

H. Quality Assurance Terms

VONTRON' s RO membrane elements shall be used according to the specifications and procedures set forth by Vontron Technology Co., Ltd. (hereinafter referred to "Vontron"), and only on this condition will Vontron ensure the quality of RO membrane elements manufactured and sold by itself, and offer a one-year period of limited quality guarantee, with the terms specified as follows:

I. Guarantee on Producing Technologies and Materials

Vontron ensures that the RO membrane elements it produces and sells are integral and intact in respect of producing technologies and materials. Vontron' s obligation under this limited warranty covers a period of 12 month from the date received by the buyer, and is limited to the gratis repair or, at Vontron' s discretion, replacement of any element which, when examined by Vontron, appears to be originally defective under this provision of limited warranty.

II. Guarantee on Performance

1、 The new membrane products have the initial performance specified in the brochure when operated or tested under the conditions specified in same brochure.

2、 Vontron one-year warranty period commencing from the date when the RO system is put into operation or 6 months after the goods is shipped (whichever occurs first). During this one-year warranty period, Vontron warrants as follows:

2.1 Performance within the one-year warranty period:

2.1.1 The average salt permeability doesn' t exceed 2 times of the value specified in the sample book of products when the membrane element measured on the testing condition specified in the General Technical Specifications of Vontron.


2.1.2 The average permeate flow is not less than 70% of the initial permeate flow when the membrane elements are used or measured on the testing condition specified in the sample book of products provided by Vontron.



2.2 Initial Performance:

Vontron guarantees the initial minimum permeate flow and rejection rate as specified in the technical specifications. These parameters can be achieved under standard testing conditions set forth by Vontron. If these membrane elements fail to reach the minimum initial values as specified, Vontron will, after confirming the performance failure, repair the membrane elements or refund to customer the expenses for purchasing those defective membrane elements, in which case Vontron itself will bear the freight charges.

3. In case the buyer fails to satisfy any of the following requirements, Vontron will bear no liability for performing the three-year quality warranty mentioned above:



3.1 Feedwater turbidity shall not exceed 1.0NTU; SDI15 shall not exceed 5; feedwater temperature shall not be higher than 45°C .

3.2 Feedwater shall not contain any colloidal sulphur so as to prevent the membrane surface from containing any colloidal substances, microbes or other precipitants.

3.3 Feedwater shall not contain any harmful substance that may cause physical and chemical damage to the membrane element. The membrane shall be prevented from any damage caused by such harmful substances as surfactant, organic solvent, grease, polymer, etc.

3.4 Before being installed or put into operation, the membrane element shall be stored in original packing box and preserved at the temperature not higher than 45°C for dry-type membranes and at the temperature within 0~45°C for wet-type membranes.

3.5 The pH value of feedwater shall be within the range of 3~10 during regular running. When the system is cleaned, the pH value of feedwater shall be within 2~12.

3.6 The feedwater shall not contain such oxidizing substances as chlorine, potassium permanganate and hypochlorous acid radical, etc. (Notes: This article is not applicable to HOR series which shall work with the feedwater suitable for it).

3.7 The maximum operating pressure for membrane element is as follows (except otherwise specified in the product instructions):

Membrane Series	Max Operating Pressure
ULP Series	300 psi
HOR Series	300 psi
VNF Series	300 psi

3.8 Under any circumstances the backpressure exerted on the membrane element should not be greater than 5 psi.

3.9 Points for Attention during the Use of RO Elements:

- ① For recommended running conditions, please refer to the latest edition of technology manual and design guide prepared by Vontron Technology Co., Ltd., or consult experts proficient in membrane technology. In case the customer fails to follow the operating conditions as specified in this manual, Vontron technology Co., Ltd. will assume no liability for all results.
- ② 2)All membrane elements have been strictly tested before leaving the factory. The wet-type elements have been treated with the preservative solution made of RO-filtered water and 1.0% sodium hydrogen sulfite (an antifreeze solution of 10% propanediol is required in winter) for storage purpose, then sealed with plastic bag in vacuum (or in non-vacuum bag for dry-type element), and further packed in carton boxes. In order to prevent the breeding of microbes during short-time storage, transportation and system standby, we recommend you to soak the membrane elements with protective solution (prepared with RO-filtered water) containing 1.0% sodium hydrogen sulfite (foodstuff purpose).
- ③ 3)The RO-filtered water produced in the first hour of running shall be discarded.
- ④ During storage time and run time, it is strictly prohibited to dose any chemical medicament that may be harmful to membrane elements. In case of any violation in using this kind of chemical medicament, Vontron Technology Co., Ltd. assumes no liability for any outcome incurred herefrom.

