

# HID™ Commercial Membranes

HID™ Commercial Membrane ranks the best brands in China among RO membrane industry. It has won the trust of numerous clients for feeding the reliable purified water over 10 years. Each membrane is made of HID developed & pre-examined sheet and goes through stringent making processes as well as in-house quality inspection & testing before delivery.

HID Membrane has been certified by SGS & China Jiangsu Sanitation Bureau wrt drinking water membrane elements.

- ✓ HID high rejection quality sheet;
- ✓ Long service life for reducing the cost;
- ✓ Sanitary qualified elements;
- ✓ Stringent in-house inspection & testing control.

**Main Features**

## Performance Specifications

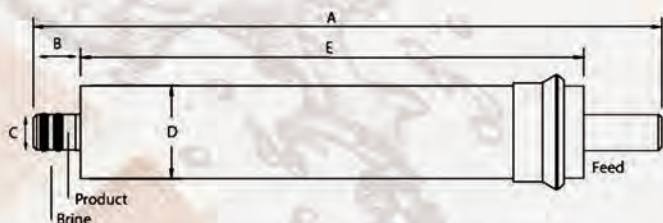
Model No.	Min. Salt Rejection (%)	Stabilized Salt Rejection (%)	Permeate Flow Rate (gpd)	Test Temp.	Test Pressure	Test Water TDS
TFC-3012-200	95	97	200	25°C	65psi	500ppm
TFC-3012-300	95	97	300	25°C	65psi	500ppm
TFC-3012-400	95	97	400	25°C	80psi	500ppm
TFC-3013-400	95	97	400	25°C	100psi	500ppm
TFC-3012-500	94	96	500	25°C	100psi	500ppm
TFC-3213-600	94	96	600	25°C	100psi	500ppm
TFC-3213-800	94	96	800	25°C	100psi	500ppm

1. Permeate flow rate and salt rejection is based on testing conditions: 25°C, PH 7.5, 20% recovery.
2. Stabilized salt rejection is generally achieved within 24-48 hours of continuous use, depending upon feedwater characteristics and operating conditions.

## Operating Limits

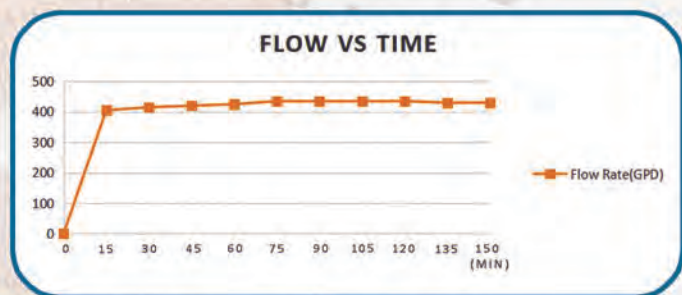
Model No.	Maximum Operating Temperature	Maximum Operating Pressure	Feed Water PH Range, continuous operation	Maximum Feed Water Turbidity	Maximum Feed Water SDI	Chlorine Tolerance
TFC-3012-200	45°C	200psi	4-11	1NTU	5	<0.1ppm
TFC-3012-300	45°C	200psi	4-11	1NTU	5	<0.1ppm
TFC-3012-400	45°C	200psi	4-11	1NTU	5	<0.1ppm
TFC-3013-400	45°C	200psi	4-11	1NTU	5	<0.1ppm
TFC-3012-500	45°C	200psi	4-11	1NTU	5	<0.1ppm
TFC-3213-600	45°C	200psi	4-11	1NTU	5	<0.1ppm
TFC-3213-800	45°C	200psi	4-11	1NTU	5	<0.1ppm

## Membrane Dimensions

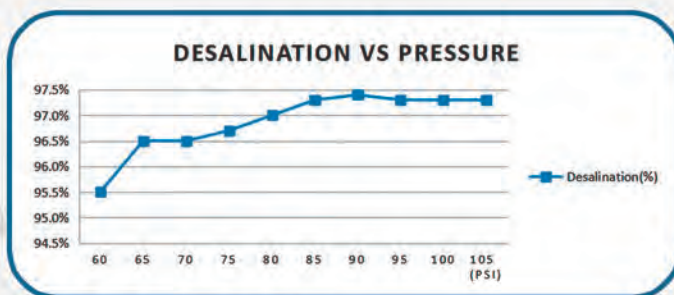


Model No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
TFC-3012-200	298	20	16.8	67	257
TFC-3012-300	298	20	16.8	72	257
TFC-3012-400	298	20	16.8	72	257
TFC-3013-400	330	19	16.8	68	300
TFC-3012-500	298	20	16.8	72	257
TFC-3213-600	330	19	16.8	76	300
TFC-3213-800	330	19	16.8	78	300

