

COMMERCIAL TOWER DRYER COMMON SERVICE PARTS
GSI AND ZIMMERMAN 2004 - PRESENT

PART #	DESCRIPTION	Where Used
<i>Bindicator</i>		
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
<i>Hi-Limits (Fixed and Adjustable)</i>		
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	Adjustible Plenum Hi-Limit That Monitors The Burner
<i>RTD, Thermowells, Probes, Moisture Sensors</i>		
756-1865-2	Probe 12"	Temperature Based Moisture Probe Mounted in Outside Sidewall About 1/3 The Way Up The Dryer
756-1866-0	Thermowell 12"	Thermowell to Protect Moisture Probe
815-1383-0	RTD Probe Mount Weldment	Mount for Above Thermowell & Probe
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 Either Probe Above - Sold Per Foot
602E020-CAT5	Moisture Sensor-Standard Assy (Wide) W/WR-CAT5E-SH	Top or Bottom Sensor for Tri-Moisture System
WR-CAT5E-SH	Cable, Wire CAT5E Shielded	Cable Used for Tri-Moisture Sensor - Sold Per Foot
GT3-0961	Cable, AB DH485 9842-060500	Twisted Pair Shielded Cable for Communication Between Power & Control Panel
815-1935-9	Moisture Sensor Housing Assy	Sample Chute Mounted Below Discharge Hopper and Houses Tri-Moisture 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
<i>Burner Control/Maintenance</i>		
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
GT3-0962	Plate, Maxon NPLE Pilot End Kit Maxon# 1073444	Aluminum Burner End Plate That Receives Flame Rod & Spark Plug
145-1351-9	5/64" x 6" Burner Bit LongBoy	Used to Drill Out Clogged Burner (Natural Gas or LP Only)
<i>Protection Controls Parts</i>		
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
<i>Honeywell</i>		
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

COMMERCIAL TOWER DRYER COMMON SERVICE PARTS
GSI AND ZIMMERMAN 2004 - PRESENT

PART #	DESCRIPTION	Where Used
<u>Gearboxes and Parts</u>		
GSI Only		
GT3-1038	Gearbox, Sumitomo C6145Y 90:1 Ratio (Grease Filled, No Oil Required)	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
Zimmerman Only		
717-1493-5	Gearbox, Sumitomo 6145 731:1 Ratio (Grease Filled, No Oil required)	Runs Metering System (12' Dia. Dryers Only)
702-1069-5	Motor, 1HP 3PH 1725 @ 60HZ Super E	Runs Metering System (12' Dia. Dryers Only)
717-1371-3	Gearbox, Sumitomo CVVJ6185DBY 1003:1 Ratio (Oil Required)	Runs Metering System (18' Dia. Dryers Only)
702-1068-7	Motor, 1-1/2HP 3PH 1725 @ 60HZ Super E	Runs Metering System (18' Dia. Dryers Only)
717-1440-6	Gearbox, Sumitomo CVVJ6195DBY 1505:1 Ratio (Oil Required)	Runs Metering System (24' Dia. Dryers Only)
GT3-0861	Sumitomo Piping Set/Oil Signal for 6195 Gearbox	Replacement External Copper line & Site Glass for 6195 Gearbox
702-1067-9	Motor, 2HP 3PH 1725 @ 60HZ Super E	Runs Metering System (24' Dia. Dryers Only)
GT3-1024	Gearbox, Sumitomo CVVJ6205DAY 1247:1 Ratio (Oil Required)	Runs Metering System (30' Dia. Dryers Only)
GT3-1193	Sumitomo Piping Set/Oil Signal for 6205 Gearbox	Replacement External Copper line & Site Glass for 6205 Gearbox
702-1047-1	Motor, 3HP 3PH 1725 @ 60HZ Super E	Runs Metering System (30' Dia. Dryers Only)
769-1408-4	Lubricant, Mobilegear 629 (Per Gallon)	Oil for Above Gearboxes (10K Requires 3, All others 1)
GT1-1458	Agitator Weldment	Mounts to Back of Sweep to Agitate Grain Under Column
<u>Manual Shut-Off Valves</u>		
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)
<u>Asco Solenoids</u>		
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 Soleoid (LP Oil Only)
<u>Pressure Gauges</u>		
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)
<u>Regulators & Parts</u>		
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
<u>Gas Pressure Switches</u>		
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
<u>Maxon Shut-Off Valves, Switches & Solenoids</u>		
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

