

Ethanolamines/Glycol Ethers

Tier 3 Procedure

Section Number :227
Issue Number :1.3
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Title :F-273 A, B, C Element Change "B" References
References :Glossary Of Equipment Identification (Text #114)

227 F-273 A, B, C Element Change "B" References

1.0 Objective:

1.1 To replace these elements in a safe and efficient manner.

2.0 Responsibility:

2.1 It is the responsibility of the Operations Supervisor and the Senior Operations Specialist to ensure that this procedure is fully complied with.

2.2 It is the responsibility of the Senior Operations Specialist and the Operations Specialist to ensure that this procedure is executed in a safe and efficient manner.

3.0 Special Notations:

3.1 The following steps outline the correct procedure for changing filter elements in the F-273 filters. The Operators should be knowledgeable of the operation of these filters before attempting any maintenance on them. Think safety at all times. Valves should be operated in the order of the following steps.

3.2 The "A" filter should be replaced with 100 micron, "B" with 50 micron, and "C" with 10 micron.

4.0 Safety Notation:

4.1 Monogoggles and rubber gloves are required for this job.

5.0 Procedure:

5.1 Close the inlet, outlet and all drain valves.

5.2 Open the main nitrogen supply valve and the nitrogen inlet valves to each filter. This will allow each filter to pressure up.

5.3 Open the drain valves and the drain return valve at DV-273B.

5.4 Allow the nitrogen to blow the product out of the filters into DV-273B. You can tell when the filter is empty by listening to the nitrogen passing through the filter.

5.5 As each filter goes empty, block it's drain valve in. When all three filters are empty open the bottom drain valves again to make sure the filters are empty.

5.0 Procedure: Cont'd.

5.6 When the filters are empty, close the drain return valve at DV-273B first then close all the drain valves on the filters.

5.7 Close the main nitrogen supply valve and open the top bleed valves to allow the filters to depressure.

5.8 Tag the inlet, outlet, main nitrogen supply valve, and the drain return valve to DV-273B closed.

5.9 Tag the top three bleed valves and the three nitrogen inlet valves open.

5.10 To remove the filter heads, disconnect the nitrogen tubing at the tee. Then loosen the head latches and remove the heads.

6.0 Revisions:

Revision No.1	04-21-93	Yearly Review
Revision No.2	12-20-94	Yearly Review
Revision No.3	12-29-95	Yearly Review