

- \* These 3 steps are for 6- cartridge only
  - \*\* The riser tube extended unit is being used for retrofit only and to be ordered separately
  - \*\*\* Always keep assembled or installed MediaGuard dry for avoiding oxide build up on the surface of KDF medium permanently.
  - \*\*\*\* However, the above figure(s) may very depend on mainly two (2) factors which are daily usage of water and water chemistry of raw water (incoming water)
- O = O RING

## Assembly of MediaGuard® with accessory kit

### Before Assembly

- fill the measuring cup with KDF® Medium up to the surface level and pour the KDF Medium into the cartridge through the funnel (never higher than the "level" marked on the body of each cartridge)
- clean the top & 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
- all O-rings must be lubricated by FDA grade silicone grease now
- put all appropriate O-rings onto the respective part according to the following chart

Part	O - ring					
	10-238 3-1/8x3/16	10-234 2-1/8x1/16	10-254 60mmx2mm	10-215 1x3/16	10-210 3/4x1/8	Ecowater original
Universal adapter	1	1				
Special adapter		2				
Ecowater adapter		1				3
Cartridge 10-102 to 10-104		1				
Cartridge 10-105A			1	1		

### Assembly \*\*\*

STEP 1- insert 10-105A cartridge into the assembly tool which is sitting on any flat surface (e.g. table) with 2-U-shaped holes of the cartridge sitting on the rod located inside the assembly tool

STEP 2- lock 10-104 cartridge onto the top of 10-105A cartridge by turning clockwise

STEP 3- lock 10-104 cartridge onto the top of other 10-104 cartridge

STEP 4- lock 10-104 cartridge onto the top of other 10-104 cartridge

STEP 5- put 10-107 base sleeve on top of 10-114 extended base sleeve

STEP 6- put the assembled sleeves onto the assembled cartridges

STEP 7- lock 10-103 cartridge onto the top of 10-104 cartridge

STEP 8- lock 10-102 cartridge onto the top of 10-103 cartridge

STEP 9- put special adapter onto the bottom of control valve by means of SS screws or simply turn adapters clockwise

STEP 10- lock the universal adapter or special adapter with/without control valve onto the top of 10-102 cartridge

Always keep assembled MediaGuard dry for avoiding oxide build up on the surface of KDF medium permanently

### Installation of MediaGuard into the Tank \*\*\*

- ensure the riser tube is located vertically at the center of the tank (there may be a dome at the bottom of the tank and make the riser tube deflected away from the center of the tank).
- recommend to use tank height of at least 40" and 47" for 4-cartridge and 6-cartridge respectively with 12" of free board. Shorter tank is possible and contact manufacturer for advice.
- always lower the MediaGuard into the Tank by turning the MediaGuard clockwise for avoiding the loosen of cartridges
- do not use excessive force during installation.

### Backwash Requirements

- at least 4 GPM but no more than 5 GPM for 4-cartridge
- at least 6 GPM but no more than 7.5 GPM for 6-cartridge
- recommend to backwash 3 days or as needed for using KDF 55 \*\*\*\*
- recommend to backwash daily or as needed for using KDF 85 \*\*\*\*
- always start up backwash and service for 2-3 times at low flow rate (2-3 gpm) with each duration of approx. 3 minutes for getting KDF medium WET completely

### Pressure drop during service

- estimated pressure drop of MediaGuard is 2.5-3 PSI at 4 GPM
- flow higher than 4 GPM is possible with less removal % and more pressure drop only