COMMERCIAL TOWER DRYER COMMON SERVICE PARTS
GSI AND ZIMMERMAN 2004 - PRESENT

PART #	DESCRIPTION	Where Used
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
Solenoid		
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	CV Valve 2"	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
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
PLC & OIU Parts		
PLC Parts		
756-1534-4	Filter, Line Active 120V AC 2.5A	Protects PLC from Spikes & Reduces Noise to PLC
756-2159-9	PLC, AB Rack 10 Slot	Back Plane for PLC Cards
756-1795-1	Power Supply, PLC ABradley SLC	Power Supply for PLC 120V AC to 24VDC
756-1796-9	PLC, AB SLC 503 CPU 1747-L532	PLC Card - CPU (Has Power, Fault, DH485 Lights)
756-1797-7	PLC, AB SLC Memory Module - Programming Required	Installs in CPU Card - Memory Module That Holds Program
756-1799-3	PLC, AB SLC Mix AI/O 2X2 Card 1746-NI041	First Card to Right of CPU
756-2161-5	PLC, AB RTD Temperature Module	Second Card to Right of CPU
756-1801-7	PLC, AB DOX16 Card 1746-OW16	16 Point Output Card
GT3-0944	PLC, AB IOUX8 Relay 1746-0X8	8 Point Output Card
GT3-0810	PLC, AB DIX16 24VDC 1746-IB16	16 Point Input Card
756-1807-4	PLC, AB Slot Cover	Blank - Slot Cover
GT3-1105	Battery, for AB SLC 500 PLC CPU 1747-BA	Installs in CPU Card - Battery for Back Up
OIU Parts		
GT3-0945	OIU, AB PV+ 2711P-RDT10C	Touchsreen in Control Panel
GT3-0947	OIU, AB Antiglare 2711P-RG10 Film	Antiglare Film for Touchscreen
GT3-0946	Module, OIU AB PV+ LOG. MOD. 2711P-RP	1st Module Attached to Back of Touchscreen - Contains RAM & Compact Flash Card
GT3-0974	Module, OIU AB PV+ COMM. MOD. 2711P-RN6	Stacked on Back of 1st Module
GT3-0990	OIU, AB 32MB CF Card 2711-PRW1 - Programming Required	Inserted into 1st Module
GT3-0991	OIU, 64MB RAM 2711-PRR64	Inserted into 1st Module
GT3-0973	IC, PLC AB Micro 1200 24DCIN 16Out 1762-L40BWA	Micro Processor Located Inside Control Panel
056-2323-6	PLC, AB Advanced Interface Module 1761-NET-AIC	Located Inside of Control Panel - Links PLC to Micro Processor
GT3-0948	Cable, PLC AB 1761-CBL-AM00	Cable That Links Micro Logix With AIC Module
756-2163-1	PLC, AB Isolated Link Coupler 1747-AIC-DH485	Located inside of Power Panel - Links PPLC to Micro Processor
Inverters & Line Reactors		
Inverters		
GT3-0955	Allen Bradley Inverter, VFD AB PF4 2HP/230V	Variable Speed Drive for Unload - Size & Voltage Specific
GT3-0954	Allen Bradley Inverter, VFD AB PF4 2HP/460V	Variable Speed Drive for Unload - Size & Voltage Specific
GT3-0953	Allen Bradley Inverter, VFD AB PF4 5HP/230V	Variable Speed Drive for Unload - Size & Voltage Specific
GT3-0952	Allen Bradley Inverter, VFD AB PF4 5HP/460V	Variable Speed Drive for Unload - Size & Voltage Specific
NOTE: If dryer is equipped with add on Dryer Master above inverters must be Power Flex40. Add an A to end of above part number for PF40.		
Line Reactors		
GT3-0975	Reactor, Line 2HP 230V 7.5 Amp	Protects Inverter From Voltage Spikes - Size & Voltage Specific
GT3-0976	Reactor, Line 2HP 460V 3.4 Amp	Protects Inverter From Voltage Spikes - Size & Voltage Specific
GT3-0482	Reactor, Line 5HP 230V 15.2 Amp	Protects Inverter From Voltage Spikes - Size & Voltage Specific
GT3-0129	Reactor, Line 5HP 460V 7.6 Amp	Protects Inverter From Voltage Spikes - Size & Voltage Specific

COMMERCIAL TOWER DRYER COMMON SERVICE PARTS
GSI AND ZIMMERMAN 2004 - PRESENT

PART #	DESCRIPTION	Where Used
<u>Useful/Miscellaneous</u>		
TD-100077	Horn 120 Weatherproof	Alarms When Dryer Shutdown for Any Reason
756-1213-5	Air Switch Differential JD2-BLUE	Mounted in Power Panel - Prove Blower is Running
GT3-1035	Switch Kit-Tower Control Panel	Complete Switch Kit With All Switch & Lights for Control Panel
GT3-1115	LED Module for 24VDC AB Switch - White	Replacement LED Light Bulb for Control Panel Switches
GT3-0044-A	Switch, 2Pos 24VDC 1NO - Amber Lens	Replacement or Add on 2 Pos Switch for Control Panel - Amber
GT3-0044-G	Switch, 2Pos 24VDC 1NO - Green Lens	Replacement or Add on 2 Pos Switch for Control Panel - Green
GT3-0044-B	Switch, 2Pos 24VDC 1NO - Blue Lens	Replacement or Add on 2 Pos Switch for Control Panel - Blue
GT3-0044-R	Switch, 2Pos 24VDC 1NO - Red Lens	Replacement or Add on 2 Pos Switch for Control Panel - Red
GT3-0046-A	Switch, 3Pos 24VDC 1NO 1NC - Amber Lens	Replacement or Add on 3 Pos Switch for Control Panel - Amber
GT3-0046-G	Switch, 3Pos 24VDC 1NO 1NC - Green Lens	Replacement or Add on 3 Pos Switch for Control Panel - Green
GT3-1036	Switch Kit-Emergency Stop PB	Complete E-Stop for Control Panel
756-1459-4	Relay, Control 2PDT 24VDC Coil	Can Be Used to Add Starters, Etc. in Special Instances When Our Panel Does Not Have the Inputs for Customizing.
756-1460-2	Base, Relay for 2Pole IDEC Relay	Base for Above Relay
<u>Service Parts Kits</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.
GT4-SRVSCH2	Service Parts Kit Expanded <i>Includes The Following Parts:</i> 1 - Complete Kit 1 (GT4-SRVSCH1) 1 - Honeywell Modutrol Motor M7284A 1012 1 - Ounce Gauge 1 - Sensor, Platinum RTD Honeywell 1 - Air Switch 6 - Burner Drill Bits	This kit contains all parts in kit 1 plus some additional parts that should be kept on hand.