

Cylindrical - Gas Filled MKP Capacitor



Features

- Metallised polypropylene/Wavy cut (MKP) film design
- Compact Cylindrical Al. can design.
- Gas impregnation gives cooling effect
- Better heat dissipation
- Explosion proof design (internal over pressure disconnecter)
- Low losses due to advanced winding and zinc spray equipments.
- Finger touch proof terminal connectors (Scope to parallel Connection)

Application

- Fixed PF. correction
- Automatic P.F. Correction
- Harmonic Filter System



THREE PHASE CAPACITORS IN GAS FILLED CYLINDRICAL ALUMINUM CASING. TECHNICAL DATA

STANDARDS	IS 13340 + 1, IEC 60831-1 & 2
RATED VOLTAGE.	230-525 VOLT.
RATED FREQUENCY.	50/60 Hz.
OVER VOLTAGE.	UN + 10% 12 h in every 24 h. UN + 15% 30 min in every 24 h. UN + 20% 5 min in every 24 h. UN + 30% 1 min in every 24 h.
OVER CURRENT.	1.3 * IN
CAPACITANCE TOLERANCE.	-.5 to + 10 % As per standards. 0 to + 5% As per our ICS. (Internal capacitor standard.)
TEST VOLTAGE, TERMINAL.	2.15 * UN ,AC. 2S
TEST VOLTAGE, TERMINAL/CASE.	4.8 Kv ,AC 2S.
INRUSH CURRENT.	Max 300 * IN
LOSSES.	App.< 0.25 W/kVAr (without discharge resistors) App.< 0.45 W/kVAr (inclusive discharge resistors as per IEC) App.< 0.50 W/kVAr (inclusive discharge resistors as per IS)
CASING.	Cylindrical aluminum can
ENCLOSURE.	IP20, on request IP54, outdoor mounting.
LIFE EXPECTANCY.	>100.000h Temp level D >130.000h Temp level C.
AMBIENT TEMPERATURE.	-.25 / D
COOLING.	Natural air cooled Casing temp max 60 C permitted on top of the can.
DIELECTRIC SYSTEM.	MKP metallised polypropylene film , self-healing property.
IMPREGNATION.	Inert dry Gas .
SAFETY FEATURES.	Over pressure sensitive 3 phase disconnecter.
ALTITUDE.	Max.2000 mtr above sea level.
RELATIVE HUMIDITY.	Max 95 %
MOUNTING POSITION.	Random.
MOUNTING & EARTHING.	M12X16mm threaded stud at bottom of the case with nut & spring washer.
DISCHARGE RESISTORS.	External 1 minutes,50 V / 3 minutes, 75 V
TERMINALS	FTGMKP-M5 screw on double three-way terminals.

FTGMKP Type. (Gas Filled) : FTGMKP SERIES, RATED VOLTAGE 400 V, 50 Hz, 3-PHASE, DELTA CONNECTION

Type	Reactive Power		Capacitance	Current	Dimensions D*H mm	Weight Kg.(Appr.)	Drawing No.
	Output	Kvar.	mf	A			
FTGMKP 400,3,05.00	5		3*33.15	7.22	75*196	0.95	C-5
FTGMKP 400,3,07.50	7.5		3*49.73	10.83	75*196	0.95	C-5
FTGMKP 400,3,10.00	10		3*66.31	14.43	90*203	1.30	C-5
FTGMKP 400,3,12.50	12.5		3*82.88	18.04	90*203	1.30	C-5
FTGMKP 400,3,15.00	15		3*99.46	21.65	90*243	1.55	C-5
FTGMKP 400,3,20.00	20		3*132.61	28.87	116*243	2.10	C-5
FTGMKP 400,3,25.00	25		3*165.76	36.08	116*283	2.85	C-5
FTGMKP 400,3,30.00	30		3*198.92	43.3	116*283	2.95	C-5

