



**MVS**  
ENGINEERING PVT. LTD.

## Service Bulletin

# S1024

## CMS Topping up procedure

### 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



### ADVISORY

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

**Ensure Pressure is zero in both  
PSA towers**



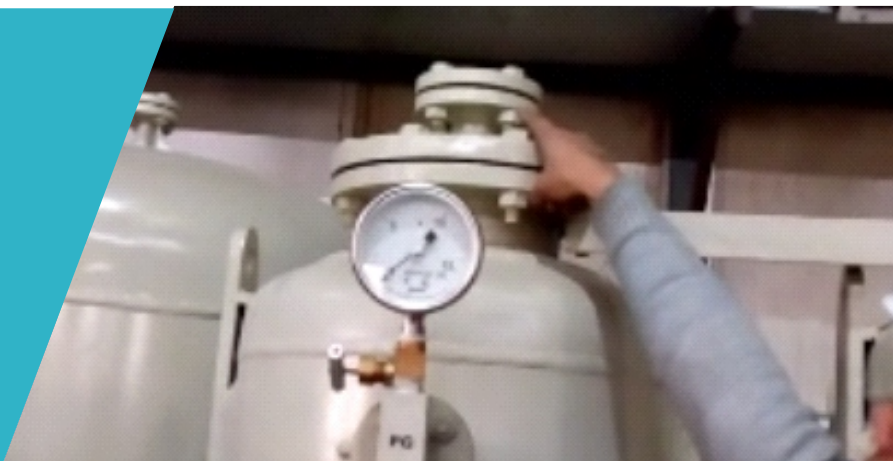


## ADVISORY

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

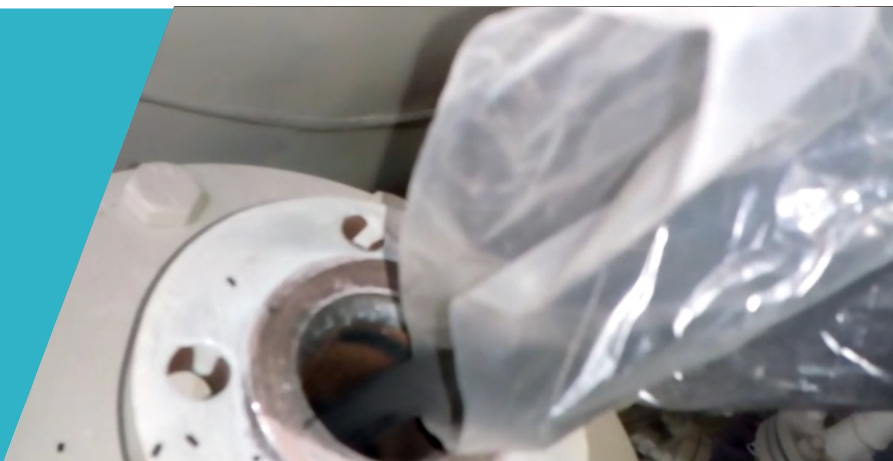
Only one tower should be opened at any time. Do not open the other tower until work has been completed on the first tower.

Measure CMS level below the top flange

(CMS level should be up to top flange of psa tower)



If CMS level is below the top flange of PSA tower, fill CMS in the tower until the CMS level has reached top flange of the PSA tower



Put back flange and tighten properly



- Repeat steps 3-6 for the second tower



PLEASE WATCH THE VIDEO, LINK BELOW

<https://www.youtube.com/watch?v=ZT2esLqQpOU&t=31s>