I. Qualifications and Certifications

1. Certification of ISO9001



3. Certification of OHSAS18001

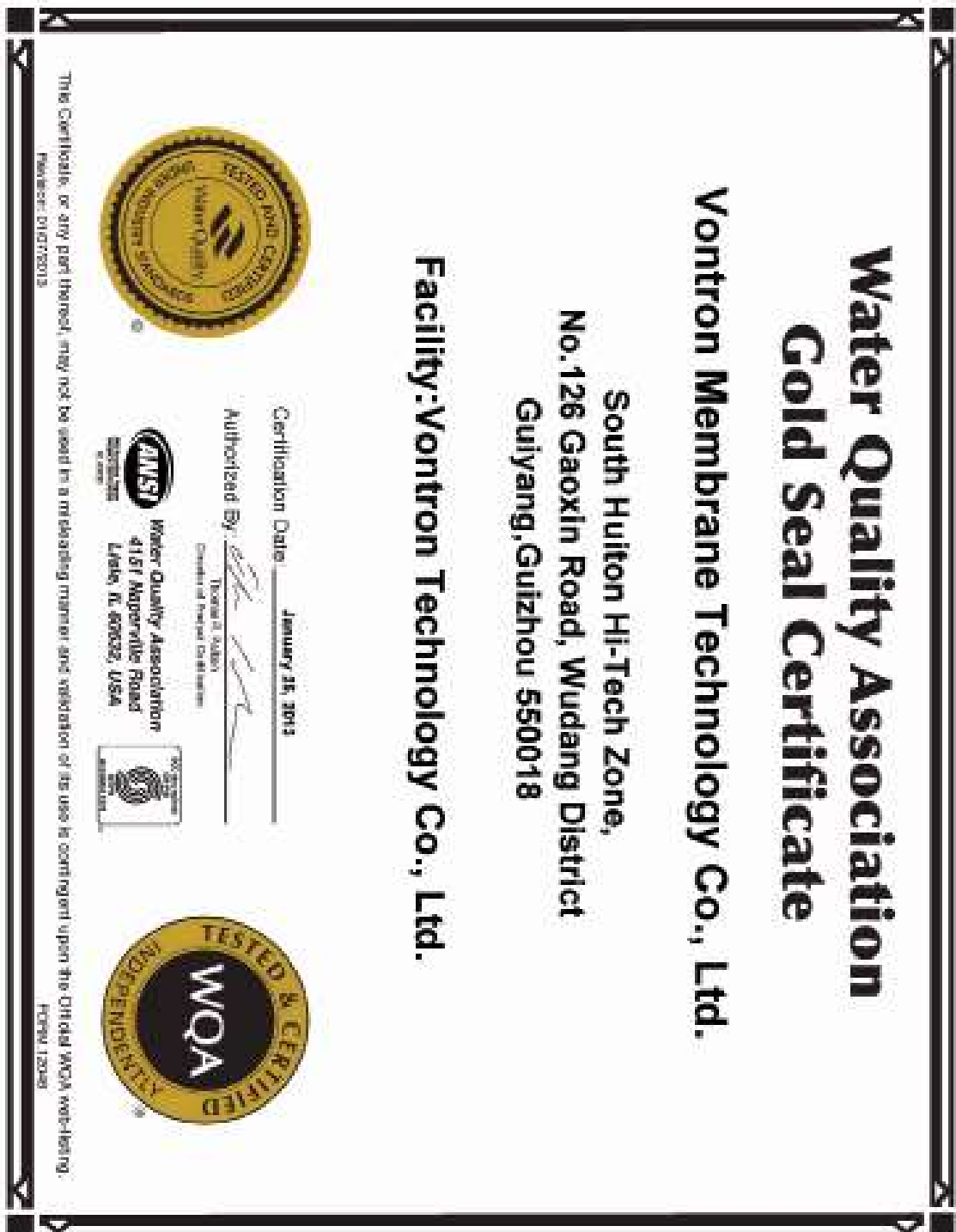


4. NSF/ANSI 58 认证

VONTRON' s residential element was Certified to NSF/ANSI 58 in August 2006.