## Start-up Data of Model TFC-3013-400GPD



(test temp. 25°C; pressure at 100psi; TDS at 500ppm)



(test temp. 25°C; TDS at 500ppm)

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# HID™ Industrial Membranes – 4040 Series

HID™ Industrial Membrane ranks the best brands in China among TFC RO membrane industry. Each membrane is made of HID™ Brand high quality sheet and goes through stringent manufacturing processes as well as in-house quality inspection & testing before delivery.

4040 series RO membranes are widely used for filtration of tap water, underground water & brackish water; we well serve the industries including commercial drinking / food water treatment, electronics & chemical works, power plant, etc.

- ✓ HID™ anti-fouling & high rejection flat sheet (film);
- ✓ High stabilized rejection with realized nominal flux;
- ✓ Stringent in-house inspection & testing control.
- ✓ Lower energy costs (low pressure models) and higher productivity;
- ✓ Minimize system CAPEX with HID™ RO membrane excellent performance-price ratio;

**Main Features**

## Performance Specifications

Model No.	Feed Spacer thickness (mil)	Min. Salt Rejection (%)	Stabilized Salt Rejection (%)	Permeate Flow Rate (gpd)	Test Pressure (psi)	Test water TDS (ppm)
XLP24-4040	28	97.5	98	2300	100	750
ULP26-4040	28	98.3	99	2200	150	1500
LP26-4040	28	99	99.2	2200	225	1500

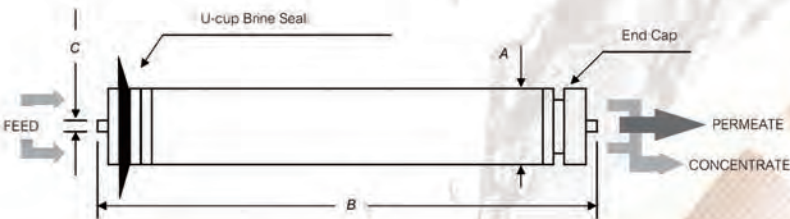
1. Permeate flow rate and salt rejection is based on testing conditions: 25°C, pH 7.5, 20% recovery.
2. Stabilized salt rejection is generally achieved within 24-48 hours of continuous use, depending upon feedwater characteristics and operating conditions.

## Operating Limits

Model No.	Maximum Operating Temperature	Maximum Operating Pressure	Feed Water PH Range, continuous operation *	Maximum Feed Water Turbidity	Maximum Feed Water SDI	Chlorine Tolerance
XLP24-4040	45°C	600psi	2-11	1NTU	5	<0.1ppm
ULP26-4040	45°C	600psi	2-11	1NTU	5	<0.1ppm
LP26-4040	45°C	600psi	2-11	1NTU	5	<0.1ppm

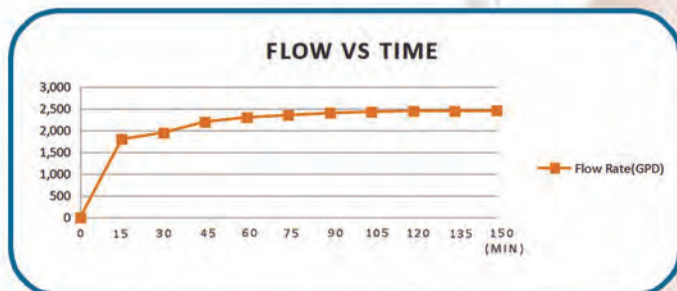
\* for short term cleaning (30 min.): 1-13.

