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 Clearwater, FL 33762  
 (727) 461-3477 (800) 331-6870  
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**COMMISSIONING AND DEMONSTRATION CHECKLIST FOR VOLUME EQUIPMENT**

Customer Name: \_\_\_\_\_

Machine Serial # \_\_\_\_\_ / \_\_\_\_\_ Model: \_\_\_\_\_ Date of Installation: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

N/A OK

- 1. Machine is grounded
- 2. Machine is level and stable
- 3. Steam venting meets Douglas guidelines
- 4. Filters fit securely
- 5. All electrical panel connections tightened
- 6. All thermostat probes in place
- 7. Thermostats set to specifications
- 8. All pump motors running clockwise
- 9. All fan motors running clockwise
- 10. Water supply temperature \_\_\_\_\_°  
must be between 120° and 140°
- 11. Water supply pressure \_\_\_\_\_ psi
- 12. Final rinse flow \_\_\_\_\_ psi  
*must be between 20 and 30 psi at flow*
- 13. Main supply voltage \_\_\_\_\_ Phase \_\_\_\_\_
- 14. Drains and overflows plumbed
- 15. Pictures have been taken of installation
- 16. Amps per phase at pre-wash tank elements  
Element #1 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Element #2 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Element #3 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- 17. Amps per phase at wash tank elements  
Element #1 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Element #2 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Element #3 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- 18. Amps per phase at rinse tank elements  
Element #1 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Element #2 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Element #3 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- 19. Low water probe free of contact with t-stat lead

N/A OK

- 20. Amps per phase at final rinse tank elements  
\_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- 21. Amps at Pre-wash gas blower motor  
Motor #1 \_\_\_\_\_ Motor #2 \_\_\_\_\_
- 22. Amps at Wash gas blower motor  
Motor #1 \_\_\_\_\_ Motor #2 \_\_\_\_\_
- 23. Amps at Rinse gas blower motor  
Motor #1 \_\_\_\_\_ Motor #2 \_\_\_\_\_
- 24. Amps per phase at pre-wash pump motors  
Wash Pump #1 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Wash Pump #2 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- 25. Amps per phase at wash pump motors  
Wash Pump #1 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Wash Pump #2 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Wash Pump #3 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Wash Pump #4 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- 26. Amps per phase at rinse pump motors  
Rinse Pump #1 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Rinse Pump #2 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- 27. Amps per phase at Exhaust fans  
Entrance Fan \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Center Fan \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Exit Fan \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- 28. Amps per phase at Blower motors  
Blower #1 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Blower #2 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Blower #3 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Blower #4 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- 29. Amps per phase at drive motors  
Hub/Belt/Carousel drive motor \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Filter drive motor \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Hold down drive motor \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Return belt drive motor \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- 30. Amps per phase at Hydraulic pump motor  
\_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- 31. Hydraulic pump running pressure \_\_\_\_\_ psi
- 32. Pre-wash tank jet pressure \_\_\_\_\_ psi



**DOUGLAS  
MACHINES  
CORP.**

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**COMMISSIONING AND DEMONSTRATION CHECKLIST FOR VOLUME EQUIPMENT**

N/A OK

- 33. Wash tank jet pressure \_\_\_\_\_psi
- 34. Rinse tank jet pressure \_\_\_\_\_psi
- 35. Final rinse jet pressure \_\_\_\_\_psi
- 36. All Motor overload(s) set at proper setting
- 37. Total Machine running amps.  
\_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

