

# *Soft Charge & PF Correcting Inverter Assembly*

P/N 70250



Designed for simplifying installation of all the components necessary for:

- Soft start feature to prevent startup current surges from weakening circuit breakers
- Power factor correction to 0.95 for accurate current measurements
- Three phase 208 – 240 VAC rectification for single phase high frequency output
- 4.5 KW rating (P/N 700250-1) 2.2 KW (P/N 700250)
- DAT210 (Digital Auto Tuning) compensates for generator pressure and flow changes automatically
- No inverter and transformer failure due to brownout, operating changes or cell fault

Benefits:

- Reduces OEM inventory
- Reduces expense of installing many components to achieve the same results
- Tested assembly reduces installation mistakes
- Completes electronics package required for ozone generators
- Reduces inverter mains current by about 50%
- Extends inverter component life

**PLASMA TECHNICS, Inc.**  
**WEDECO & OZONIA GENERATOR ELECTRONICS AND MAGNETICS REPLACEMENT**

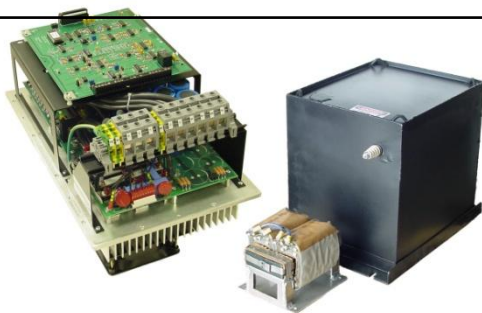
<b>WEDECO MODEL</b>	<b>GSO 10</b>		<b>GSO 20</b>		<b>GSO 30</b>		<b>GSO 40</b>		<b>GSO 50</b>	
Feed gas	Air	O2	Air	O2	Air	O2	Air	O2	Air	O2
Nominal gr/Hr	15	30	23	50	40	100	80	200	203	400
Nominal % wt	1.5	7	1.5	7	1.5	7	1.5	7	2.6	7
Tube w/cells description	1 short 11 tubes		1 short 11 tubes		1 short 22 tubes		2 short 44 tubes total		2 long 44 tubes total	
Power KW. 208 - 240 VAC 3 Phase or Single phase < 2.5 KW	1		1.5		2.2		2.2		4.5	

<b>COMPONENTS TO DRIVE CELL ASSEMBLY</b>	<b>QTY</b>	<b>QTY</b>	<b>QTY</b>	<b>QTY</b>	<b>QTY</b>
P/N 70250 Prewired inverter assembly: Inverter, link choke, soft start relay & high inrush resistor, terminal block & mounting plate. For 3 phase mains. Includes all components.	70250	70250	70250	70250	70250-1
SP- 252-2 resonating inductor, 6 mH series (2)	2	2			
SP- 252 transformer, Case 50	1	1			
SP-303 resonating inductor, 3 mH series			1	1	
SP-333 transformer, case 100			1	1	
SP-291-6 resonating inductor, 4 mH series, 25 amps					2
SP-331 transformer, case 210					1

<b>OZONIA MODEL</b>	<b>CFS-01 2G</b>		<b>CFS-03</b>		<b>CFS-07</b>	
Feed gas	Air	O2	Air	O2	Air	O2
Nominal gr/Hr	38	76	114	228	235	503.5
Nominal % wt						
Tube w/cells description	1 ea. 23"		3 ea. 23"		7 ea. 23"	
Power KW. 208 - 240 VAC 3 Phase or Single phase < 2.5 KW	0.76		2.2		4.5	

<b>COMPONENTS TO DRIVE CELL ASSEMBLY</b>	<b>QTY</b>	<b>QTY</b>	<b>QTY</b>
P/N 70250 Prewired inverter assembly: Inverter, link choke, soft start relay & high inrush resistor, terminal block & mounting plate. For 3 phase mains. Includes all components.	70250	70250	70250-1
SP- 252-2 resonating inductor, 6 mH series (2)	2		
SP- 252 transformer, Case 50	1		
SP-303 resonating inductor, 3 mH series		1	
SP-333 transformer, case 100		1	
SP-291-6 resonating inductor, 4 mH series, 25 amps			2
SP-331 transformer, case 210			1

**Larger systems in excess of 4.5 KW  
available**



**Widest selection of power inverters and resonant magnetic components available**