## Membrane Dimensions

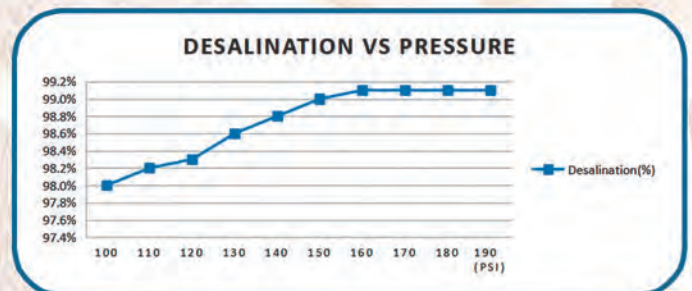


Model No.	A (inch/mm)	B (inch/mm)	C (inch/mm)
XLP24-4040	4.0/100.1	40/1016	0.75/19.1
ULP26-4040			
LP26-4040			

## Start-up Data of Model ULP26-4040



(test temp. 25°C; pressure at 150psi; TDS at 1500ppm)



(test temp. 25°C; TDS at 1500ppm)

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# HID™ Industrial Membranes – 8040 Series

HID™ Industrial Membrane ranks the best brands in China among TFC RO membrane industry. Each membrane is made of HID™ Brand high quality sheet and goes through stringent manufacturing processes as well as in-house quality inspection & testing before delivery.

8040 series RO membranes are widely used for filtration of tap water, underground water & brackish water; we well serve the industries including commercial drinking / food water treatment, electronics & chemical works, power plant, etc.

- ☑ HID™ anti-fouling & high rejection flat sheet (film);
- ☑ High stabilized rejection with realized nominal flux;
- ☑ Stringent in-house inspection & testing control.
- ☑ Lower energy costs (low pressure models) and higher productivity;
- ☑ Minimize system CAPEX with HID™ RO membrane excellent performance-price ratio;

**Main Features**

## Performance Specifications

Model No.	Feed Spacer Thickness (mil)	Min. Salt Rejection (%)	Stabilized Salt Rejection (%)	Permeate Flow Rate (gpd)	Test Pressure (psi)	Test water TDS (ppm)
ULP26-8040	28	98.5	99	11000	150	1500
LP26-8040	28	99	99.3	10500	225	1500

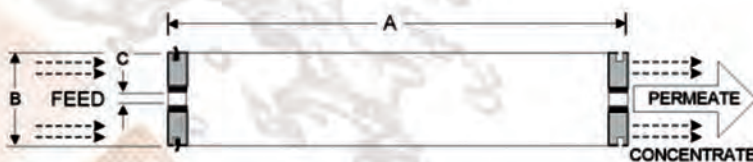
1. Permeate flow rate and salt rejection is based on testing conditions: 25°C, pH 7.5, 20% recovery.
2. Stabilized salt rejection is generally achieved within 24–48 hours of continuous use, depending upon feedwater characteristics and operating conditions.
3. Active area guaranteed +/- 3%.

## Operating Limits

Model No.	Maximum Operating Temperature	Maximum Operating Pressure	Feed Water PH Range, continuous operation *	Maximum Feed Water Turbidity	Maximum Feed Water SDI	Chlorine Tolerance
ULP26-8040	45°C	600psi	2–11	1NTU	5	<0.1ppm
LP26-8040	45°C	600psi	2–11	1NTU	5	<0.1ppm

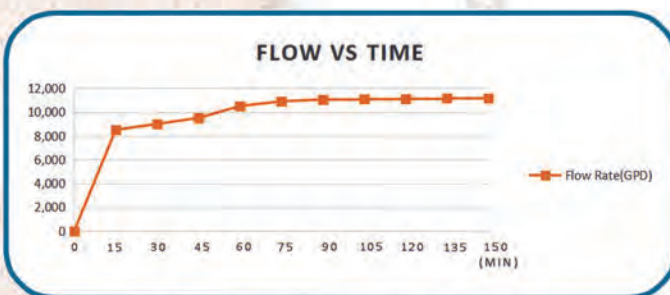
\* for short term cleaning (30 min.): 1–13.

