

Model 250/251/257 Recycling Parts Washers

Part Number: 250100/110110/110570



Product Description:

The Model 250 and the Model 257 with larger sink are designed to meet our customers' parts cleaning needs while also addressing concerns for reducing hazardous waste generation. The Models 250 and 257 contain a distillation unit that provides clean solvent, as needed, by refreshing used solvent through the distillation process. When the customer makes the determination that the parts cleaning solvent is no longer performing, he can initiate a distillation cycle by pushing the Recycle button. The used solvent is automatically flushed from the cleaning sink and basin into the distillation chamber where it is heated and distills the used parts cleaning solvent. The solvent reservoir automatically pumps clean solvent back into the basin within 4 minutes from the time the Recycle button was originally pushed. Emissions from the use of the SK Model 250/257 are no different than those from a typical vat parts washer. Any emissions from the distillation process are double-cooled in an enclosed (non-vented) chamber before entering the reservoir.

The Models 250 and 257 may also be used in conjunction with

a Safety-Kleen Model 251 which is a portable "Remote Cleaning Station" unit and serviced as a companion product to the Model 250 or 257 on a one-to-one basis. This remote cleaning station can be used by loading one gallon of fresh solvent into the Model 251 unit, moving the unit to a location where parts are cleaned, and then returning the solvent to the Model 250 or 257 for recycling at the end of the day.

SPECIFICATIONS

	Model 250	Model 251	Model 257
Operation Type:	Manual/Recycler	Manual	Manual/Recycler
Depth:	27" (68.6cm)	19" (48.3cm)	30" (76.2cm)
Height at Sink:	41.5" (105.4cm)	38" to 54" (96-137cm)	41.5" (105.4cm)
Height with Lid Open:	68" (172.7cm)	56" to 72" (142-183cm)	68" (172.7cm)
Width:	36" (91.4cm)	29" (73.7cm)	42" (106.7cm)
Sink Depth:	7" (17.8cm)	4" (10.2cm)	7" (17.8cm)
Electric Power:	115VAC, 60Hz, 15A	115VAC, 60Hz, 2A	115VAC, 60Hz, 15A
Standard Fill:	25-30 gal (94.6L-113.6L)	1 gal (3.8L)	25-30 gal (94.6L-113.6L)
Operating Temperature:	Ambient	Ambient	Ambient
Material:	Steel	Steel	Steel
Machine Color:	Red	Red	Red
Maximum Work Load:	500 lbs (226.8kg)	10 lbs (4.5kg)	500 lbs (226.8kg)
Shipping Weight:	200 lbs (90.7kg)	80 lbs (36.3kg)	220 lbs (99.8kg)
Filled Weight:	389 lbs (176.5kg)	87 lbs (39.5kg)	409 lbs (185.5kg)
Reservoir capacity:	29 gal (109.8L)	N/A	29 gal (109.8L)
Sink capacity:	5 gal (18.9L)	1 gal (3.8L)	5 gal (18.9L)
Listing:	cETL	cETL	cETL

APPLICATION

- Industrial and automotive facilities
- Less than 50 parts per hour
- Small to medium parts
- Light to moderate soil
- Cleanliness for general maintenance
- NOT recommended for use with certain contaminants

CHEMISTRY

- Premium Gold Solvent
- QSol 220 Cleaning Solvent
- QSol 300 Cleaning Solvent

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Field Repair Summary

The following summary is separated into Level 1, 2, and 3 Repairs. Each step may be checked for operation and then specific steps to replace the items can be found in the Field Repair Manual (FRM). The FRM also contains Definitions, Tools Required, Warranty Information, and Replacement Parts Lists.

LEVEL ONE – CSR or CST

Any of the following steps may be performed by the CSR or CST:

- Reset the Machine
- Add Solvent to Sink or Reservoir
- Drain Machine Bottoms
- Improve Machine Balance
- Lid Replacement
- Fusible Link Replacement
- Flexible Hose, Brush, or Nozzle Replacement
- Tray Replacement
- Label Replacement
- Customer or Service Bung Replacement
- Pneumatic Cylinder Replacement

LEVEL TWO – CST Only

Any repairs requiring the removal of the rear panel are classified as Level Two.

- Wash Pump Replacement
- Float Level Switch Check
- Vacuum Leak Check
- Re-flaring Aluminum Tubing
- Aluminum Tubing Replacement
- Check Valve Replacement
- Solenoid Replacement
- Heater Replacement
- Temperature Sensor Replacement
- Computer Board Replacement
- On/Off or Recycle Button Replacement
- Condenser Replacement
- Distillation Chamber Replacement
- Clean Reservoir Replacement
- Outer Skin Replacement
- Vacuum Pump Replacement

LEVEL THREE – Authorized Facility Repair

Level Three repairs must be made at a certified facility and **may not be done in the Field**. Return any unit requiring a Level Three repair to the local Distribution Center.

- Vacuum Pump Repairs



Read all labels on the parts washer carefully. Follow all safety precautions. Consult the MSDS for the solution used in this equipment for further information.

