

Please pay attention to the following points when using MediaGuard®:

- 1) Always use **KDF coarse** (with less fines than KDF regular)
- 2) Always **roll the drum** of KDF Medium to allow fine/coarse medium mixed well
- 3) Use **0.9 lb of KDF medium in each cartridge** with about 2.5 inches of free board (too much KDF resulting in pack up of the medium during backwash – poor cleaning of KDF)
- 4) Always fill the KDF medium into the cartridges using the accessory kit (measuring cup and funnel)
- 5) After filling the KDF medium into the cartridge, clean the top and bottom of each cartridge carefully and ensure no foreign particles there – if foreign particles present, you may be unable to lock cartridges onto each other
- 6) Always clean the groove for O rings carefully and ensure no foreign particles there – if foreign particles present you may be unable to place the O rings properly
- 7) Use assemble tool for the assembly of cartridges onto each other
- 8) There is excessive plastic for locking cartridges firmly together. Once you unlock the cartridges from each other, the locking mechanism is damaged permanently and the cartridges can no longer locking together firmly anymore (DO NOT reuse the unlocked cartridges again)
- 9) Preferable to have 20 inches of free board inside the tank, but 15 inches is still acceptable with more difficulty when putting the MediaGuard into the tank (you may needed to tilted the tank and then put it into the tank)
- 10) Always have the MediaGuard in parallel with the riser tube when putting it into the tank
- 11) **Backwash flow rate** : Using **4 gpm for 4 cartridges** system and **6 gpm for 6 cartridges** system. (lower backwash flow – insufficient to lift KDF medium resulting in cake up of medium, high backwash flow – will pack up medium resulting in poor cleaning of medium)
- 12) Always **backwash twice during the start up** after installation
- 13) The **backwash frequency is at least one a week**
- 14) Do not use air injection with MediaGuard in the same tank. Air will be accumulated inside the MediaGuard resulting in KDF cake up easily