## Membrane Dimensions

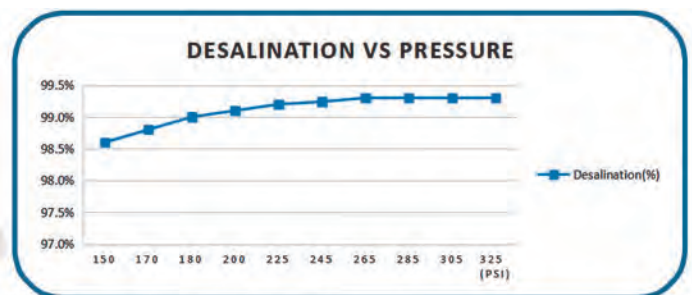


Model No.	A (inch/mm)	B (inch/mm)	C (inch/mm)
ULP26-8040	40/1016	8.0/203.2	1.125/28.6
LP26-8040	40/1016	8.0/203.2	1.125/28.6

## Start-up Data of Model LP26-8040



(test temp. 25°C; pressure at 225psi; TDS at 1500ppm)



(test temp. 25°C; TDS at 1500ppm)

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# HID™ Residential Membranes

HID™ Residential Membrane ranks the best brands in China among RO membrane industry. It has won the trust of thousands of families for feeding the reliable purified water over 10 years. Each membrane is made of HID developed & pre-examined sheet and goes through stringent making processes as well as in-house quality inspection & testing before delivery.

HID Membrane has been certified by SGS & China Jiangsu Sanitation Bureau wrt drinking water membrane elements.

- HID high rejection quality sheet;
- Long service life for reducing the cost;
- High stabilized rejection with realized nominal flux;
- Sanitary qualified elements;
- Sanitary qualified elements;



## Performance Specifications

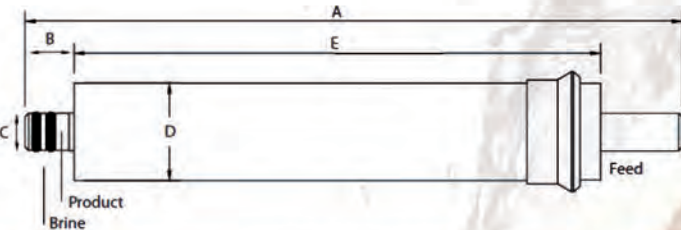
Model No.	Min. Salt Rejection (%)	Stabilized Salt Rejection (%)	Permeate Flow Rate (gpd)	Test Temp.	Test Pressure	Test Water TDS
TFC-1812-50	95	97	50	25°C	65psi	500ppm
TFC-1812-75	95	97	75	25°C	65psi	500ppm
TFC-2012-100	95	97	100	25°C	65psi	500ppm
TFC-2012-125	95	97	125	25°C	65psi	500ppm
TFC-2012-150	95	97	150	25°C	65psi	500ppm
TFC-2012-200	95	97	180	25°C	65psi	500ppm

1. Permeate flow rate and salt rejection is based on testing conditions: 25°C, PH 7.5, 20% recovery.
2. Stabilized salt rejection is generally achieved within 24-48 hours of continuous use, depending upon feedwater characteristics and operating conditions.

## Operating Limits

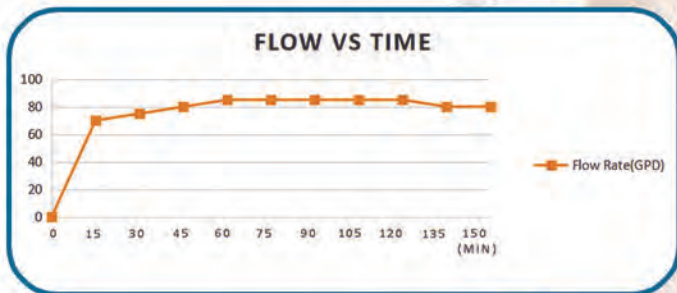
Model No.	Maximum Operating Temperature	Maximum Operating Pressure	Feed Water PH Range, continuous operation	Maximum Feed Water Turbidity	Maximum Feed Water SDI	Chlorine Tolerance
TFC-1812-50	45°C	200psi	4-11	1NTU	5	<0.1ppm
TFC-1812-75	45°C	200psi	4-11	1NTU	5	<0.1ppm
TFC-2012-100	45°C	200psi	4-11	1NTU	5	<0.1ppm
TFC-2012-125	45°C	200psi	4-11	1NTU	5	<0.1ppm
TFC-2012-150	45°C	200psi	4-11	1NTU	5	<0.1ppm
TFC-2012-200	45°C	200psi	4-11	1NTU	5	<0.1ppm

