

COMMERCIAL TOWER DRYER COMMON SERVICE PARTS
GSI 2003 AND PRIOR

PART #	DESCRIPTION	Where Used
Bindicator		
GT3-0036	Bindicator RA4	Low Grain Indicator Located on Upper Sidewall of Dryer
815-1700-5	Bindicator RA6	High Grain Indicator Located on Dryer Roof
756-1150-9	Bindicator Micro-Switch	Replacement Switch for Either Bindicator
769-1225-2	Bindicator Paddle	Replacement Paddle for Either Bindicator
756-1148-3	Bindicator Motor A-H9A-K-HD	Replacement Motor for Either Bindicator
S-8896	Screw, MS #4-40 X 1 SHCS	Connects Extension Shaft or Paddle to Bindicator
S-9100	Nut, Nylock #4-40 ZN GR2	Connects Extension Shaft or Paddle to Bindicator
769-1038-9	Bindicator Cover Gasket	Replacement Gasket for Either Bindicator
GT1-1119	Bindicator Ext. Rod 12"	Standard Extension Rod for RA6 Bindicator
GT1-1473	Bindicator Ext. Shaft 18"	Special Length Extension Rod for RA6 Bindicator
GT1-1120	Bindicator Ext. Rod Shield	Standard Length Rod Shield (Conduit) for RA 6 Bindicator
GT1-1474	Bindicator Ext. Shield 18"	Special Length Rod Shield (Conduit) for RA 6 Bindicator
806-1667-5	Bindicator Conduit Cap	Rod ShieldCap for RA6 Bindicator
769-1039-7	Bindicator Mounting Plate	Replacement Mounting Plate for RA4 Bindicator
Hi-Limits (Fixed and Adjustable)		
GT3-0004	Hi-Limit, Fixed 210 Degree 36' Fixed	Replacement Hi-Limit for Outside or Inside Overheats
756-1026-1	Thermostat, Hi-Limit Honeywell T675A 1102 160 to 260D Adjustable	Adjustable Plenum Hi-Limit That Monitors The Burner
RTD Probes, Moisture Sensors & Accessories		
756-1865-2	RTD, Platinum Assembly (Bolt) 0-300 Deg 100 OHM	Temperature Based Moisture Bolt Mounted in Outside Sidewall About 1/3 The Way Up The Dryer (Uses 4 bolt sensor per dryer)
GT3-0090	Sensor, Platinum RTD Honeywell	Temperature Sensor for Burner Mounted on Inside Wall Across From the Burner
GT3-0139	Wire, 18/2 Shielded	Cable Used for Bolt Sensor or Above Probe - Sold Per Foot
GT4-1176	Dryer Master Moisture Sensor Housing Assy	Sample Chute Mounted Below Discharge Hopper and Houses Dryer Master Sensor
GT1-1534	Gate, Slide 2-1/4" - Moisture Sensor	Replacement Slide Gate for Moisture Sensor Housing
801-2143-7	Gate, Slide 2-1/2" - Moisture Sensor Box	Replacement Slide Gate for Moisture Sensor Housing
801-2144-5	Gate, Slide 2-3/4" - Moisture Sensor Box	Replacement Slide Gate for Moisture Sensor Housing
801-2101-5	Gate, Slide 3" - Moisture Sensor Box	Replacement Slide Gate for Moisture Sensor Housing
Burner Control/Maintenance		
756-1009-7	Flame Rod	Senses Flame in Burner (Natural Gas or LP)
GT3-0091	Igniter I-31-1 Spark	Spark Plug for Burner (Natural Gas or LP)
WR-7MM	Wire, 7mm Silicone Igniter	Wire for Spark Plug - Sold Per Foot
GT3-0609	Igniter Plug Oil (Maxon GP18110 / Auburn I-101)	Spark Plug for Burner (Fuel Oil Only)
756-1484-2	Connector, Flame Rod & Ignitor	Connector for Spark Plug or Flame Rod
756-1485-9	Boot, Flame Rod & Ignitor	Rubber Boot to Cover Connector on Spark Plug or Flame Rod
801-2078-5	Pilot Hood	Mounts on Burner Above Pilot Area to Prevent Flame From "Dancing" Around
145-1351-9	5/64" x 6" Burner Bit LongBoy	Used to Drill Out Clogged Burner (Natural Gas or LP Only)
Protection Controls Parts		
GT3-0134	Flame Pac	Component on Burner Board
GT3-0136	Relay ACF	Component on Burner Board
KD-PEC0020	Transformer SS3CP	Component on Burner Board
GT3-0016	Protectifier Chassis 6642-VA	Complete Burner Board
769-1378-9	Component Tester	Tester for Burner Board Components
GT3-0535	Scanner UV PCII W - Straight	Senses Flame in Burner - Straight (Fuel Oil Only)
GT3-0450	UV Scanner PCII WRA - Right Angle	Senses Flame in Burner - Right Angle (Fuel Oil Only)
GT3-0448	Brown Fiber Nipple	Fuel Oil Burner
769-1029-8	Black 2" Nipple	Fuel Oil Burner
Honeywell		
GT3-0083	Motor Modutrol M7284A-1012	Mounted at End of Gas Train on Top of CV Valve - Controls Gas Flow To Burner
756-1002-2	Modutrol Motor Linkage	Links Modutrol Motor to CV Valve
GT3-0160	Control System, Temperature Controller UDC2500	Adjusts & Controls Burner Temperature. Also Used for Temperature Based Moisture Control.
