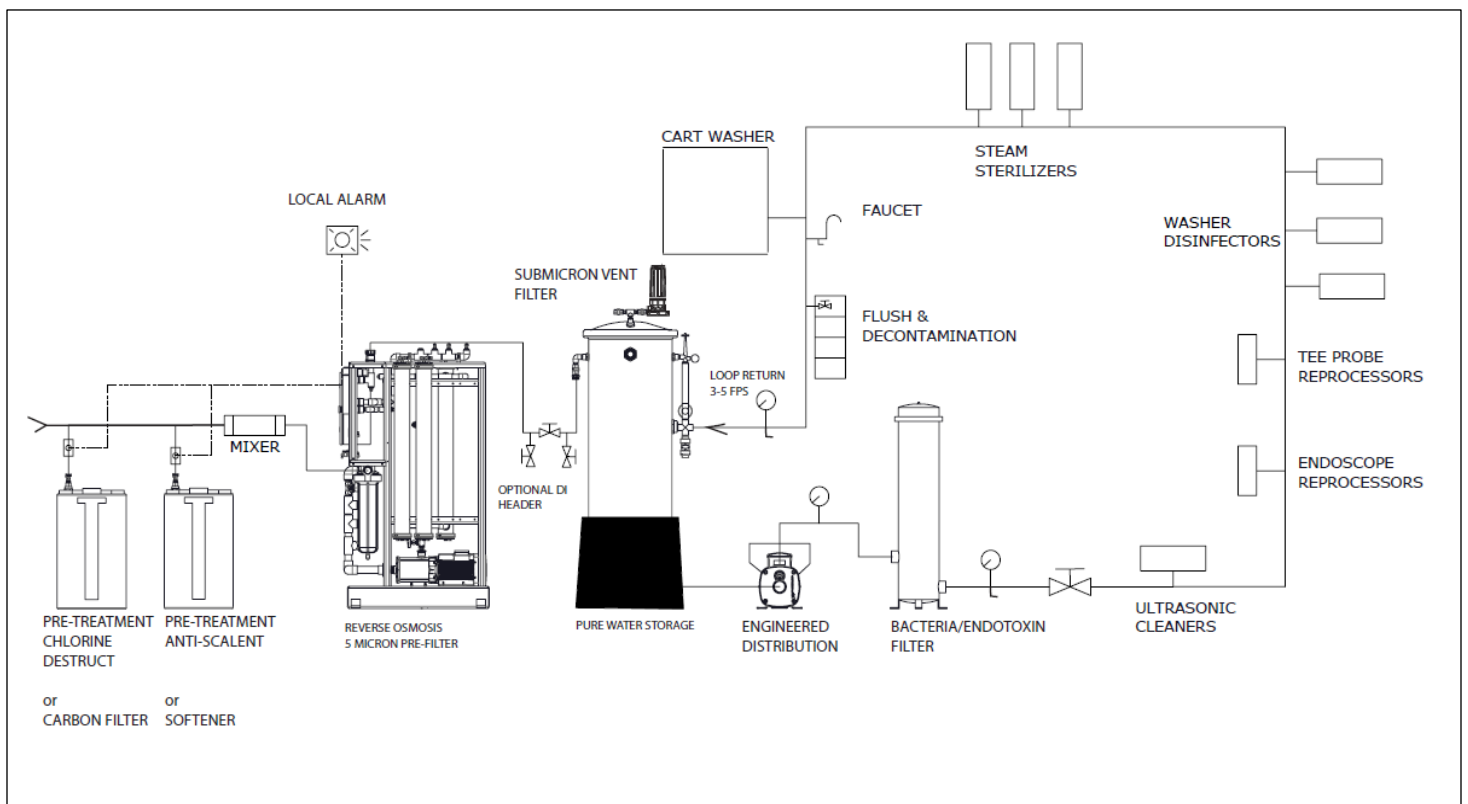




# SPD WATER TREATMENT SURVEY



This drawing represents a SPD water treatment system That meets AAMI TIR34 guidelines.  
This drawing can be used as a comparison design for  
this survey of an SPD water treatment system.

<b>EQUIPMENT LIST:</b>					
<b>Pretreatment</b>					
Chlorine removal:	<input type="checkbox"/> Carbon Filter	<input type="checkbox"/> Chemical			
Hardness removal:	<input type="checkbox"/> Water Softener	<input type="checkbox"/> Anti-scalant			
Sediment removal:	<input type="checkbox"/> Sediment	<input type="checkbox"/> Micron rating			
MAIN TREATMENT:	<input type="checkbox"/> Deionizer Exchange	<input type="checkbox"/> Reverse Osmosis			
(< 7 TDS < 10 uS) _____ GPD _____ TDS _____ uS/cm _____ GPM product Flow					
Product Divert on poor quality?	<input type="checkbox"/> Y	<input type="checkbox"/> N			
Water System Alarm: Can it be heard in SPD area?	<input type="checkbox"/> Y	<input type="checkbox"/> N			
<b>STORAGE TANK</b> _____ gallons					
Cone Bottom	<input type="checkbox"/> y	<input type="checkbox"/> n			
Vent Filter	<input type="checkbox"/> y	<input type="checkbox"/> n			
Vent filter annually replaced	<input type="checkbox"/> y	<input type="checkbox"/> n			
Recirculation Loop	<input type="checkbox"/> Y	<input type="checkbox"/> N			
Loop return flow meter	<input type="checkbox"/> Y	<input type="checkbox"/> N			
<b>NOTE: RECIRCULATION LOOP VELOCITY IS IMPORTANT!</b>					
Loop Size (in.)		Minimum Flow (GPM)			
<input type="checkbox"/> 1/2"		2			
<input type="checkbox"/> 3/4"		3.5			
<input type="checkbox"/> 1"		6			
<input type="checkbox"/> 1 1/4"		11.5			
<input type="checkbox"/> 1 1/2"		16			
Internal Return Tank Spray Down	<input type="checkbox"/> Y	<input type="checkbox"/> N			
Distribution Pump(s):	<input type="checkbox"/> Stainless Steel	<input type="checkbox"/> Cast Iron			
Final filter before SPD equipment	<input type="checkbox"/> Y	<input type="checkbox"/> N			
Micron rating _____	<input type="checkbox"/> Validated for bacteria and endotoxin removal.				

<b>STEAM SUPPLY for STEAM STERILIZATION:</b>	Plant <input type="checkbox"/> Steam	Local steam generator <input type="checkbox"/>	Water Supply _____
Instrument Packs:	<input type="checkbox"/> Black Surface Deposits	<input type="checkbox"/> Instrument Corrosion	
	<input type="checkbox"/> Wet	<input type="checkbox"/> Instrument spotting/staining	
Washer Disinfectors:	<input type="checkbox"/> Windows with deposits	<input type="checkbox"/> Internals with deposits	
	<input type="checkbox"/> Poor instrument rinsing		

<b>MAINTENANCE:</b>			
Is a daily log of water treatment system used?	<input type="checkbox"/> Y	<input type="checkbox"/> N	
Does water softener brine tank have salt?	<input type="checkbox"/> Y	<input type="checkbox"/> N	
When was carbon filter bed replaced?	_____/_____/_____		
If using chemical pretreatment, do chem tanks have chemicals?	<input type="checkbox"/> Y	<input type="checkbox"/> N	
Is water treatment area clean and organized?	<input type="checkbox"/> Y	<input type="checkbox"/> N	