

TEST 1: BASELINE TEST

Test 1 will provide a reference point for our results. As we change each parameter, we will see the effect that it has on the output waveform of the system.

TEST 2: SPEED TEST

Test 2 will show the effect of the change in speed on our system. As we change the speed we should get a relationship between the change in speed and the result of the output curve.

TEST 3: SPEED TEST

Test 3 will show the effect of the change in acceleration on our system. As we change the acceleration we should get a relationship between the change in acceleration and the result of the output curve.

TEST 4: DISPLACEMENT TEST

Test 4 will show the effect of the change in displacement on our system. As we change the displacement we should get a relationship between the change in displacement and the result of the output curve.

TEST 5: TIME TEST

Test 5 will show the effect of the explicit change in SEP, along with the implicit change in DFP, on our system. As we change the SEP we should get a relationship between the change in SEP and the result of the output curve.

TEST 6: FREQUENCY TEST

Test 6 will show the effect of the change in HR on our system. As we change the HR we should get a relationship between the change in HR and the result of the output curve.

TEST 7: RESISTANCE TEST

Test 7 will show the effect of the change in resistance on our system. As we change the resistance we should get a relationship between the change in resistance and the result of the output curve. The resistance will be changed by opening or closing the globe valve.

TEST 8: AORTIC PRESSURE TEST

Test 8 will show the effect of changing the prepressurization in the aortic chamber on our system. As we change the prepressurization in the aortic chamber we should get a relationship between the change in prepressurization in the aortic chamber and the result of the output curve.

TEST 9: ATRIAL PRESSURE TEST

Test 9 will show the effect of changing the prepressurization in the atrial chamber on our system. As we change the prepressurization in the atrial chamber we should get a relationship between the change in prepressurization in the atrial chamber and the result of the output curve.