Gearboxes and Parts		
GT3-1038	Gearbox, Sumitomo C6145Y 90:1 Ratio	Runs Metering Drum
GT3-0138	Motor 5HP 184TC Inverter Duty	Runs Metering Drum
GT1-0670	Plate, Metering Drum Sweep - SS	Leading Edge Plate for Metering Drum
GT1-0671	Clip, Metring Drum Sweep	Clip to Connect Leading Edge to Metering Drum

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Manual Shut-Off Valves		
GT3-0014	Valve, DeZurich 2"	Used at Beginning of Gas Train - Size Specific
GT3-0198	Valve, DeZurich 3"	Used at Beginning of Gas Train - Size Specific
707-1141-1	O-Ring 2" Dezurich	Replacement Part for 2" DeZurich Valve
707-1140-3	O-Ring 3" Dezurich	Replacement Part for 3" DeZurich Valve
D02-0084	Brass Ball Valve 1/4	Used in Return Line Back to Regulator as Balancing Valve
007-1048-3	Brass Ball Valve 3/4	Used in Gas Train (LP Dryers)
TFC-0093	Valve, 1" NPT Bronze Ball - CGA Approved	Used in Gas Train (LP Dryers)
Asco Solenoids		
GT3-0034	Valve, Asco 3/8 NC 120V/60HZ (Pilot)	Gas Train Pilot Solenoid
GT3-0719	Solenoid 1-1/4"	Gas Train Solenoid Between Dual Maxons
TF-1536	Solenoid 1-1/2"	Gas Train Solenoid Between Dual Maxons
TF-1296	Solenoid 3/4" Liquid (LP)	Gas Train Solenoid (LP Oil Only)
Pressure Gauges		
707-1694-9	Pressure Gauge 30 oz.	Used in Gas Train After CV Valve
GT3-0131	Pressure Gauge 20 oz.	Used in Gas Train After CV Valve
HH-2984	Pressure Gauge 30 lb.	Used in Gas Train for Incoming Pressure
D02-0103	Pressure Gauge 8-100 lb.	Used in Gas Train (LP Dryers Only)
GT3-0671	Gauge Pressure 2 1/2 Liquid Filled 200 PSI	Used in Gas Train (LP Dryers Only)
007-1829-6	Pressure Gauge 400 lb. (glycerin-filled)	Used in Gas Train (LP Dryers Only)
Regulators & Parts		
Rockwell		
GT3-0169	Regulator, Gas Equimeter 3" 12112-12	Main Gas Regulator - Size Specific
GT3-0012	Regulator, Gas Equimeter 2.5" 12112-10	Main Gas Regulator - Size Specific
GT3-0471	Regulator, Gas Equimeter 2" 12112-8	Main Gas Regulator - Size Specific
707-1587-5	Regulator Spring Black Rockwell	Standard Spring for Above Regulators
707-1560-2	Regulator Spring Gold Rockwell (cadmium)	Heavier Spring for Above Regulators
Pilot Regulator (All GSI & Zimmerman)		
GT3-0033	Regulator Fisher 1/2" (Pilot)	Regulates Gas to the Pilot
Gas Pressure Switches		
KD-PES0049	Switch, Low gas Pressure Honeywell #C6097A1053	Detects Low Gas Pressure in Gas Train
KD-PES0048	Switch, High Gas Pressure Honeywell #C6097B1101	Detects High Gas Pressure in Gas Train
Maxon Shut-Off Valves, Switches & Solenoids		
Manual 808 Valves		
GT3-0624	Valve, Maxon 2" 808	Used in Gas Train (Switches Separate) - Size Specific
GT3-0206	Valve, Maxon 3" 808-CP	Used in Gas Train (Switches Separate) - Size Specific
GT3-0213	Valve, Maxon 4" F 808-CP	Used in Gas Train (Switches Separate) - Size Specific
GT3-1025	Valve, Maxon 6" 808 VLV	Used in Gas Train (Switches Separate) - Size Specific
Motorized Valves		
707-1582-6	Valve, Maxon 2" Motorized 5000 Series	Used in Gas Train (Switches Separate) - Size Specific
GT3-0823	Valve, Maxon 3" Motorized 5000 Series W/VCS-2 Switch	Used in Gas Train - Size Specific
707-1441-5	Valve, Maxon 4" Motorized 5000 Series	Used in Gas Train (Switches Separate) - Size Specific
GT3-1107	Valve, Maxon 6" Motorized 7000 Series	Used in Gas Train (Switches Separate) - Size Specific
Single Switch		
GT3-0620	Switch Set VCS-1 (SOV) Maxon VOS-1 #14-23433	Maxon Switch 3" Valve & Up
