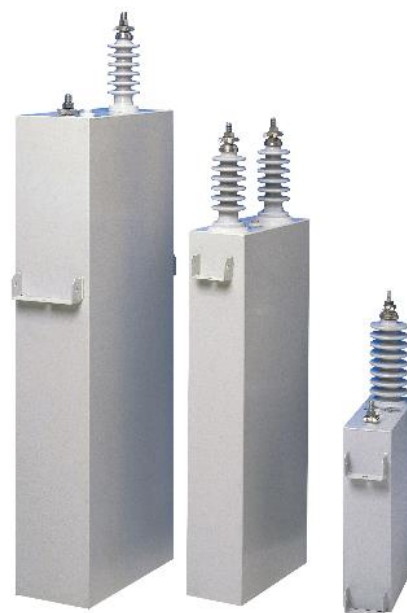
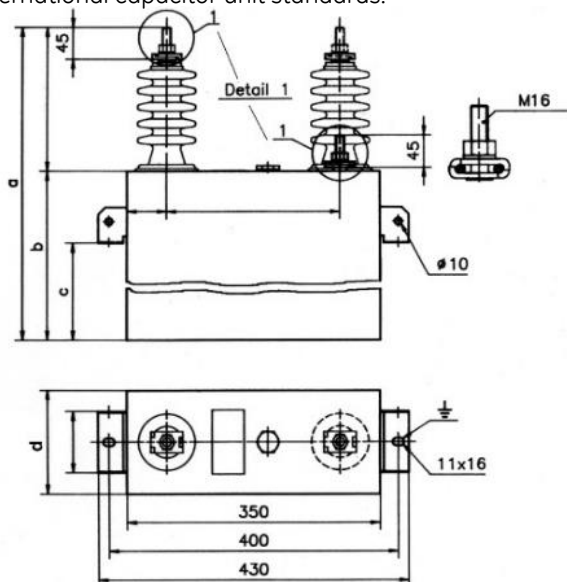


## HV 1-Phase power capacitor units

### Product features

Grid Solutions high voltage power capacitor units are designed and manufactured using the most advanced technology and high quality materials. They are all-film dielectric capacitor units impregnated with a biodegradable dielectric liquid. Each capacitor unit element has the possibility of having separate internal fuse. In addition, each capacitor unit is provided with an internal discharge resistor.

All high voltage power capacitor units are light-weight and have low losses. They comply with most national and international capacitor unit standards.



The dielectric liquid is specially made for capacitor units and has been chosen by Grid Solutions for its excellent electrical properties and heat stability at both low and high temperatures. It is non-PCB, non-chlorine and biodegradable.

- The capacitor units are equipped with weld-type porcelain bushings.
- Capacitor unit containers are made of stainless steel.
- Capacitor units for specific purposes can be designed and manufactured to meet customer requirements.
- Fuseless/External fuse designs on request.

### TECHNICAL DATA

Type	impregnated all-film dielectric
Rated voltage	1000...13,800 V (with internal fuses) up to 24,000 V (without internal fuses)
Rated frequency	50 Hz or 60 Hz
Rated power	up to 1100 kVAr
Average losses	< 0.15 W/kVAr
Dielectric liquid	non-pcb
All-film dielectric	polypropylene
Temperature category	-50° C to + 55° C (D)
Electrical safety	IEC 60871-1 ANSI/IEEE, CSA BS, GOST
Standard colour	Light grey (RAL 7035)
Standard bushings	125 kV BIL, Creepage 380 mm 150 kV BIL, Creepage 620 mm 200 kV BIL, Creepage 820 mm

### TYPICAL AT 8,000 V (INTERNALLY FUSED)

Type	Power		Dimensions				Weight
	kVAr	kVAr	mm				
	50 Hz	60 Hz	a	b	c	d	
PSLP/PILP	100	120	620	400	300	145	31
PSLP/PILP	200	240	760	540	440	145	40
PSLP/PILP	300	360	860	640	540	145	47
PSLP/PILP	400	480	940	740	640	145	53
TSLP/TILP	500	600	840	620	520	200	63
TSLP/TILP	600	720	940	720	620	200	71
TSLP/TILP	700	840	1060	840	740	200	81
TSLP/TILP	800	960	1160	940	840	200	89

In line with our policy of on-going product development, we reserve the right to alter specifications.