FTGMKP Type. : FTGMKP SERIES, RATED VOLTAGE 415 V, 50 Hz, 3-PHASE, DELTA CONNECTION

FTGMKP 415,3,05.00	5		3*30.8	6.96	75*196	0.95	C-5
FTGMKP 415,3,07.50	7.5		3*46.20	10.43	75*196	0.95	C-5
FTGMKP 415,3,10.00	10		3*61.60	13.91	90*203	1.40	C-5
FTGMKP 415,3,12.50	12.5		3*77.00	17.39	90*203	1.40	C-5
FTGMKP 415,3,15.00	15		3*92.40	20.87	90*243	1.75	C-5
FTGMKP 415,3,20.00	20		3*123.20	27.82	116*243	2.60	C-5
FTGMKP 415,3,25.00	25		3*154.00	34.74	116*283	3.00	C-5
FTGMKP 415,3,44.5.00	44.5		3*274.00	61.91	136*343	5.1	C-6

FTGMKPSERIES, RATED VOLTAGE 440 V,50Hz, 3-PHASE, DELTA CONNECTION

FTGMKP 440,3,05.00	5		3*27.40	6.56	75*196	0.95	C-5
FTGMKP 440,3,07.50	7.5		3*41.10	9.84	75*196	0.95	C-5
FTGMKP 440,3,10.00	10		3*54.80	13.12	90*203	1.40	C-5
FTGMKP 440,3,12.50	12.5		3*68.50	16.40	90*203	1.40	C-5
FTGMKP 440,3,15.00	15		3*82.20	19.68	90*243	1.75	C-5
FTGMKP 440,3,20.00	20		3*109.60	26.40	116*243	2.50	C-5
FTGMKP 440,3,25.00	25		3*137.00	32.80	116*243	2.60	C-5
FTGMKP 440,3,30.00	30		3*164.40	39.36	116*283	3.10	C-5
FTGMKP 440,3,50.00	50		3*274.00	65.61	136*355	4.60	C-6

FTGMKP SERIES, RATED VOLTAGE 480 V,50Hz, 3-PHASE, DELTA CONNECTION

FTGMKP 440,3,05.00	5		3*23.02	6.01	75*196	0.95	C-5
FTGMKP 440,3,07.50	7.5		3*34.53	9.02	75*196	0.95	C-5
FTGMKP 440,3,10.00	10		3*46.05	12.03	90*203	1.40	C-5
FTGMKP 440,3,12.50	12.5		3*57.56	15.04	90*203	1.40	C-5
FTGMKP 440,3,15.00	15		3*69.07	18.04	90*243	1.75	C-5
FTGMKP 440,3,20.00	20		3*92.03	24.06	116*243	2.50	C-5
FTGMKP 440,3,25.00	25		3*115.11	30.07	116*243	2.60	C-5
FTGMKP 440,3,30.00	30		3*138.14	36.08	116*283	3.10	C-5
FTGMKP 440,3,50.00	50		3*230.23	60.14	136*355	4.60	C-6

FTGMKP SERIES, RATED VOLTAGE 525 V,50Hz, 3-PHASE, DELTA CONNECTION

FTGMKP 525,3,05.00	5		3*19.25	5.50	75*196	0.95	C-5
FTGMKP 525,3,07.50	7.5		3*28.87	8.25	75*196	0.95	C-5
FTGMKP 525,3,10.00	10		3*38.49	11.00	75*196	1.05	C-5
FTGMKP 525,3,12.50	12.5		3*48.11	13.75	90*203	1.30	C-5
FTGMKP 525,3,15.00	15		3*57.74	16.50	90*203	1.40	C-5
FTGMKP 525,3,20.00	20		3*76.98	21.99	90*243	1.75	C-5
FTGMKP 525,3,25.00	25		3*96.23	27.49	116*243	2.45	C-5
FTGMKP 525,3,30.00	30		3*115.47	32.99	116*243	2.60	C-5
FTGMKP 525,3,50.00	50		3*192.45	54.99	136*343	5.00	C-6