## Membrane Dimensions

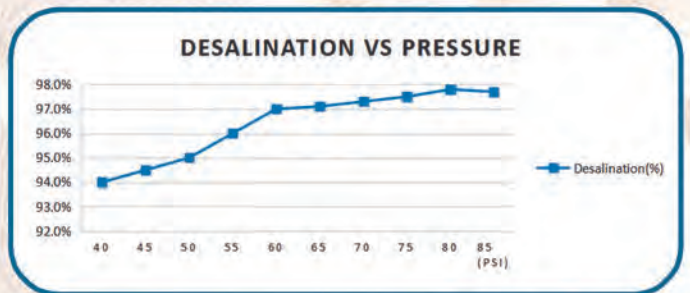


Model No.	A (inch/mm)	B (inch/mm)	C (inch/mm)	D (inch/mm)	E (inch/mm)
TFC-1812-50	11.7/298	0.78/20	0.66/16.8	1.73/44	10.2/258
TFC-1812-75	11.7/298	0.78/20	0.66/16.8	1.77/45	10.2/258
TFC-2012-100	11.7/298	0.78/20	0.66/16.8	1.85/47	10.4/258
TFC-2012-125	11.7/298	0.78/20	0.66/16.8	1.85/47	10.4/258
TFC-2012-150	11.7/298	0.78/20	0.66/16.8	1.9/48.5	10.4/258
TFC-2012-200	11.7/298	0.78/20	0.66/16.8	1.9/48	10.4/258

## Start-up Data of Model TFC-1812-75 GPD



(test temp. 25°C; pressure at 65psi; TDS at 500ppm)



(test temp. 25°C; TDS at 500ppm)

# HID™ RO Flat Sheet

Since 2014, HID has invested a full auto RO flat sheet production line. By the end of 2016, the second flat sheet line with updated design & automation has been in operation. HID quality flat sheet not only serve HID RO membrane, but to be supplied to customers worldwide!

HID RO flat sheet has been developed with various models making domestic & industrial RO membranes, working with tap water and brackish water.

With total 20,000 sqm daily output of HID RO flat sheets.

2014

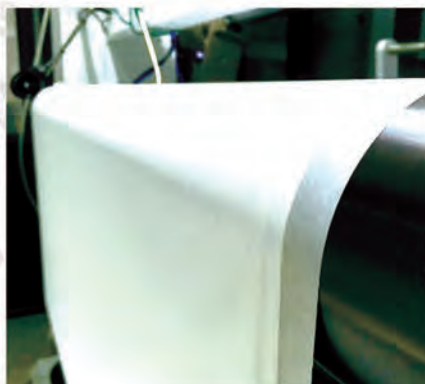
– First flat sheet line



2015

– Second flat sheet line

With site **100%** inspection and quality control, ensuring best performance of each inch.



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# HID™ RO Membrane Making Machinery

With 10 years RO membrane rolling, HID has developed its own machinery of the full production line, for making the RO membrane of right quality and with sound efficiency

Among the Chinese top RO membrane manufacturers, HID machinery offer you the “tailored” design to ensure the high performance and sound quality of membranes rolled out.

HID-JM3 RO rolling machine is developed by HID Membrane Co (HID) from market available machines and modified key control parts with servo motors so as to guarantee the machine operating stability & maneuverability during RO membrane rolling. The auto rolling machine with high efficiency, stable operation to produce higher quality ro membranes.



HSD-015 Manual rolling machine is of reliable performance and capable for various models RO membranes rolling. Auto gluing system is optional.



Model	Description	Power	Installation size(mm)
HID-JM3	Rolling of residential ro membrane (50G/75G/100G) with compact design and very high auto efficiency; 650-750 pcs/8hrs	3.5KW	2300*1350*1300

Model	Description	Power	Installation size(mm)
HSD-015	Rolling of residential/commercial /industrial ro membranes; 300-350pcs/8hrs for residential membranes.	0.75KW	2000*1300*1000

HID-QP sheet auto slitting machine offers auto feeding, auto measuring & auto slitting in one machine, with parameters setting via. PLC. The high accuracy results no wastage of sheets.



HID-2.0C Auto trimming machine is developed by HID to meet the high efficiency of RO membrane trimming. With simplified setting & operation, the machine shall automatically trim off the membrane ends without artificial adjustment. The machine is well accepted the market for its sound performance and low cost.



