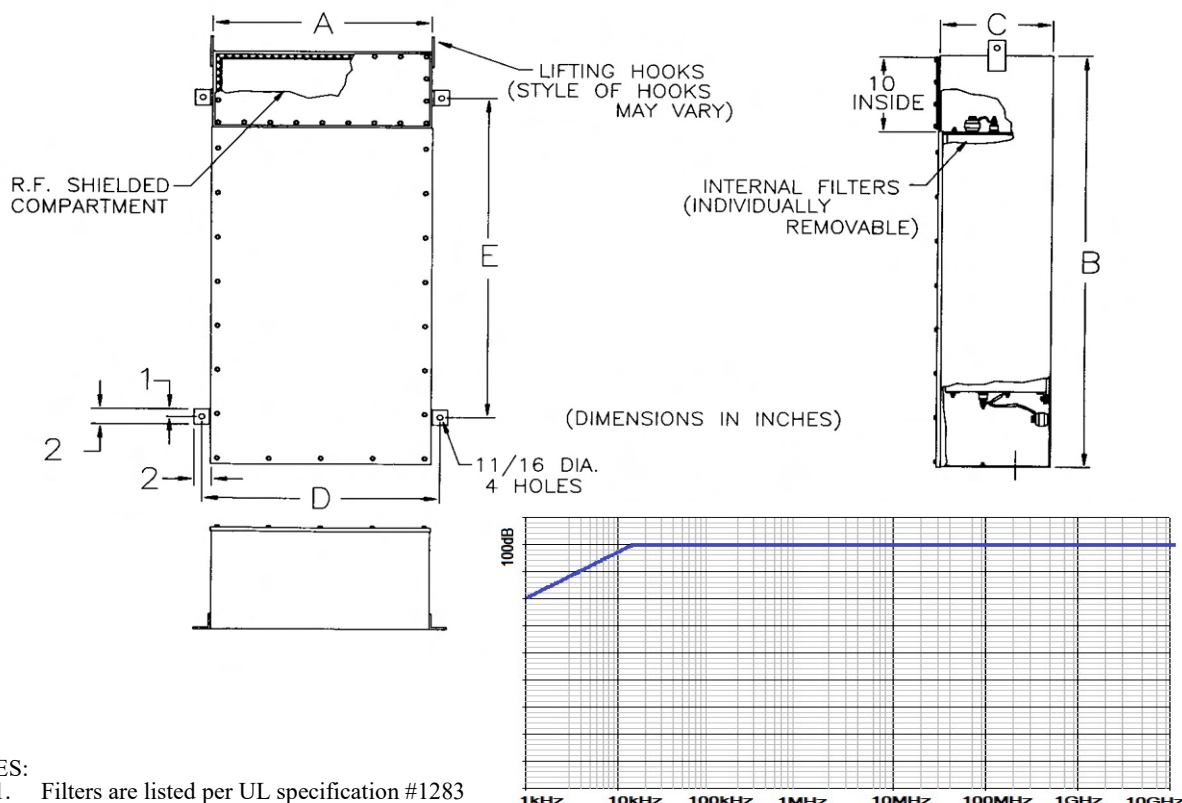


## HEMP Filter Cabinets

*For Tempest Application 100dB from 14kHz to 10GHz*  
IAW UL Safety Specification 1283



