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Vishay ESTA

# Medium Frequency Capacitors, Water Cooled All-Film Technology up to 5000 Hz



### **FEATURES**

- Dielectric liquid biodegradable
- High quality materials
- Massive connection studs (M20)

#### **APPLICATIONS**

- Induction furnaces and heaters
- Improve power factor
- Tune special furnace circuits

#### **STANDARDS**

• IEC CEI 60110-1

#### Note

Capacitor in accordance with other standards available upon request

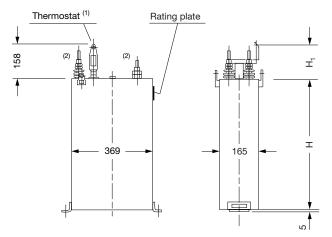
QUICK REFERENCE DATA				
Series	Phawok medium frequency capacitors			
Description	Medium frequency capacitors, water cooled, indoor			
Туре	Capacitors, induction heating			
Technology	All-film polypropylene / aluminum foil			
Voltage min. (V)	200			
Voltage max. (V)	3000			
Frequency min. (Hz)	75			
Frequency max. (Hz)	8000			
Output min. (kvar)	150			
Output max. (kvar)	5000			

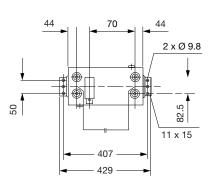
TECHNICAL DATA					
Internal connection	Dead or live case				
Temperature category	+1 °C to +50 °C				
Capacitance tolerance	-10 % / +10 %				
Dielectric	All-film polypropylene / aluminum foil				
Impregnating agent	Synthetic oil (non-PCB)				
Protection	Pressure monitoring device / thermostat				
Standards	IEC CEI 60110-1				
Cooling system	Water cooling, outflowing water temperature 40 °C maximum				
Bushings	Porcelain, screw type, M20				
Casing	Brass sheet welded				
Mounting	Upright or horizontally position				
Standard color	RAL 7033 / other colors available upon request				
Erection	Indoor				

# Phawo...k.. Medium Frequency Capacitors

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### **FORMS OF CONSTRUCTION**





Standard case dimensions: 369 mm x 165 mm x H mm (other dimensions upon request)

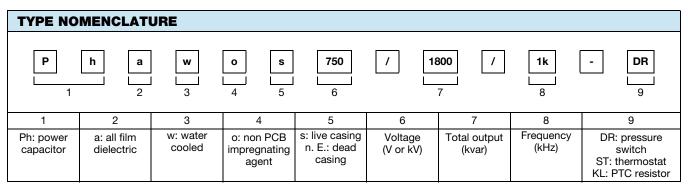
#### Notes

- (1) Upon request
- (2) Water connection

DIMENSIONS AND WEIGHT									
FREQUENCY f (Hz)	RATED VOLTAGE U <sub>N</sub> (V)	OUTPUT Q <sub>n</sub> (kvar)	CURRENT (A)	BUSHING	CASING DIMENSIONS L x W x H (mm)	WEIGHT (kg)			
150	600	800	1333	M20	369 x 165 x 1000	85			
150	3000	2000	667	M20	369 x 165 x 1000	85			
300	600	1375	2400	M20	369 x 165 x 1000	85			
300	3000	4000	1333	M20	369 x 165 x 1000	85			
600	250	560	2240	M20	369 x 165 x 1000	85			
600	3000	8000	2667	M20	369 x 165 x 1000	85			
1000	250	625	2500	M20	369 x 165 x 700	66			
1000	2500	6250	2500	M20	369 x 165 x 950	82			
3000	250	625	2500	M20	369 x 165 x 500	51			
3000	2000	5000	2500	M20	369 x 165 x 500	51			
5000	250	600	2400	M20	369 x 165 x 550	56			
5000	2000	4800	2400	M20	369 x 165 x 550	56			

#### Note

Shown are the maximum power ratings.
Other ratings and voltages are available on request



#### Note

• n. E. = no entry



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