

COMPARISON OF MEMBRANE PROCESSES

Process	← RO →	← NF →	← UF →	← MF →	← CF →	
Examples of Common Constituents In Water	Metal Ions	Sugar	Pyrogen Colloidal Silica	Virus Carbon Fines	Bacteria	
Approx. Molecular Weight Cut-Off*	100	200	20,000	100,000	500,000	
Microns	0.0001	0.001	0.01	0.1	1.0	10.0

RO: Reverse Osmosis

NF: Nanofiltration

UF: Ultrafiltration

MF: Microfiltration

CF: Conventional Filtration

* Used for sizing organics