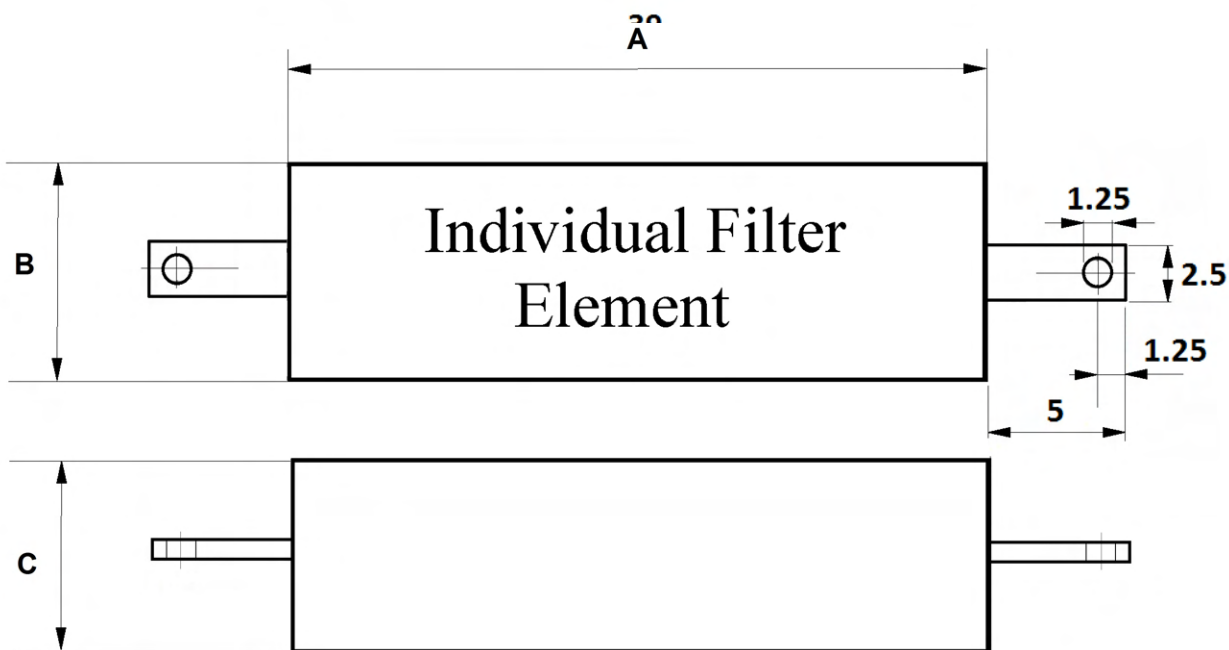
### NOTES:

- Filters are listed per UL specification #1283
- Temperature Range: Operating -55°C to +85°C
- Enclosures are made from cold rolled steel with continuously welded seams
- Filter ground path connecting surfaces shall be tin plated or stainless steel
- Conduit hubs or clearance holes may be provided if specified when ordering
- Each phase filter is individually removable
- Internal filters are filled with a non-flammable impregnant and hermetically sealed
- Legs for floor mounting may be provided if specified when ordering
- Filters for 300AMP and up have 6" x 2" mounting U-Channel

Part Number	Current Rating (AMP)	Voltage Rating		Frequency Rating (Hz)	Dimensions (INCHES)					Weight Approx. (LBS)
		LG / LL VAC	VDC		A±.060	B±.060	C±.060	D±.060	E±.060	
FCULX-4 X 30E2 HEMP	4 x 30	277 / 480	600	60	28	48	6	30	26	220
FCULX-4 X 60E2 HEMP	4 x 60	277 / 480	600	60	28	48	8	30	29	315
FCULX-4 X 100E2 HEMP	4 x 100	277 / 480	600	60	57	60	10	40	48	520
FCULX-4 X 225E2 HEMP	4 x 225	277 / 480	600	60	28	60	16	30	48	750
FCULX-4 X 250E2 HEMP	4 x 250	277 / 480	600	60	28	60	16	30	42	750
FCULX-4 X 300E2 HEMP	4 x 300	277 / 480	600	60	60	84	16	63	44	850
FCULX-4 X 400E2 HEMP	4 x 400	277 / 480	600	60	60	84	16	63	44	975
FCULX-4 X 500E2 HEMP	4 x 500	277 / 480	600	60	60	84	16	63	44	1075
FCULX-4 X 600E2 HEMP	4 x 600	277 / 480	600	60	45	84	34	48	44	1600
FCULX-4 X 800E2 HEMP	4 x 800	277 / 480	600	60	60	72	34	63	44	2400
FCULX-4 X 1000E2 HEMP	4 x 1000	277 / 480	600	60	60	72	34	63	44	2500
FCULX-4 X 1200E2 HEMP	4 x 1200	277 / 480	600	60	96	72	34	99	44	2750
FCULX-4 X 1500E2 HEMP	4 x 1500	277 / 480	600	60	96	72	34	99	44	2900

