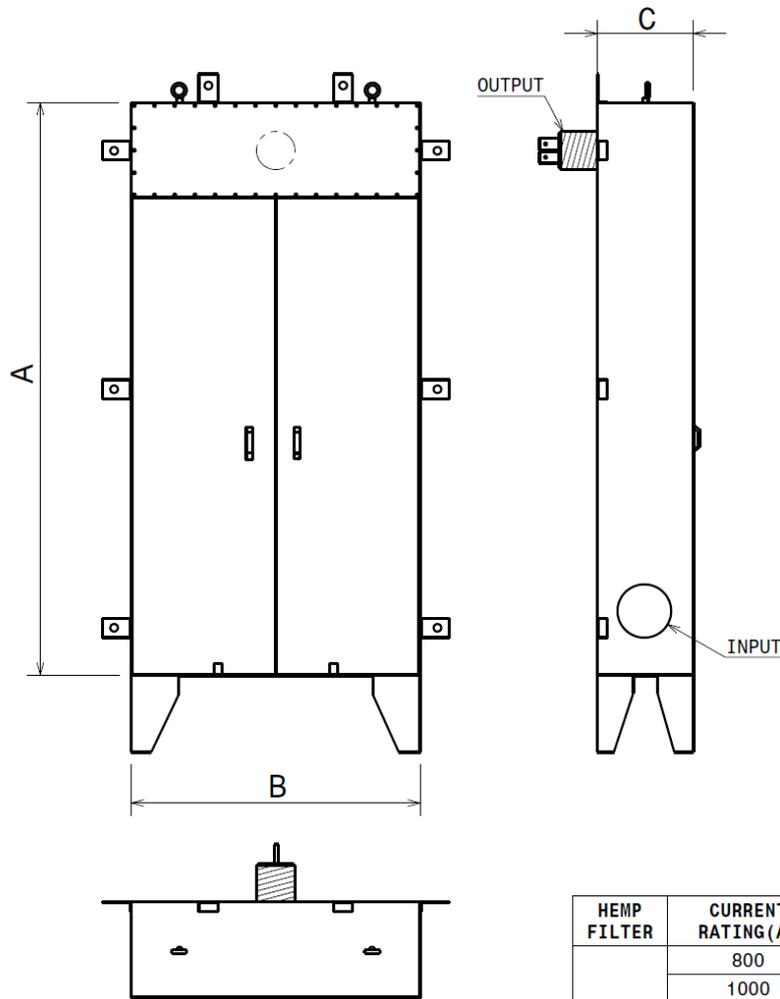
\*\* Very High attenuation Filter upto 40GHz can be made as per customer request.

## MECHANICAL DIMENSIONS



HEMP FILTER	CURRENT RATING (A)	A	B	C	D	E	F	G	H
2 LINE	6 & 16	450	220	150	380	170	25	8.5	M25
	32	800	240	200	700	190	25	8.5	M30
	63	900	300	200	800	250	30	8.5	M30
	100	1050	340	200	950	280	40	10.5	M40
	150	1250	500	200	1100	440	50	10.5	M60
	200	1250	500	250	1100	440	60	12.5	M75
	300	1500	500	250	1350	440	70	12.5	M75
	400	1800	500	250	1650	440	70	12.5	M80
	500	1800	500	250	1650	440	80	12.5	M80
	600	2200	500	300	2050	440	80	12.5	M100
700	2200	500	300	2050	440	80	12.5	M100	
MAT: CRCA / PAINTED		TERMINATION : NUT & BOLT							
4 LINE	6 & 16	450	440	150	380	380	30	8.5	M30
	32	800	480	200	700	420	30	8.5	M50
	63	900	600	200	800	540	40	8.5	M50
	100	1050	680	200	950	610	40	10.5	M50
	150	1250	950	200	1100	880	50	10.5	M60
	200	1250	950	250	1100	880	50	12.5	M70
	300	1500	950	250	1350	880	75	12.5	M100
	400	1800	950	250	1650	880	75	12.5	M180
	500	1800	950	250	1650	880	75	12.5	M260
	600	2200	1000	300	2050	900	75	12.5	M280
700	2200	1000	300	2050	900	75	12.5	M300	

FOR HIGH CURRENTS PIPE SIZE AS PER CUSTOMER REQUEST



**NOTE:**

1. INPUT CONNECTION CAN BE TAKEN VIA KNOCKOUT HOLE OR CONNECTIONS CAN BE MADE THROUGH THE EXTENDED BUSBAR
2. OUTPUT CONNECTION IS MADE THROUGH THE EXTENDED BUSBAR WHICH COMES VIA THREADED PIPE

\*\*\*PIPE SIZE AS PER CUSTOMER REQUIREMENTS

HEMP FILTER	CURRENT RATING (A)	A	B	C
2 LINE	800	2500	700	350
	1000	2700	700	350
	1200	2700	700	350
	1500	2700	700	350
	2000	3400	750	500
4 LINE	800	2500	1200	350
	1000	2700	1200	350
	1200	2700	1200	350
	1500	2700	1200	350
	2000	3400	1250	500
MAT: GI OVER POWDER COATING (OUTER ENCLOSURE)				

**EMI Solutions Pvt. Ltd.**

#237-A5, Bommasandra Industrial Area, Hosur Road, Bangalore-560 099,  
Marketing: +91 80 27836880, Email: marketing@emisindia.com

Total solutions to EMI