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COMPARISON

<u>Sand / Multi Media</u>	vs.	<u>ORIVAL</u>
1. Flow must be reversed to clean media.		Use only partial flow for the rinse cycle with little or no interruption of flow to the process.
2. Backwash of the entire media surface providing weak backwash.		Very aggressive spot backwash provides strong suction effect.
3. Extended backwash – takes minutes, sometimes hours.		Short backwash cycle – takes 3 –15 seconds.
4. Backwashing must be initiated manually.		Filter automatically backwashes upon sensing the proper pressure differential.
5. Media must be changed periodically.		Periodic replacement of filter screens not required.
6. When changing the media, damage is caused to filter components, resulting in high media costs, replacement parts cost, and labor cost.		Filter screen can be changed in minutes, and only if change in conditions necessitates.
7. Large units require large surface area to gpm ratio.		Compact units, much lower surface area to gpm ratio.
8. Gravity effect on filter – can only be installed in one position.		Can be installed in any position – even upside down.
9. Subject to channeling- liquid will follow the path of least resistance, resulting in unfiltered water passing through system.		Not applicable.
10. Collapse of media support results in media being carried to process.		Not applicable.