

EDC UNIT SOP MANUAL

Section: Ethylene

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Description: Start Up Orange Ethylene System

EFFECTIVE DATE: 5/12/92
Revision #: newAPPROVED BY: Kalans

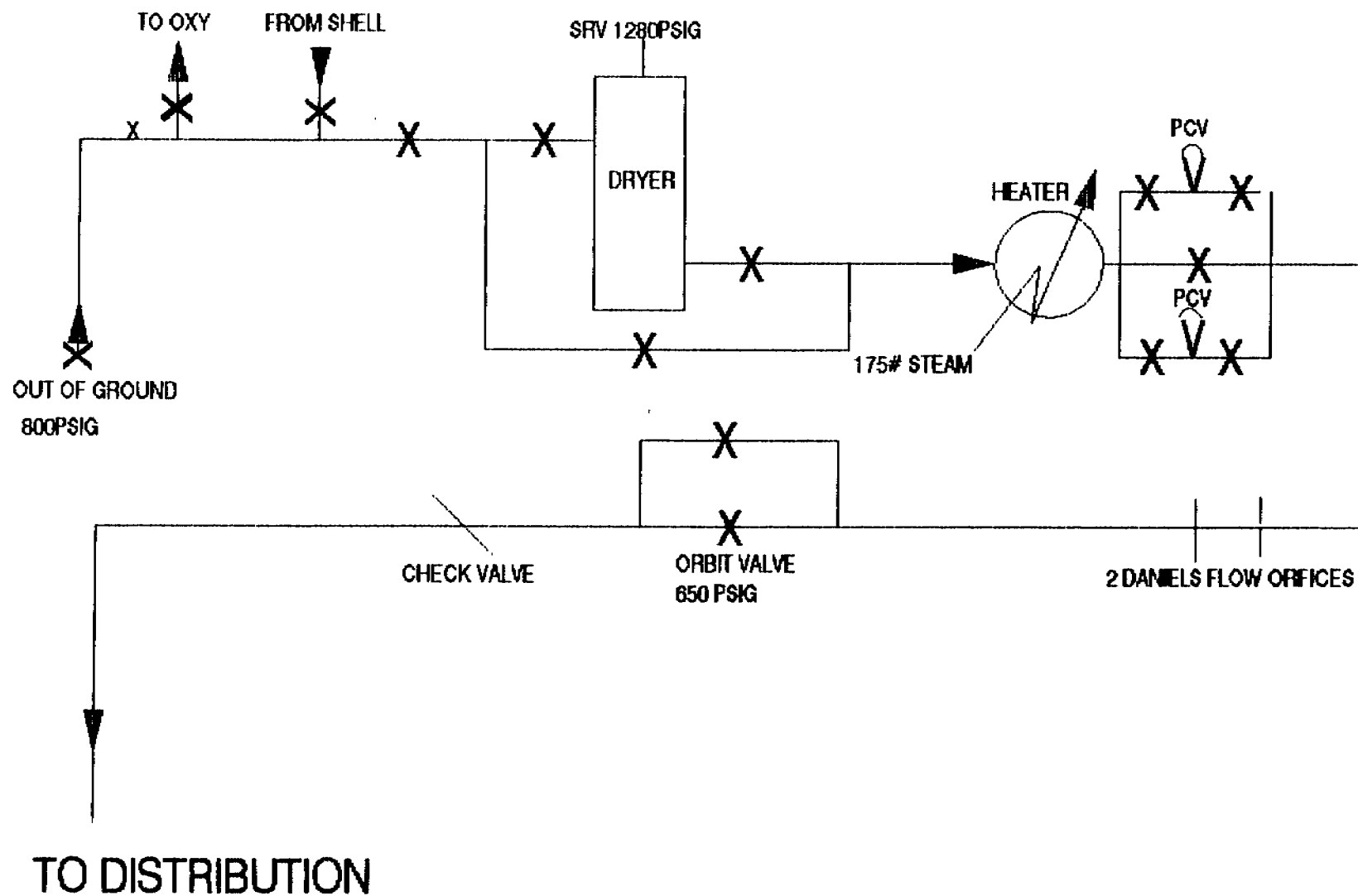
- ___ 1. INSPECT THE STATION.
Any vessels or lines that were opened should be leak-checked, nitrogen-purged, and ethylene-purged before station startup.
- ___ 2. MAKE CERTAIN THAT SUPPLIERS AT ORANGE, TX ARE READY TO SUPPLY.
Usually, this is done by the unit foreman. This will also involve PPG instrument mechanics or supervision making the trip to Orange, TX to line up the flow there.
- ___ 3. STROKE THE PCV AND THE TCV TO MAKE SURE THEY ARE OPERATIONAL.
- ___ 4. LINE UP THE FLOW BOTH UPSTREAM AND DOWNSTREAM OF THE PCV. OPEN STEAM FLOW TO THE TCV.
- ___ 5. NOTIFY ALL ETHYLENE CONSUMERS OF THE STATION STARTUP.
- ___ 6. WITH THE PCV ON MANUAL, START A SMALL ETHYLENE FLOW.
- ___ 7. AS SOON AS THE TEMPERATURE AT THE ORIFICE RUN BEGINS TO DROP, START A STEAM FLOW ON THE HEATER.
- ___ 8. RAISE THE ETHYLENE FLOW SLOWLY. IN THE MEANTIME, CLOSELY MONITOR THE ETHYLENE TEMPERATURE. ADJUST STEAM AS NECESSARY.
- ___ 9. PUT THE TCV ON AUTOMATIC ONCE ENOUGH ETHYLENE FLOW HAS BEEN ESTABLISHED THAT THE TCV CAN WORK. This should be about 20,000 #'s/hr.
- ___ 10. CONTINUE TO RAISE ETHYLENE TAKE UNTIL THE DESIRED FLOW IS ATTAINED.
- ___ 11. IF THE OPERATOR WANTS TO PUT THE PCV ON AUTOMATIC, HE WILL FIRST NEED TO PUT THE OXY PCV ON MANUAL. BOTH OXY AND ORANGE PCV'S CANNOT SIMULTANEOUSLY RUN ON AUTOMATIC.

