

CUSTOM CRIMP

EUROPE



BE SERIES ELECTRONIC TEST BENCH OPERATORS MANUAL



SAFETY PRECAUTIONS



READ INSTRUCTIONS AND IDENTIFY ALL COMPONENT PARTS BEFORE OPERATING BENCH

TEST BENCH PRODUCES EXTREMELY HIGH PRESSURE. USE CAUTION WHEN OPERATING

KEEP HANDS AWAY FROM PINCH POINTS

CONSULT HOSE AND FITTING MANUFACTURER'S SPECIFICATIONS FOR CORRECT TESTING PROCEDURE

ALWAYS WEAR EYE PROTECTION

BE Series Test Bench models available:

BE1500 Series: 1500 bar (21,500psi)

BE2500 Series: 2500 bar (37,500psi)

BE3500 Series: 3500 bar (50,000psi)

Operation is similar for all models with the exception of the maximum pressure.

Custom Crimp Europe
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EMERGENCY STOP

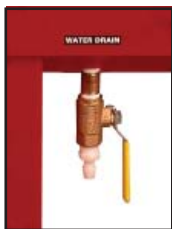
PAPER TAPE RECORD OUTPUT

AIR PRESSURE GAGE

SYSTEM PRESSURE REGULATOR

LIGHT SWITCH

WATER PRESSURE GAGE



WATER DRAIN VALVE



CONTROL PANEL



HIGH PRESSURE MANIFOLD



AIR INLET FILTER AND LUBRICATOR



WATER INLET

110V ELECTRICAL CONNECTION

AIR INLET (80 PSI MIN)

ELECTRICAL INTER-LOCK SWITCH



PRINTER CONNECTION

LIGHT CONNECTION

110V POWER IN

TEST BENCH CONNECTIONS

- Connect a water supply hose to the water inlet connection which is located at the rear of the control cabinet.
- Connect a water drain hose to the water drain connection located at the rear of the test bench. Run the drain line to an appropriate drainage area.
- Connect an air supply (80 psi Min) to the air inlet/f lter, and make certain that the lubricator is f lled with oil. This must be checked periodically to assure proper operation of the pump.

Note: for optimum performance an air supply of 28 SCFM is recommended.

- Plug the electrical cord into a standard 110VAC outlet.

TEST BENCH OPERATION

- Prior to operating bench, make sure that pressure regulator knob is adjusted all the way out (counterclockwise).

- Follow the screen prompts to input test parameters.

- Raise the tank lid and connect hose to be tested to the high pressure manifold.

- Note: The manifold port threads are a special high-pressure coned configuration that only accepts the proper mating fittings. (Adapters are available to connect various thread sizes to the manifold.)

- Secure the supplied plugs in unused manifold ports.

- It is recommended that a high pressure bleed valve be installed on the free end of the hose for purging air out of the lines.

- Open the bleed valve and f ll the hose with water.

- Close the bleed valve when the hose is f lled with water.

- Place supplied rubber safety mat over hose.

- Lower tank lid and make sure latch engages to ensure it is fully closed.

- Adjust the air pressure regulator such that the maximum test pressure can be achieved. If the air pressure is set to a higher pressure than required to achieve the hose test pressure there is a danger that the pump may overshoot the test pressure.

- Follow screen prompts to set up and start actual tests.

- When the test cycle is complete, disconnect the hose and drain the remaining water from the hos

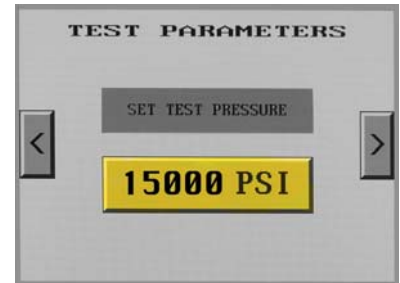




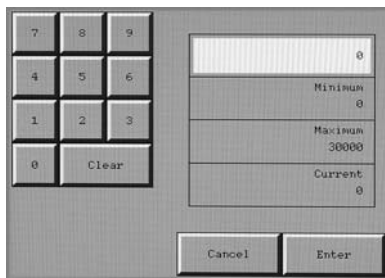
After the system initializes and loads, the "Begin Test" screen will appear.



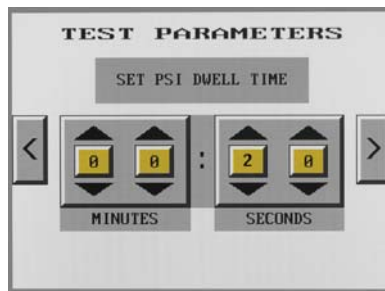
Press New Test to initiate a test or Repeat Test to repeat the previous test.



