

58i114r1 – DTP Inlet Pressure

Ballot comments and responses

Group	Joint Committee on Drinking Water Treatment Units	total committee ballots sent:	32
		% committee ballots returned:	84%
		affirmative votes:	22
		negative votes:	5
		abstentions:	0
Public comment end	7/20/2025	% affirmative of total ballots sent:	69%
		% affirmative of total affirmative + negative ballots:	81%

Commenter name	Tedd Schneidewend	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a
Commenter company	Culligan International Company	Affirmative, Negative, Abstain	Negative	Type of comment ^a	ge
Subject, comment	More Details I do not have a problem with the proposed change, but parameters and what values can be adjusted should be specified more clearly so it is not left to interpretation				
Proposed change	<i>Example: Testing of the membrane in a surrogate system under more challenging conditions is acceptable, if requested by the supplier. This should be limited to lowering the pressure to between 40-49 psi +/- 3, increasing the TDS up to 1000 +/- 40 mg/L, or reducing the temperatures to 15-24 +/- 1°C.</i> Does not need to be exactly those values, but it would be good to have limited ranges for pressure, temperature, and TDS.				
Response to comment	Thank you for your vote and comment. The issue proponent has provided this response: "I agree that more specification is needed and have updated the wording as follows: Testing of the membrane in a surrogate system under more challenging conditions with the inlet pressure at 45 ± 3 psi is acceptable, if requested." Look for a revised (r2) ballot soon.				

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Commenter name	Tina Donda	Voter or Nonvoter	Nonvoter	Section, paragraph, figure, table, etc.	N/a
Commenter company	IAPMO	Affirmative, Negative, Abstain	Public comment	Type of comment ^a	ge
<u>Subject, comment</u>	<p><u>More specific language</u></p> <p>While I agree with the concept in principle, I would like for the language to be tidied up a bit and the issue paper expanded to not specify that only a membrane supplier is allowed to use this protocol.</p>				
Proposed change	<p>7.3.2.3 Required testing (membrane supplier)</p> <p>a) The membrane elements manufacturer shall be supplied by membrane elements for testing to open to atmosphere and for testing in a surrogate system. The surrogate system shall be a typical POU system and shall utilize an automatic shutoff valve and pressurized storage tank.</p> <p>b) The membrane elements in the surrogate system shall be tested in accordance with Section 6.8 to determine TDS reduction, recovery, and DPR. Testing of the membrane in a surrogate system under more challenging conditions (such as, but not limited to, inlet pressure at 45 psi) is acceptable, if requested by the supplier.</p>				
Response to comment	<p>Thank you for your public comment. The issue proponent has provided this response:</p> <p>"Section 7.3.1 DTP Overview states that this protocol describes the procedures whereby specific data generated by the testing of a membrane element in a surrogate system may be used for a candidate system. The terms "membrane supplier" and "candidate system" are used throughout 7.3 to describe the different protocol requirements. Updating the language to remove three instances of "supplier" from 7.3 and will also remove "by the supplier" for the r2 ballot."</p> <p>Look for a revised (r2) ballot soon.</p>				

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Commenter name	Rob Astle	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a
Commenter company	KX Technologies	Affirmative, Negative, Abstain	Negative	Type of comment ^a	Substantive
<u>Subject, comment</u>	<u>Alternative test conditions undefined</u> Same issue that others have rased, but I am curious - is the intent to allow a user to test at 45 psi or to specify a custom inlet pressure. I would think we would want to limit this to a specific inlet pressure?				
Proposed change	NA				
Response to comment	Thank you for your vote and comment. The issue proponent has provided this response: "I agree that more specification is needed and have updated the wording as follows: Testing of the membrane in a surrogate system under more challenging conditions with the inlet pressure at 45 ± 3 psi is acceptable, if requested." Look for a revised (r2) ballot soon.				

Commenter name	Brook Hatton	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a
Commenter company	CSA Group	Affirmative, Negative, Abstain	Negative	Type of comment ^a	Substantive
<u>Subject, comment</u>	<u>Agree with initiative but address Tedd's and Tina's comments</u> I support the initiative but would like the language revised to adress the comments made by Tedd and Tina.				
Proposed change	NA				
Response to comment	Thank you for your vote and comment. The issue proponent has provided this response: "Section 7.3.1 DTP Overview states that this protocol describes the procedures whereby specific data generated by the testing of a membrane element in a surrogate system may be used for a candidate system. The terms "membrane supplier" and "candidate system" are used throughout 7.3 to describe the different protocol requirements. Updating the language to remove three instances of "supplier" from 7.3 and will also remove "by the supplier" for the r2 ballot. I agree that more specification is needed and have updated the wording as follows: Testing of the membrane in a surrogate system under more challenging conditions with the inlet pressure at 45 ± 3 psi is acceptable, if requested." Look for a revised (r2) ballot soon.				