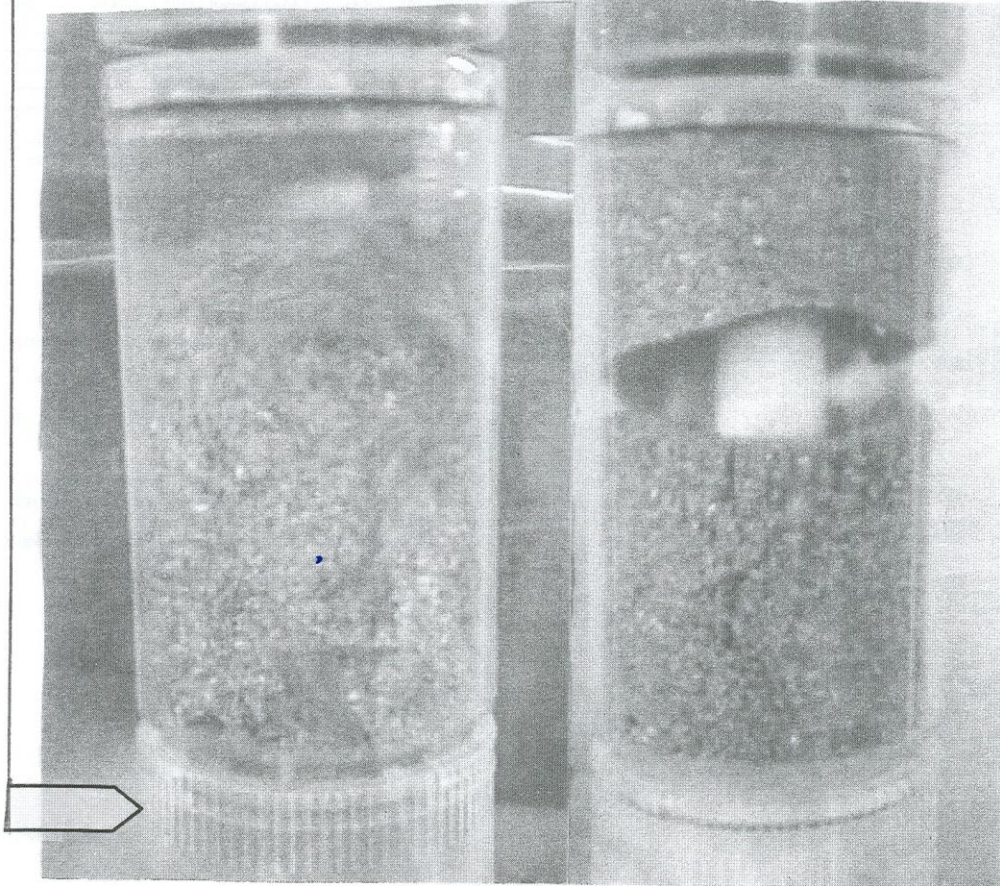
### LIMITED WARRANTY

Canpro Water Treatment Inc. warrants its products to be free from original defects in material and workmanship for a period of one year from the date of purchase, provided that the products are used within the working specifications (provided applying with proper handling, assembly and installation) for which designed and under normal use and service. Seller's liability under this warranty is limited solely to the replacement or repair of the defective product, or, at seller's option, a refund of the purchase price, and the seller shall not be liable for any damage or loss arising out of the purchase or use of said products beyond such repair, replacement or refund of the purchase price. Seller makes no other warranties, express or implied. This piece of warranty information supercede all previous warranty information.

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**NOTES :**

- Always **roll the drum of KDF Medium** to allow fine/coarse medium mixed well.
- Prefer to use **KDF 55 COARSE** than KDF REGULAR.
- Use **0.9 lb.** of KDF medium in each cartridge (never higher than the “level” marked on the body of each cartridge).
- Backwash flow rate : **4 gpm** for 4 cartridges system and **6 gpm** for 6 cartridges systems.
- Ensure cartridge 104 is **LOCKED** onto the bottom of the cartridge 103 properly (recommended to use the **assembly tool** of the accessory kit).



**CORRECT** amount of KDF medium  
**AND CORRECT** backwash flow rate  
( **4 gpm** for 4 cartridges system and  
**6 gpm** for 6 cartridges system)

**TOO MUCH** amount of KDF medium  
**OR TOO HIGH** backwash flow rate