

UF PROCESS DESIGN QUESTIONNAIRE

Customer Name: _____
 End User Name (optional): _____
 Project Name: _____
 Expected Date of Module Delivery (month & year) _____
 Expected Date of Commissioning (month & year) _____

System Design:

Model of Module (if known) _____
 Available Feed Flow (specify m³/h or gpm) _____
 Required Permeate Flow per skid (specify m³/h or gpm) _____
 Number of Skids Working: _____ Standby: _____
 Operation Time (specify hours/day) _____
 Required Recovery Rate % _____
 Pretreatment (i.e. sandfilter, flocculants, etc.) _____
 Specify coagulant dosage, if any (mg/L) _____

Feed Water Characteristics:

Feed Water Source:	_____	TOC (mg/L)	_____
pH Range	_____	COD (mg/L)	_____
Min. Temperature (°C or °F)	_____	BOD (mg/L)	_____
Max. Temperature (°C or °F)	_____	Iron Content (mg/L)	_____
Turbidity (NTU)	_____	Heavy Metals (mg/L)	_____
Conductivity (µS/cm)	_____	Solvents (mg/L)	_____
TSS (mg/L)	_____	Hardness (mg/L)	_____
FOG Free (mg/L)	_____	Alkalinity mg/L (CaCO ₃)	_____
FOG Emulsified (mg/L)	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

UF Effluent Quality Requirement:

Turbidity (NTU)	_____	Iron Content (mg/L)	_____
TSS (mg/L)	_____	Manganese Content (mg/L)	_____
TOC (mg/L)	_____	SDI	_____
BOD (mg/L)	_____	_____	_____
COD (mg/L)	_____	_____	_____
FOG Emulsified (mg/L)	_____	_____	_____

UF Permeate Use (i.e. pretreatment before RO, removal of bacteria or colloids, etc.):

Can permeate production be paused during backflush? _____

Other Information (i.e. is the design flux, number of filtration lines, or space/footprint of the plant limited by the tender? Does the plant require the entire system to remain at 100% capacity even if one filtration line is offline for maintenance?)