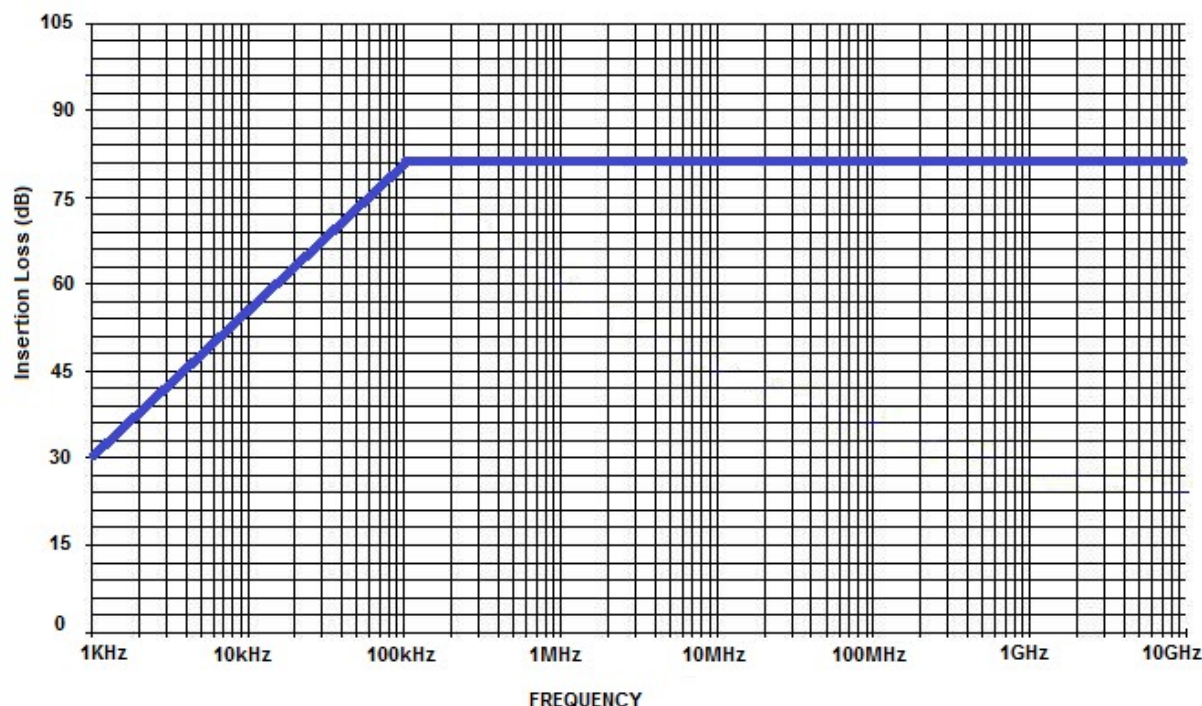
\*All Filter Cabinets are also available in 3 line and 4 line configuration

## Series FCHS- HEMP Single Individual Filter Elements



PART NO	CURRENT RATING (AMP)	VOLTAGE RATING (VAC)	FREQ RATING (HZ)	WIRE SIZE	DIMENSIONS (INCH)			INSERTION LOSS (DB)				
					A	B	C	100kHz	1MHz	10MHz	100MHz	1GHz
SOL-800-E2	800	277	0-60	2.5 x 0.5 Bus Bar	35	17	14	80	80	80	80	80
SOL-400-E2	400	277	0-60	250MCM	32	16	12	80	80	80	80	80
SOL-100-E2	100	277	0-60	#2	30	14	10	80	80	80	80	80
SOL-60-E2	60	277	0-60	#10	28	14	8	80	80	80	80	80
SOL-30-E2	30	277	0-60	#10	28	14	6	80	80	80	80	80

## *Series FCHS: HEMP Single Individual Filter Elements*



### ELECTRICAL

**CURRENT RATING:** The filters shall be capable of withstanding 140% of rated current for 15 minutes without any deterioration.

**INSERTION LOSS:** The filter shall provide the specified insertion loss of 80 db minimum over its indicated frequency range when measured in accordance with the applicable MIL-STD-220C by a government approved laboratory.

**VOLTAGE:** The filters shall be capable of operating continuously at full- rated voltage and of withstanding an initial voltage test of twice the rated voltage for one minute.

### MECHANICAL

**CASE:** The filter case shall be made of cold-rolled steel.

**FINISH:** All filter cases shall be made corrosion-resistant with suitable lacquer over primer. All unfinished grounding surfaces shall be protected by suitable plating.

**IMPREGNANT:** The impregnant shall be non-flammable as classified by Underwriters Laboratories.

**TERMINALS:** The terminals shall be made of high temperature alumina ceramic. The ceramic terminal shall have a flexible insulated lead, one end of which is permanently affixed to the terminal. The other end shall be terminated in a permanently affixed lug which shall be mounted on approved flame-retardant insulator.

### OPERATING TEMPERATURE

**FILTER ELEMENT:** Assembly: from 0°F to 104°F (-18°C to 40°C) at rated voltage and full load operations

Components: from 0°F to 150°F (-18°C to 65°C) at rated voltage and full load operations