Model	Description	Power	Installation size(mm)
HID-QP	Flat sheet auto feeding & slitting with high accuracy & efficiency; with +/-1mm tolerance	1.1KW	2050*1750*1410

Model	Description	Power	Installation size(mm)
HID-2.0C	Auto trimming of residential ro membranes-50G/75G/100G/125G/150G /200G, 10-12pcs/minutes.	1.0KW	1300*980*1100

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# A ABOUT US

## 公司简介

镇江市惠灵顿膜业有限公司 是江苏省首家从事聚酰胺复合膜片及卷式反渗透 (RO) 膜元件研发、生产、推广的高新技术企业。作为中国膜元件一流生产商, 集合自身研发生产的高性能反渗透膜片优势, 使整个膜元件产品性能达到国际领先水平。

公司产品覆盖1.8英寸至8英寸生产直径, 12英寸至40英寸生产长度全系列膜元件, 产品广泛应用于超纯水、工艺纯水、冷却塔用水、锅炉供水、纯净水、遍及电子工业、光电工业、机械制造业、精细化工、医疗制药、食品饮料业、表面涂装……等多个行业。

公司自有物业, 生产基地位于江苏省镇江市, 占地面积六十余亩, 建筑面积五万平方米, 拥有年产量600万支以上的生产交付能力凭借强大的技术优势和制造能力, 以科技的创新不断研发升级产品, 以先进的管理严格控制成本, 为广大用户提供最具性价比膜元件产品以及完善的售后服务。公司以满腔的热诚, 卓越的产品期待与您合作!

HID Membrane Co., Ltd. (HID) is the first high-tech enterprise in Jiangsu Province of China that started research, manufacture and sales of composite polyamide flat sheet and rolled reverse osmosis (RO) membrane elements. Among the Chinese leading RO membrane manufacturers, as well as backed with the characteristically quality flat sheet developed by HID, we have well set our RO membranes at the international market frontier.

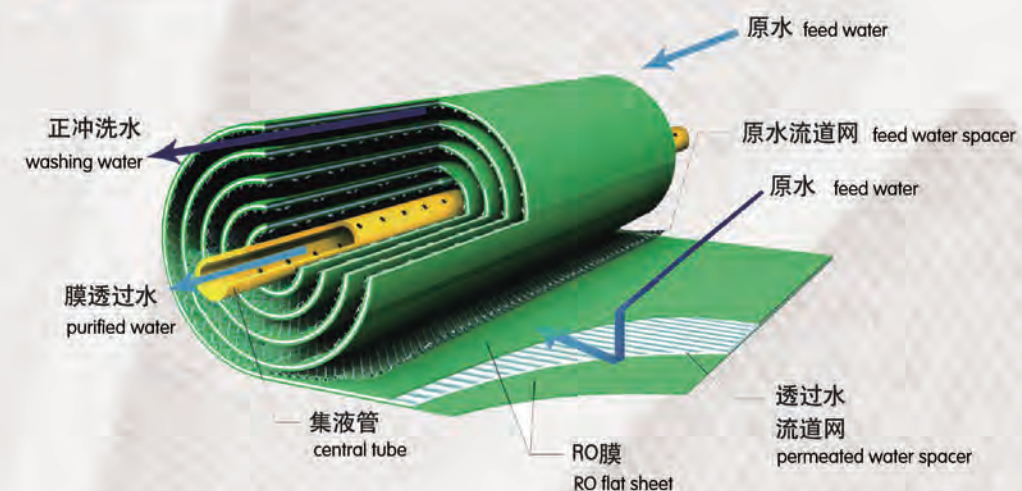
HID scope of supply covers RO membranes with diameter from 1.8" (inch) to 8" (inch) and length from 12" (inch) to 40" (inch), which have been widely used in areas such as ultra water purification, technical water purification, cooling tank water purification & boiler water purification involving industries of photo-electricity, machinery, fine chemistry, medicine & pharmacy, food & beverage, coating, etc.

Our manufacturing base is located in Zhenjiang city of Jiangsu Province (China), with land area over 40000 square meters and office & workshop area over 50000 square meters. With annual capacity of making 6 million pieces of RO membranes and technical research & innovation, as well as sound managerial efficiency & discipline, HID have been supplying the clients best option of cost vs. quality RO membranes and supportive services.

HID look forward to meeting worldwide partners on future opportunities with our sound products and sincerity!

# RO Membrane Operating Illustration

## 膜元件工作示意图



清新生活每一天.....  
FRESH LIFE EVERY DAY

始终致力于优质产品的制造、研发  
We are committed to the research, design and manufacture of quality products



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