



DURASTROKE 1300  
FAIL IN LAST POSITION

NORMAL OPERATION

1. PLANT AIR IS PASSED THROUGH THE POSITIONER SUPPLY OUTLET TO THE VERSA VALVE WHICH PASSES THE SUPPLY AIR INTO THE ACTUATOR THROUGH THE DIAPHRAGM SUPPLY INLET AIR LINE.
2. THE POSITIONER SUPPLIES PROPORTIONAL AIR PRESSURE TO THE VERSA VALVE AS CONTROLLED BY THE INSTRUMENT AIR SUPPLY LINE.

OPERATION UPON PLANT AIR FAILURE

1. LOSS OF PLANT AIR PRESSURE CAUSES LOSS OF PRESSURE TO THE VERSA VALVE VIA THE PILOT AIR SUPPLY LINE.
2. LOSS OF PRESSURE IN THE PILOT AIR SUPPLY LINE ALLOWS A SPRING LOADED VALVE TO CLOSE IN THE VERSA VALVE.
3. UPON VALVE CLOSURE, AIR PRESSURE IS CAPTURED AT THE DIAPHRAGM AND THE ACTUATOR IS LOCKED INTO LAST POSITION.



**DURASTROKE 1300, FLP**  
**AIR FAIL OPERATION**

DATE: 4/1/2020

BY: PR

FILE: D1300 FLP OPERATION

REV: