

TUBULAR & CAPILLARY UF & MF PROCESS QUESTIONNAIRE

Customer Name: _____

Customer Type: System Manufacturer Distributor End-User Research Institute

Project Name: _____

Project Type: New Installation
 If yes, is piloting requested? Yes No

Replacement of Existing Modules
 If yes, what module model (Manufacturer, Type): _____

1. What is the **target application**?

2. Are **regulatory certifications** required? Yes No
 If yes, please list the required certificates:

3. What is the estimated **hydraulic load**?

Average design flow rate: _____ m³/day

Operation time per day: _____ h/day

Hourly peak flow, Q_n, max: _____ m³/h

Maximum duration of peak flow: _____ hours

Any additional comments on system size (e.g. future developments, system expansion, etc.)?

4. What kind of **pretreatment** is used upstream of the membrane system (please explain)?

5. **Process feed water** source:

Operating Temperature Range	_____	(min) - _____	(max) °C
Operating pH Range	_____	(min) - _____	(max)
Cleaning Temperature Range	_____	(min) - _____	(max) °C
Cleaning pH Range	_____	(min) - _____	(max)
COD	_____	mg/L or ppm	
BOD ₅	_____	mg/L or ppm	
Total Suspended Solids (TSS)	_____	mg/L or ppm	
Fat / Oil / Grease (FOG)	_____	mg/L or ppm	
Salinity (TDS)	_____	mg/L or ppm	
Conductivity	_____	µS/cm	
_____	_____	_____	
_____	_____	_____	
_____	_____	_____	
_____	_____	_____	

6. Any additional comments on the **process feed water composition** (e.g. chemical analysis, solvents, particles, etc.)?

7. What is the required **permeate quality**?

pH	_____	
COD	_____	mg/L or ppm
BOD ₅	_____	mg/L or ppm
Total Suspended Solids (TSS)	_____	mg/L or ppm
Fat / Oil / Grease (FOG)	_____	mg/L or ppm
Salinity (TDS)	_____	mg/L or ppm
Conductivity	_____	µS/cm
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

8. What is the intended use of the permeate or concentrate (e.g. irrigation, reuse in production, etc.)?

- Permeate will feed into RO system Permeate will feed into NF or UF system
- Concentrate will be reused Concentrate will be disposed
- Other (please explain below):

9. More details / specifications:

- What volume of process feed water is available for a pilot test?

- Is the space / footprint for the filtration tanks fixed or limited by contract or local conditions?
 - Yes (Please include a diagram)
 - No footprint limitation

- Are there any redundancy issues? Does the hydraulic capacity of the entire system need to remain 100% even if one filtration line is offline, for example for maintenance purposes or system failure?
 - Yes, the minimum redundancy should be _____%

10. Other comments:
