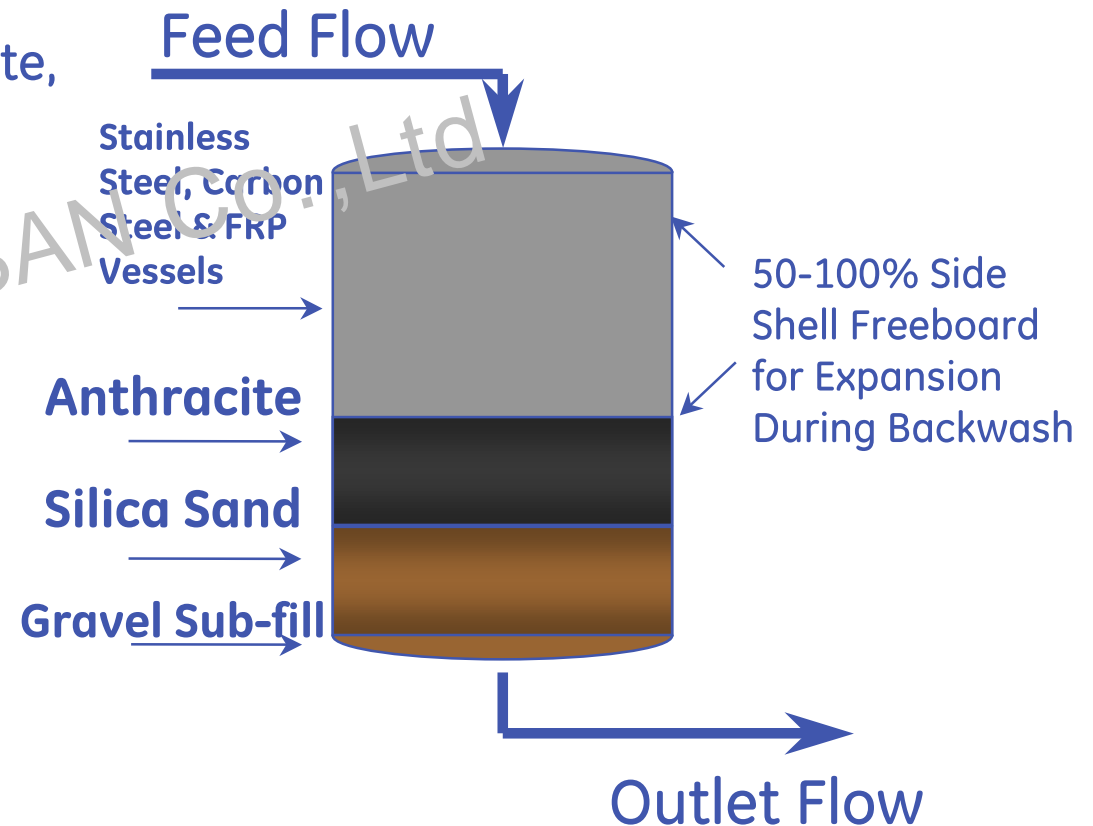


Suspended Solids Filtration

Multi Media Filters

- 3-7 gpm per ft² service flow rate, depending on feed TSS
- Consider Coagulation and Air-Scour if high TSS loading (> 10 ppm)
- Max TSS = 50ppm; 50 NTU turbidity
- Removes TSS down to approx. 10-20 microns
- Media lasts approximately 5 years



Suspended Solids Filtration

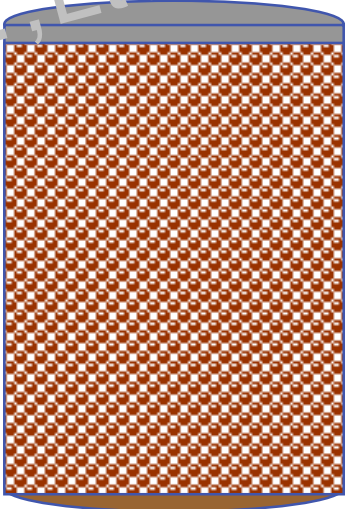
Multi Media Filters

- Backwashed at 10 psid pressure drop, or once per week minimum
- 12-20 gpm per ft² backwash flow rate – Temperature Dependant (Warmer water, More flow)
- 0.2 NTU Output target

SHINSAN Co., Ltd

**Anthracite,
Silica Sand
and
Gravel Sub-
fill
all mix**

Backwash Flow



50-100% Side Shell Freeboard for Expansion During Backwash

Backwash Flow