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Commenter name	Andrew Lombardo	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a
Commenter company	KT Corporation	Affirmative, Negative, Abstain	Negative	Type of comment ^a	ge
<u>Subject</u> , comment	<u>Agree with other comments</u> I agree in principal but agree with Tina's comments on cleaning up the Language.				
Proposed change	NA				
Response to comment	Thank you for your vote and comment. The issue proponent has provided this response: "Section 7.3.1 DTP Overview states that this protocol describes the procedures whereby specific data generated by the testing of a membrane element in a surrogate system may be used for a candidate system. The terms "membrane supplier" and "candidate system" are used throughout 7.3 to describe the different protocol requirements. Updating the language to remove three instances of "supplier" from 7.3 and will also remove "by the supplier" for the r2 ballot." Look for a revised (r2) ballot soon.				

Commenter name	Hemang Patel	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a
Commenter company	Solventum	Affirmative, Negative, Abstain	Negative	Type of comment ^a	ge
<u>Subject</u> , comment	<u>Specify the conditions</u> Agree with Tedd. The language is broad and open to interpretations.				
Proposed change	Narrow the language to state "Testing of the membrane in a surrogate system under more challenging conditions of inlet pressure <50 psi is acceptable, if requested by the supplier."				
Response to comment	Thank you for your vote and comment. The issue proponent has provided this response: "I agree that more specification is needed and have updated the wording as follows: Testing of the membrane in a surrogate system under more challenging conditions with the inlet pressure at 45 ± 3 psi is acceptable, if requested." Look for a revised (r2) ballot soon.				

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Commenter name	Jun Kim	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a
Commenter company	Florida Polytechnic University	Affirmative, Negative, Abstain	Affirmative	Type of comment ^a	Substantive / te
<u>Subject, comment</u>	Minor editing Agree with other comments (narrowing the condition). In addition, another term (DPR) needs to be revised. Please find my suggestion below.				
Proposed change	The current (NSF58-2022) describes DPR as "direct potable reuse (DPR)," which is not accurate. Please change it to "daily production rate (DPR)" to represent the true meaning of the test parameter.				
Response to comment	Thank you for your vote and comments. The issue proponent has provided this response: "I agree that more specification is needed and have updated the wording as follows: Testing of the membrane in a surrogate system under more challenging conditions with the inlet pressure at 45 ± 3 psi is acceptable, if requested." Look for a revised (r2) ballot soon. Regarding your second comment, the definition of DPR was corrected to daily production rate in the 2023 edition of NSF/ANSI 58. 😊				

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Commenter name	France Lemieux	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a
Commenter company	Health Canada	Affirmative, Negative, Abstain	Affirmative	Type of comment ^a	Substantive / te
<u>Subject</u> , comment	Editorial comment I agree with Tina and other regarding edits to the language to clarify /specify conditions.				
Proposed change	NA				
Response to comment	Thank you for your vote and comments. The issue proponent has provided this response: "Section 7.3.1 DTP Overview states that this protocol describes the procedures whereby specific data generated by the testing of a membrane element in a surrogate system may be used for a candidate system. The terms "membrane supplier" and "candidate system" are used throughout 7.3 to describe the different protocol requirements. Updating the language to remove three instances of "supplier" from 7.3 and will also remove "by the supplier" for the r2 ballot. I agree that more specification is needed and have updated the wording as follows: Testing of the membrane in a surrogate system under more challenging conditions with the inlet pressure at 45 ± 3 psi is acceptable, if requested." Look for a revised (r2) ballot soon.				

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Commenter name	Tom Palkon	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a
Commenter company	IAPMO	Affirmative, Negative, Abstain	Affirmative	Type of comment ^a	Substantive / te
Subject, comment	Friendly modification See the comments from Tina Donda. I'm in favor of this ballot with Tina's friendly modifications.				
Proposed change	NA				
Response to comment	Thank you for your vote and comments. The issue proponent has provided this response: Section 7.3.1 DTP Overview states that this protocol describes the procedures whereby specific data generated by the testing of a membrane element in a surrogate system may be used for a candidate system. The terms "membrane supplier" and "candidate system" are used throughout 7.3 to describe the different protocol requirements. Updating the language to remove three instances of "supplier" from 7.3 and will also remove "by the supplier" for the r2 ballot. Look for a revised (r2) ballot soon.				

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