



MVS
ENGINEERING PVT. LTD.

Service Bulletin

S1025

CMS TOPPING UP PROCEDURE WITH COCONUT FIBER

PROBLEM

SOLUTION

- Powder formation of CMS. This may be evident if you observe:
 - Black particles in glass tube rotameter after surge vessel
- Purity level is going down
- During periodic preventive maintenance, CMS level has gone down

Topping up of PSA tower with CMS will be required



REQUIRED TOOLS

Spanner set (Open end Ring), Slide spanner, Coconut fiber, New CMS



ADVISORY

Shut down the PSA plant and ensure no air is passing through the PSA towers

Ensure pressure is zero in both PSA towers



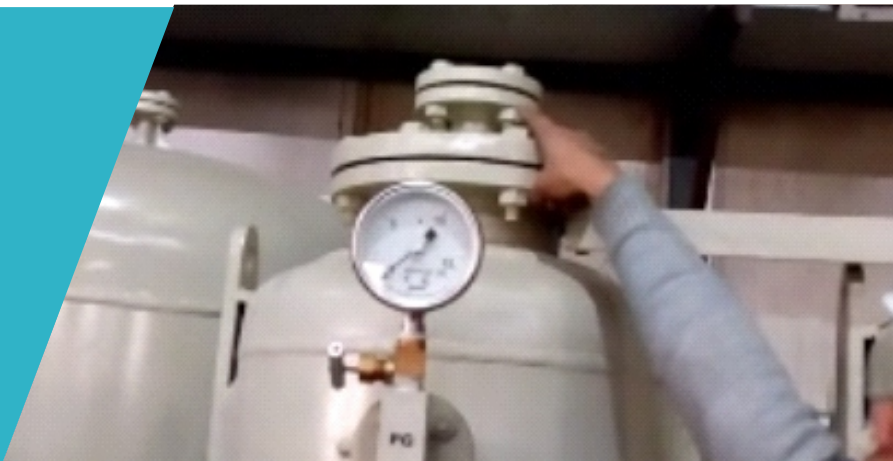


ADVISORY

If the pressure in any tower is not zero, then manually open the exhaust valve to release air from that tower to bring the pressure down to zero

NOTE : Depressurization step above should only be done by a qualified technician who is competent in working with pneumatic systems

Once the pressure is zero in both towers,
open the top flange of one tower only



ADVISORY

Only one tower should be opened at any time. Do not open the other tower until work has been completed on the first tower.

Check coconut fiber bed. If found loose,
remove it



Measure CMS level below the top flange



- Ideally, CMS level should be up to the straight portion of dish end or up to top level of the filter

If CMS level is below this level, fill CMS in the tower until the CMS level has reached suggested point



Refill coconut fiber and tighten properly



Put back flange and tighten properly



- Repeat steps 3-7 for the second tower



PLEASE WATCH THE VIDEO, LINK BELOW

<https://www.youtube.com/watch?v=IGmHsNG6rF4>