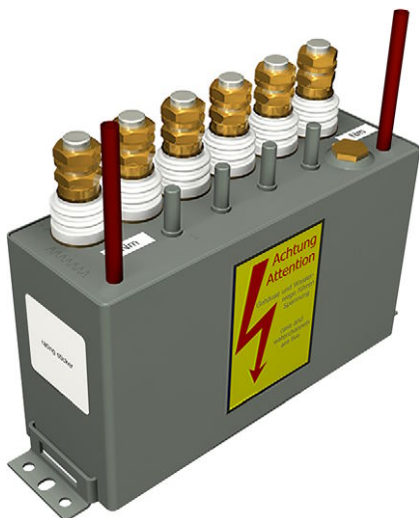


## Medium Frequency Capacitors, Water Cooled All-Film Technology up to 100 000 Hz



### FEATURES

- Dielectric liquid biodegradable
- High quality materials
- Massive connection studs (M12 or 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

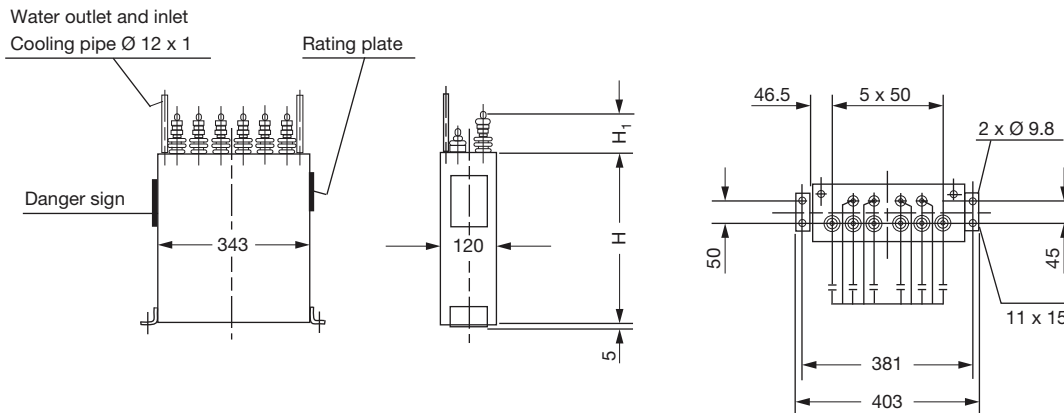
### QUICK REFERENCE DATA

Series	Phawoc medium frequency capacitors
Description	Medium frequency capacitors, water cooled, indoor
Type	Capacitors, induction heating
Technology	All-film polypropylene / aluminum foil
Voltage min. (V)	250
Voltage max. (V)	1000
Frequency min. (Hz)	10 000
Frequency max. (Hz)	100 000
Output min. (kvar)	100
Output max. (kvar)	2000

### TECHNICAL DATA

Internal connection	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, M12 / M20
Casing	Brass sheet welded
Mounting	Upright or horizontally position
Standard color	RAL 7033 / other colors available upon request
Erection	Indoor

## FORMS OF CONSTRUCTION



Standard case dimensions: 343 mm x 120 mm x H mm

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)
10 000	500	980	1960	M12 / M20	343 x 120 x 300	21
10 000	1000	1970	1970	M12 / M20	343 x 120 x 250	19
20 000	500	900	1800	M12 / M20	343 x 120 x 250	19
20 000	1000	1800	1800	M12 / M20	343 x 120 x 200	16
30 000	500	840	1680	M12 / M20	343 x 120 x 250	19
30 000	1000	1700	1700	M12 / M20	343 x 120 x 250	19
40 000	500	810	1620	M12 / M20	343 x 120 x 200	16
40 000	1000	1620	1620	M12 / M20	343 x 120 x 200	16
50 000	500	1020	2040	M12 / M20	343 x 120 x 200	16
50 000	1000	1570	1570	M12 / M20	343 x 120 x 200	16
60 000	500	760	1520	M12 / M20	343 x 120 x 200	16
60 000	1000	1520	1520	M12 / M20	343 x 120 x 200	16
80 000	500	720	1440	M12 / M20	343 x 120 x 200	16
80 000	1000	1450	1450	M12 / M20	343 x 120 x 250	19
100 000	500	700	1400	M12 / M20	343 x 120 x 250	19
100 000	1000	1050	1050	M12 / M20	343 x 120 x 250	19

### Note

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

TYPE NOMENCLATURE													
<div><div>P</div><div>1</div></div>	<div><div>h</div><div>2</div></div>	<div><div>a</div><div>3</div></div>	<div><div>w</div><div>4</div></div>	<div><div>o</div><div>5</div></div>	<div><div>c</div><div>6</div></div>	<div><div>750</div><div>7</div></div>	<div><div>/</div><div>8</div></div>	<div><div>1800</div><div>9</div></div>	<div><div>/</div><div>10</div></div>	<div><div>10k</div><div>11</div></div>	<div><div>S</div><div>12</div></div>	<div><div>-</div><div>13</div></div>	<div><div>KL</div><div>14</div></div>
1	2	3	4	5	6	7	8	9	10				
1	2	3	4	5	6	7	8	9	10				
Ph: power capacitor	a: all film dielectric	w: water cooled	o: non PCB impregnating agent	Special type for higher frequencies	Voltage (V or kV)	Total output (kvar)	Frequency (kHz)	S: partial outputs	KL: PTC resistor n. E.: no device				

### Note

- n. E. = no entry



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