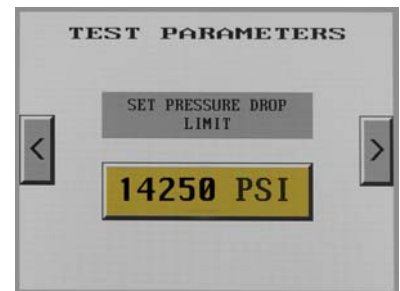
Press the pressure button to bring up the pressure adjustment keypad screen.



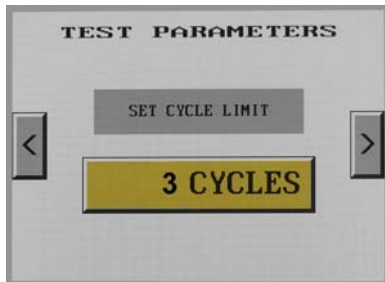
Enter the max test pressure. Keypads will pop up for settings not indicated by arrows as shown on the next screen.



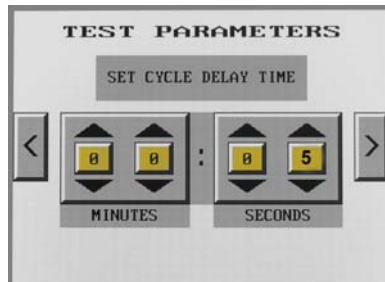
Set the time for the hose to be held at test pressure.



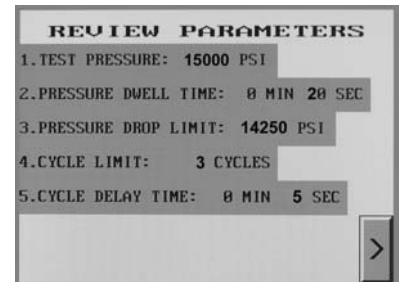
Enter the minimum pressure allowed during the test cycle.



Enter the number of times that the test is to be run.



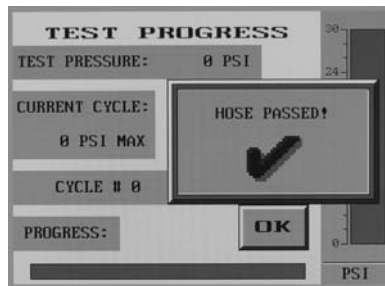
Enter the delay time between test cycles.



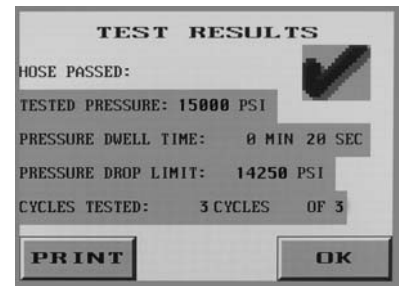
Review test parameters prior to running test.



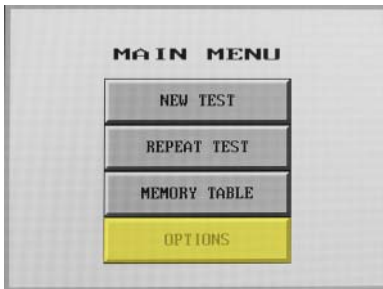
If test parameters and test setup is correct, start test.



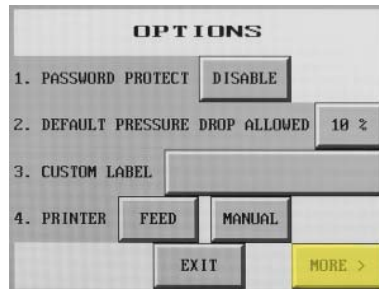
Test progress is shown.



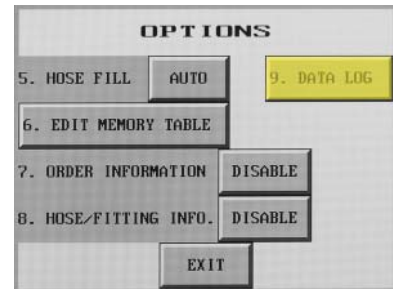
Test results are shown and the print option is available.



From the main screen, select Options.



Select More from the Options menu.



Select Data Log from the second Options screen.



Following instructions on the screen, Install Flash Drive.



Press Start Transfer once the unit is ready. (Screen will flash briefly)

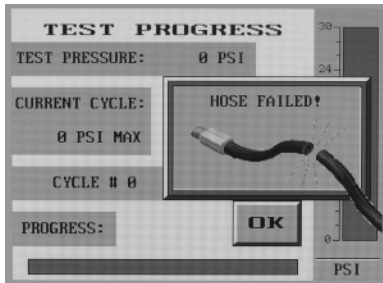


Select Remove USB once transfer completes. Exit and remove Flash Drive from control panel.

