

EQUIPMENT TESTS FOR HHST PASTEURIZATION SYSTEMS WITH FDD LOCATED AFTER HOLDING TUBE.

Refer to test nos. in Appendix I of PMO (2003 Revision)

TEST NO.	INSTRUMENT OR DEVICE	TEST OBJECTIVE
1	Indicating Thermometers	Temperature accuracy
2	Recording Thermometer	Temperature accuracy
3	Recording Thermometer	Time accuracy
4	Indicating and Recording Thermometer	Recording vs. Indicating thermometer
5.1	FDD	Leakage past FDD
5.2	FDD	FDD - Freedom of movement
5.4	FDD	Device assembly (dual stem)
5.5	FDD	Manual diversion
5.6	FDD	Response time
5.7	FDD	Time delay (inspect)
5.8	FDD	Time delay (CIP)
5.9	NOT APPLICABLE TO HHST	Time delay (leak detect flush)
6	NOT APPLICABLE	Leakage
7	Indicating Thermometer	Response time
8	Recording Thermometer	Response time
9.1	NOT APPLICABLE	Regenerator pressures
9.2.1	Differential Pressure Switches/Controllers	Calibration (zero)
9.2.2	Differential Pressure Switches/Controllers	Differential pressure across regenerator
9.2.3	NOT APPLICABLE	Differential pressure across regenerator
9.3.1	Booster pump / FDD	Interwiring check
9.3.2	Booster pump / Timing pump	Interwiring check
10.1	FDD	Temperature cut-in-cut-out
10.2	NOT APPLICABLE	Temperature cut-in-cut-out
10.3	NOT APPLICABLE	Temperature cut-in-cut-out
11.1	NOT APPLICABLE TO HHST	Holding time
11.2.a	NOT APPLICABLE TO HHST	Holding time
11.2.b	Magnetic Flow Meter Based Timing Systems	Flow alarm
11.2.c	Magnetic Flow Meter Based Timing Systems	Loss of signal / low flow alarm
11.2.d	Magnetic Flow Meter Based Timing Systems	Flow rate cut-in/cut-out
11.2.e	Magnetic Flow Meter Based Timing Systems	Time delay
11.3	Holding Tubes (Indirect Heating)	Holding time
11.4	NOT APPLICABLE	Holding time
11.5	NOT APPLICABLE	Holding time
12.1	NOT APPLICABLE WITH FDD AT HOLDING TUBE	Sequence logic
12.2	NOT APPLICABLE	Sequence logic
13	Pressure Switch	Pressure in holding tube
14	NOT APPLICABLE	Differential pressure across injector
15	Electronic Controls	Electro-Magnetic Interference