

## 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: \_\_\_\_\_ m<sup>3</sup>/day

Operation time per day: \_\_\_\_\_ h/day

Hourly peak flow, Q<sub>h</sub>, max: \_\_\_\_\_ m<sup>3</sup>/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 <sub>5</sub>	_____	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	

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\_\_\_\_\_

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

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

pH	_____	
COD	_____	mg/L or ppm
BOD <sub>5</sub>	_____	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):

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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:

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