GT3-0623	Switch Set VCS-1 (VOS-1) Maxon #14-18428	Maxon Switch 2" Valve & Below
Double Switch		
GT3-0619	Switch Set VCS-2 (SOV) Maxon VOS-2 (STO) #14-23434	Double Maxon Switch 3" Valve & up
GT3-0622	Switch Set VCS-2 (VOS-2) Maxon #14-18429	Double Maxon Switch 2" Valve & Below
KD-PVA0005	Solenoid 22055	Solenoid 2" & 3" Non-Motorized Maxon
769-1028-0	Solenoid 23243	Solenoid 4" Non-Motorized Maxon
CV Valves & Components		
GT3-0515	Valve, 2" CV Series	Controls Flow of Gas to Burner - Size Specific
GT3-0132	Valve, 3" CV Series	Controls Flow of Gas to Burner - Size Specific
GT3-0214	Valve, Maxon 4" F CV	Controls Flow of Gas to Burner - Size Specific (Used 2002 - Present)
707-1085-0	Valve, Synchro - 4" Maxon (Can Be Replaced W/Above Valve)	Controls Flow of Gas to Burner - Size Specific (Used 1994 - 2001)
GT3-0724	Valve Disc for 2" Maxon CV	Replacement Part for 2" CV Valve
GT3-0726	Valve Shaft for 2" Maxon CV	Replacement Part for 2" CV Valve
769-1024-9	Butterfly Shaft 4"	Replacement Part for 4" CV Valve
769-1197-3	O-Ring 2" Shaft	Replacement Part for 2" CV Valve
769-1335-9	Adaptor Bushing MR Valve Arm	Round to Square Bushing in 4" Valve Arm That Connects Arm to Modutrol Motor

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PART #	DESCRIPTION	Where Used
<u>EMCS Parts</u>		
D03-0122	EMCS, Complete board set	Kit of Complete EMCS Board Set. Consists of Next Three Parts.
D03-0119	EMCS, LCD Display	LCD Display Module in Control Panel to Run Dryer
D03-0120-TOW	EMCS, Control Board	Control Board Connected to LCD Display
D03-0121	EMCS, I/O Board	Main I/O Board
D03-0116	Panel, Touch Cont. Flow (Membrane Keypad)	Keypad Membrane on LCD Display (Buttons)
GT3-0203	PID Controller Interface	Board That Interfaces Speed Pot, Honeywell Moisture Controller & Variable Frequency Drive
D03-0107	Potentiometer, 10 Turn 5K OHM	Potentiometer That Sends Signal to VFD to Vary the Unload Speed
D03-0108	Dial, Counting Multidial for 10 Turn Pot	Dial for Above Potentiometer
<u>Inverters & Line Reactors</u>		
<u>Inverters</u>		
GT3-0407	Toshiba Inverter 5HP 230V	Variable Speed Drive for Unload - Voltage Specific
GT3-0086	Toshiba Inverter 5HP 460V	Variable Speed Drive for Unload - Voltage Specific
<u>Line Reactors</u>		
GT3-0482	Reactor, Line 5HP 230V 15.2 Amp	Protects Inverter From Voltage Spikes - Voltage Specific
GT3-0129	Reactor, Line 5HP 460V 7.6 Amp	Protects Inverter From Voltage Spikes - Voltage Specific
<u>Useful/Miscellaneous</u>		
TD-100077	Horn 120 Weatherproof	Alarms When Dryer Shutdown for Any Reason
D03-0167	Air Switch, Pressure Air BEC# R72.B1 GC 254	Mounted in Power Panel - Proves Blower is Running
815-1783-3	Start/Stop/Pilot Kit	Complete Start/Stop Switch Kit - Used to Control Legs, Conveyors
D03-0124	Lamp, 130V for Selector Switch	Light Bulb Only for the Following Switches: Power, Outside Light, Unload Conveyor, Start Button
GT3-0364	Lamp, 12V #756	Light Bulb Only for the Following Switches: Load, Blower, Burner Metering Drum, Moisture Control
<u>Service Parts Kit</u>		
GT4-SRVSCH1	Service Parts Kit Standard <i>Includes The Following Parts:</i> 1 - Igniter (Natural Gas or LP) 1 - Flame Rod (Natural Gas or LP) 1 - ACF Relay 1 - Flame Pac 1 - SS3CP Transformer 1 - Adjustable Plenum Hi-Limit 2 - 36' Overheat (Fixed Hi-Limit)	This Kit Contains essential parts that cannot be bypassed and will prevent the dryer from running if they fail.