6. WQA Gold Seal Certification



Water Quality Association Official Gold Seal Listing

Granted to the following Company:	Vontron Membrane Technology Co.,Ltd. South Huiton Hi-Tech Zone, No.126 Gaoxin Road, Wudang District Guiyang, Guizhou 550018
For the Facility Located at:	Vontron Technology Co.,Ltd. No. 126, Gaoxin Road South Hui Ton Hitec Industrial Zone Xintianzhai, Guizhou

The WQA Gold Seal Certification Department has issued certification for the following model(s) to the standard(s) below. Only models that appear in this official listing are authorized to bear the WQA Gold Seal.

NSF/ANSI 42 (02/29/2012): Drinking Water Treatment Units, Aesthetic Effects is within WQA's ANSI and SCC approved scope of accreditation Drinking Water Treatment Units Scheme

Vontron Technology Co.,Ltd. :VNF1-1812	Vontron Technology Co.,Ltd. :VNF1-2012
Vontron Technology Co.,Ltd. :VNF1-2540	Vontron Technology Co.,Ltd. :VNF1-4040
Vontron Technology Co.,Ltd. :VNF1-8040	Vontron Technology Co.,Ltd. :VNF2-1812
Vontron Technology Co.,Ltd. :VNF2-2012	Vontron Technology Co.,Ltd. :VNF2-2540
Vontron Technology Co.,Ltd. :VNF2-4040	Vontron Technology Co.,Ltd. :VNF2-8040

NSF/ANSI 58 (02/29/2012): Reverse Osmosis Drinking Water Treatment Systems is within WQA's ANSI and SCC approved scope of accreditation Drinking Water Treatment Units Scheme

Vontron: HOR2012	Vontron: ULP1810-40	Vontron: ULP1810-50
Vontron: ULP1812-24	Vontron: ULP1812-36	Vontron: ULP1812-50
Vontron: ULP1812-75	Vontron: ULP2012-100	Vontron: ULP2012-150
Vontron: ULP2812	Vontron: ULP3012	Vontron: ULP3020

NSF/ANSI 61 (06/10/2011): Drinking Water System Components-Health Effects is within WQA's ANSI and SCC approved scope of accreditation Drinking Water System Component Scheme

Vontron Technology Co.,Ltd. :FR11-4040	Vontron Technology Co.,Ltd. :FR11-8040
Vontron Technology Co.,Ltd. :HOR21-4040	Vontron Technology Co.,Ltd. :HOR21-8040
Vontron Technology Co.,Ltd. :LP21-4040	Vontron Technology Co.,Ltd. :LP21-8040

Vontron Technology Co.,Ltd. :LP22-8040	Vontron Technology Co.,Ltd. :SW11-2521
Vontron Technology Co.,Ltd. :SW11-2540	Vontron Technology Co.,Ltd. :SW11-4021
Vontron Technology Co.,Ltd. :SW21-4040	Vontron Technology Co.,Ltd. :SW21-8040
Vontron Technology Co.,Ltd. :SW22-8040	Vontron Technology Co.,Ltd. :ULP11-4021
Vontron Technology Co.,Ltd. :ULP11-4040	Vontron Technology Co.,Ltd. :ULP12-8040
Vontron Technology Co.,Ltd. :ULP21-2521	Vontron Technology Co.,Ltd. :ULP21-2540
Vontron Technology Co.,Ltd. :ULP21-4021	Vontron Technology Co.,Ltd. :ULP21-4040
Vontron Technology Co.,Ltd. :ULP21-8040	Vontron Technology Co.,Ltd. :ULP22-8040
Vontron Technology Co.,Ltd. :ULP31-4021	Vontron Technology Co.,Ltd. :ULP31-4040
Vontron Technology Co.,Ltd. :ULP32-8040	Vontron Technology Co.,Ltd. :XLP11-4040

Notice: To request any changes to the certified mode(s), please request a Change to Certified Product (CCP) form. Examples include any change to the wetted parts or formulations such as supplier or material types, literature, or a change in company name. This list is not all inclusive. Failure to submit documentation regarding changes may result in non-compliance with the standard(s) as well as de-listing of the affected models.

NSF International

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RECOGNIZES

Vontron Membrane Technology Co., Ltd.

China

AS COMPETING WITH NSF/ANSI® AND ALL APPLICABLE REQUIREMENTS,
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
AUTHORIZED TO BEAR THE NSF MARK.



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January 5, 2015
Certificate 18779-02

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