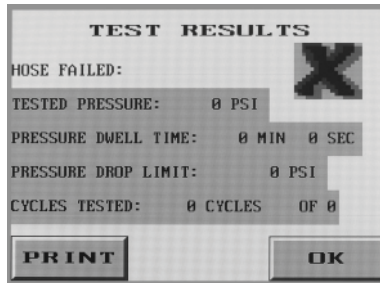
#	Date	ORDER #	TEST PSI	CURRENT	DWELL - I	DWELL - S	CURRENT PSI	H	I	J	K	L
2	6/3/2010 9:53	12368	1000	1036	0	10	1000	900	0	5	0	
3	6/3/2010 9:53	12368	1000	1216	0	10	1168	900	1	5	0	
4	6/3/2010 9:53	12368	1000	1165	0	10	1122	900	3	5	0	
5	6/3/2010 9:53	12368	1000	1102	0	10	1064	900	3	5	0	
6	6/3/2010 9:54	12368	1000	1079	0	10	1026	900	4	5	0	
7	6/3/2010 9:54	132	1500	1541	0	10	1501	1350	0	2	0	
8	6/3/2010 9:55	132	1500	1546	0	10	1500	1350	1	2	0	
9	6/3/2010 9:59	658	2000	2095	0	10	2037	1800	1	10	0	
10	6/3/2010 9:59	658	2000	2087	0	10	2024	1800	3	10	0	
11	6/3/2010 10:00	658	2000	2115	0	10	2060	1800	5	10	0	
12	6/3/2010 10:00	658	2000	2109	0	10	2046	1800	7	10	0	
13	6/3/2010 10:00	658	2000	2085	0	10	2019	1800	9	10	0	
14	6/3/2010 10:01	658	850	1140	0	10	1090	765	0	10	0	
15	6/3/2010 10:01	658	850	1111	0	10	1077	765	1	10	0	
16	6/3/2010 10:02	658	850	938	0	10	893	765	2	10	0	
17	6/3/2010 10:02	658	850	887	0	10	858	765	3	10	0	
18	6/3/2010 10:08	9453	600	713	0	4	671	540	0	10	0	
19	6/3/2010 10:08	9453	600	687	0	4	639	540	1	10	0	
20	6/3/2010 10:08	9453	600	637	0	4	599	540	2	10	0	
21	6/3/2010 10:08	9453	600	665	0	4	625	540	3	10	0	
22	6/3/2010 10:08	9453	600	670	0	4	626	540	4	10	0	
23	6/3/2010 10:08	9453	600	672	0	4	636	540	5	10	0	
24	6/3/2010 10:08	9453	600	670	0	4	627	540	6	10	0	

Log files will be saved on USB drive. Using a computer, locate the EA_LogCopy folder to view data. A separate file will be saved and labeled for each day. Information is most compatible with a program like Microsoft Excel. Test results will be stored and formatted as shown above.

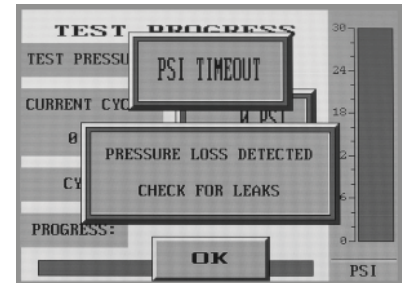
There are informational, adjustment and warning screens programmed into the software. While most are self explanatory, a brief description is given below.



If the test does not complete satisfactorily, the Hose Failed screen will appear.



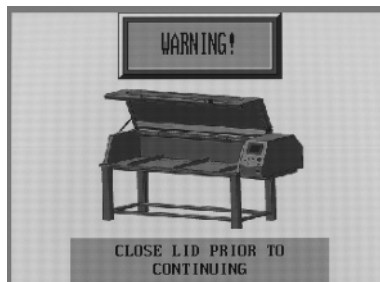
This screen details the cause of the failed test.



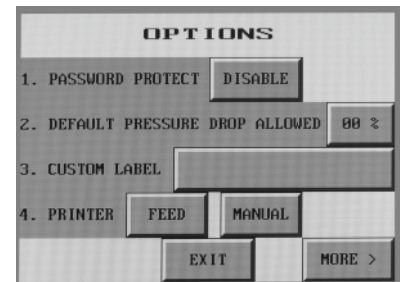
Test cycle was unable to finish due to pressure leaks.



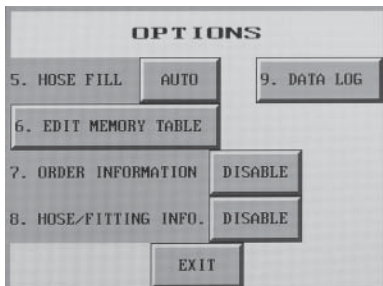
Emergency stop is depressed.



Test bench lid is not properly closed and latched.



From the Main Menu Options screen, default parameters can be set.



Access to the memory table and adjustments to the print tape can be found here.