**SKIP TO #64 IF UNIT IS NOT GAS HEATED**

- 38. Gas Supply Nat. \_\_\_\_\_ Propane \_\_\_\_\_
- 39. #1 Pre-Wash Gas Pressure In \_\_\_\_\_ " Out \_\_\_\_\_ "  
*Water column measured at full burn*
- 40. #2 Pre-Wash Gas Pressure In \_\_\_\_\_ " Out \_\_\_\_\_ "  
*Water column measured at full burn*
- 41. #1 Wash Gas Pressure In \_\_\_\_\_ " Out \_\_\_\_\_ "  
*Water column measured at full burn*
- 42. #2 Wash Gas Pressure In \_\_\_\_\_ " Out \_\_\_\_\_ "  
*Water column measured at full burn*
- 43. #1 Rinse Gas Pressure In \_\_\_\_\_ " Out \_\_\_\_\_ "  
*Water column measured at full burn*
- 44. #2 Rinse Gas Pressure In \_\_\_\_\_ " Out \_\_\_\_\_ "  
*Water column measured at full burn*
- 45. Final Rinse Gas Pressure In \_\_\_\_\_ " Out \_\_\_\_\_ "  
*Water column measured at full burn*
- 46. Gas Nozzle(s) aligned to immersion tube(s)  
*Maxon burners only*
- 47. Flame/Spark Rod(s) free of component contact
- 48. Water column on Pre-wash flue #1 \_\_\_\_\_ "#2 \_\_\_\_\_ "  
*Measured 6" above diverter*
- 49. Water column on wash flue #1 \_\_\_\_\_ "#2 \_\_\_\_\_ "  
*Measured 6" above diverter*
- 50. Water column on rinse flue #1 \_\_\_\_\_ " #2 \_\_\_\_\_ "  
*Measured 6" above diverter*

N/A OK

- 51. Water column Final rinse flue #1 \_\_\_\_\_ "  
*Measured 6" above diverter*
- 52. Wash flue pipe size \_\_\_\_\_ "
- 53. Rinse flue pipe size \_\_\_\_\_ "
- 54. Final rinse flue pipe size \_\_\_\_\_ "
- 55. Inducing fan installed on Pre-wash flue
- 56. Inducing fan installed on wash flue
- 57. Inducing fan installed on rinse flue
- 58. Inducing fan installed on final rinse flue
- 59. Pre-wash draft diverter size \_\_\_\_\_ "
- 60. Wash draft diverter size \_\_\_\_\_ "
- 61. Rinse draft diverter size \_\_\_\_\_ "
- 62. Final rinse draft diverter size \_\_\_\_\_ "
- 63. All burners working correctly

**SKIP TO NEXT PAGE IF UNIT IS NOT STEAM HEATED**

- 64. Pre-wash incoming steam pressure \_\_\_\_\_psi
- 65. Pre-wash steam trap size \_\_\_\_\_lbs
- 66. Wash tank incoming steam pressure \_\_\_\_\_psi
- 67. Wash tank steam trap size \_\_\_\_\_lbs
- 68. Rinse tank incoming steam pressure \_\_\_\_\_psi
- 69. Rinse tank steam trap size \_\_\_\_\_lbs
- 70. Final rinse incoming steam pressure \_\_\_\_\_psi
- 71. Final rinse steam trap size \_\_\_\_\_lbs
- 72. Main Steam supply pipe size \_\_\_\_\_dia
- 73. Returning the steam to boiler?
- 74. Using a condensate pump?



**COMMISSIONING AND DEMONSTRATION CHECKLIST FOR VOLUME EQUIPMENT**  
**Customer Demonstration Checklist**  
Customer must be shown all that apply

- N/A OK  
  1. How to remove and clean filter baskets
2. How to clean immersion heaters or gas/steam immersion tubes  
*ensure power is off*
3. How to remove end caps
4. How to clean out the jets
5. How to load product correctly
6. Location of Pre-wash jets
7. Location of wash jets
8. Location of rinse jets
9. Location of final rinse jets
10. Location of pre-wash thermostat and temp.gauge
11. Location of tank floats

- N/A OK  
  12. Location of wash thermostat and temp.gauge
13. Location of rinse thermostat and temp. gauge
14. Location of final rinse thermostat and temp gauge
15. Location of Pre-wash pressure gauge
16. Location of wash pressure gauge
17. Location of rinse pressure gauge
- 18 Location of final rinse pressure gauge
19. How to set hold down to correct height
20. Location of motor overload reset button(s)
21. Location of all breakers/fuses in control panel and their purpose
22. Location of MAIN power supply disconnect

**This Demonstration has been completed to my satisfaction**

Customer Name: \_\_\_\_\_ Title \_\_\_\_\_

Customer Signature \_\_\_\_\_

Customer Comments: \_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

Service Company \_\_\_\_\_ Technician \_\_\_\_\_

Technician Comments: \_\_\_\_\_

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