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Troubleshooting Reference Guide

IDENTIFICATION	DIAGNOSIS	REPAIR	LEVEL
NO WASH FLUID OR INTERMITTENT FLOW	AUTOMATIC 15 MINUTE SHUTOFF	PUSH ON/OFF BUTTON	1
	LOSS OF INCOMING POWER	CHECK OUTLET BREAKER	1
	LOSS OF INCOMING POWER	RESET THE MACHINE	1
	LOW FLUID LEVEL IN BASIN	JOE UP SOLVENT FROM RESERVOIR	1
	WASH PUMP MALFUNCTION	(SEE WASH PUMP MALFUNCTION)	2
	COMPUTER MALFUNCTION	REPLACE COMPUTER	2
	ON/OFF BUTTON MALFUNCTION	REPLACE ON/OFF BUTTON	2
WASH PUMP MALFUNCTION	IMPELLER BLOCKAGE	INSPECT AND CLEAN DEBRIS AWAY	2
	BLOWN WASH PUMP FUSE	REPLACE BLOWN FUSE	2
	WASH PUMP SEIZED	REPLACE WASH PUMP	2
RECYCLE PROCESS NOT STARTING	ON 1 HOUR LOCKOUT	WAIT 1 HOUR	1
	LOSS OF INCOMING POWER	CHECK OUTLET BREAKER	1
	BLOWN FUSES ON COMPUTER	REPLACE ALL BLOWN FUSES	2
	VACUUM PUMP MOTOR MALFUNCTION	REPLACE VACUUM PUMP MOTOR	2
	COMPUTER MALFUNCTION	REPLACE COMPUTER	2
	EMERGENCY TEMP. SENSOR MALFUNCTION	REPLACE EMERGENCY TEMP. SENSOR	2
	OVERRIDE BUTTON PRESSED WHILE RECYCLING	PRESS OVERRIDE BUTTON TO RESTART	1
RECYCLE BUTTON MALFUNCTION	REPLACE RECYCLE BUTTON	2	
COMPUTER NOT READING VACUUM BUILDUP	DRAIN BUNG NOT SEALED	INSPECT, CLEAN AND REPLACE AS NEEDED	1
	PNEUMATIC VALVE NOT SEALED	INSPECT, CLEAN AND REPLACE AS NEEDED	1
	TUBING LEAK	RE-FLARE OR REPLACE TUBING	2
	VACUUM SWITCH MALFUNCTION	REPLACE VACUUM SWITCH	2
	TUBING / FITTINGS CLOGGED	CLEAN OR REPLACE TUBING / FITTINGS	2
	HOLE IN CONDENSER/DISTILLATION CHAMBER	REPLACE CONDENSER/DISTILLATION CHAMBER	2
	VACUUM PUMP MOTOR MALFUNCTION	REPLACE VACUUM PUMP MOTOR	2
SOLVENT IN DISTILLATION CHAMBER	PNEUMATIC VALVE NOT SEALED	CHECK PNEUMATIC VALVE / SOLENOID	1
	BLOWN HEATER FUSE	REPLACE BLOWN FUSE	2
	HEATER MALFUNCTION	REPLACE HEATER	2
	CHECK VALVE MALFUNCTION	REPLACE CHECK VALVE	2
	LOW VACUUM	CHECK FOR VACUUM LEAKS BAD PUMP	2
	TEMPERATURE SENSOR MALFUNCTION	REPLACE TEMPERATURE SENSOR	2
PNEUMATIC VALVE MALFUNCTION	BLOWN PNEUMATIC SOLENOID VALVE FUSE	REPLACE BLOWN FUSE	2
	PNEUMATIC VALVE STICKING	INSPECT, CLEAN AND REPLACE AS NEEDED	1
	PNEUMATIC SOLENOID VALVE MALFUNCTION	REPLACE PNEUMATIC SOLENOID VALVE	2
VACUUM PUMP MOTOR CAVITATING	RESTRICTOR CLOGGED	REPLACE RESTRICTOR	2
	FLUID IN BREATHER	INSPECT, CLEAN AND REPLACE AS NEEDED	2
	DISTILLATION CHAMBER OVERFILLED	MANUALLY DRAIN CHAMBER	1
	DEBRIS MAY BE CAUSING POOR BALANCE	REMOVE DEBRIS, USE SHIM TO BALANCE	1
WASH BASIN OVERFILLED	TRANSFER SOLENOID VALVE STUCK	REPLACE TRANSFER SOLENOID VALVE	2
	TOO MUCH FLUID JOGGED UP	REMOVE EXCESS SOLVENT	1
	RESERVOIR OVERFILLED	REMOVE EXCESS SOLVENT	1
BEEPING MACHINE	RESERVOIR FLOAT MALFUNCTION	REPLACE RESERVOIR FLOAT	2
	LOW RESERVOIR SOLVENT LEVEL	REFILL RESERVOIR WITH SOLVENT	1
CONSUMABLES	WORN: LID, FUSIBLE LINK, TRAYS, LABELS, BRUSH	REPLACE ANY OF THESE ITEMS IF DAMAGED	1
OTHER	CLEAN RESERVOIR OR SKIN DAMAGE	REPLACE THESE ITEMS IF DAMAGED	2
FLUID IN BLUE VACUUM LINE	CHECK VALVE MALFUNCTION	REPLACE CHECK VALVE	2
	DISTILLATION CHAMBER OVERFILLED	MANUALLY DRAIN CHAMBER	1