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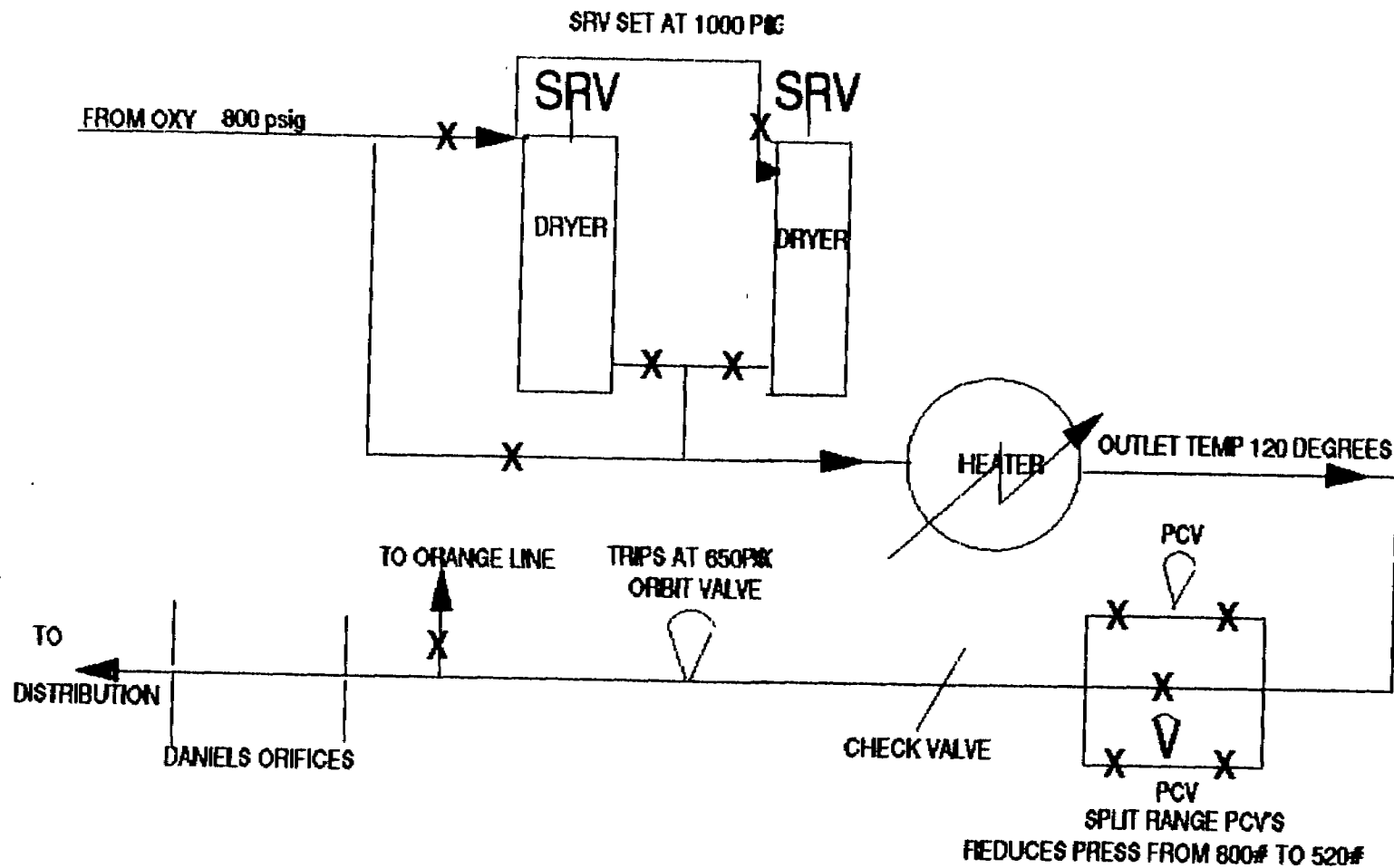
ORANGE ETHYLENE LINE AT PPG



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OCCIDENTALETHYLENE



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