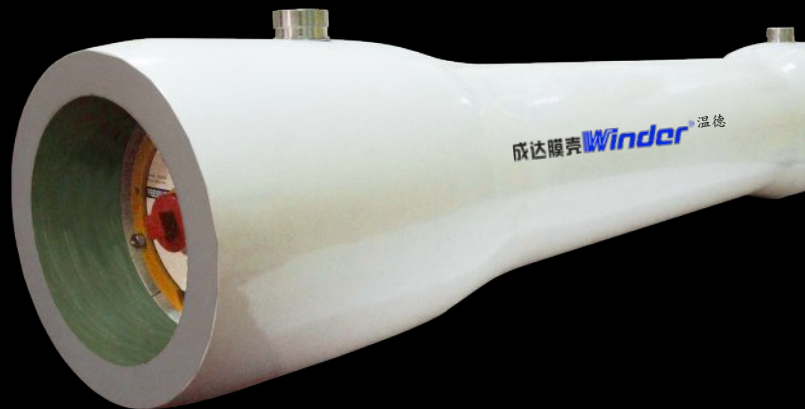


## W80S Series

Low pressure



High pressure



## Description

Low pressure W80S series FRP membrane housing 300 PSI/450PSI (1–7 elements).

High pressure W80S series FRP membrane housing 600PSI/1000 PSI/1200 PSI/1500 PSI/1800 PSI/2000 PSI (1–7 elements).

**Winder**® 温德 is certified by ASME, can stand more than 100,000 times of cyclic test & burst test with 6 times of its design pressure.

Applied to complex media and have been used in large & medium-sized projects at home and abroad since 2016.

# HEBEI CHENGDA HUAMO TECHNOLOGY CO., LTD.

成达华膜科技

成达膜壳 **Winder**® 温德

## Product Technology

Hebei ChengDa HuaMo Technology Co., Ltd. has established good cooperative relations with Shanghai Minipore Industrial Co., Ltd.

**Winder**® 温德 FRP RO membrane housing is a high quality, high-end series of products. Our company ranks among the top suppliers of FRP RO pressure vessels at home and abroad.

The company has its own R&D team and cooperates with Wuhan University of Technology. ChengDa adopts the most advanced winding equipment & technology for upscale products.

## Specification

	8" side port / low pressure	8" side port / high pressure
Model	W80S300/450PSI	W80S600/1000/1200/1500/1800/2000PSI
Design Pressure	300/450/600PSI	1000/1200/1500/1800/2000PSI
Cyclic Test	100,000 times	100,000 times
Burst Pressure	6 times	6 times
Elements Quantity	1-7	1-7
Operating pH Range	pH 3-11	pH 3-11
Operating Temperature	-10°C-66°C (14°F - 150°F)	-10°C-66°C (14°F - 150°F)
Feed/Concentration Port	1.5"/2"/2.5"/3"	1.5"/2"/2.5"/3"
Permeate Port	1"BSP	1"BSP



ISO 9001



ISO 14001



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## Hebei ChengDa HuaMo Technology Co., Ltd.

Contact: Mia Chen

E-mail: [sales02@winder1976.com](mailto:sales02@winder1976.com) / [sales06@winder1976.com](mailto:sales06@winder1976.com)

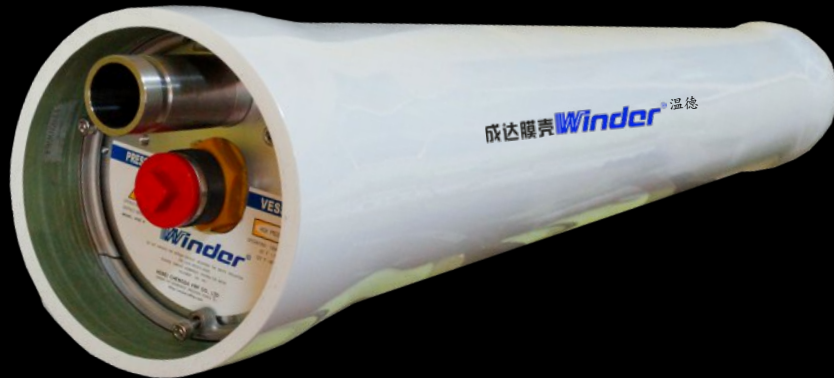
Mobile: +86-18832881267 (WhatsApp, WeChat)

Website: [www.winder1976.com](http://www.winder1976.com)

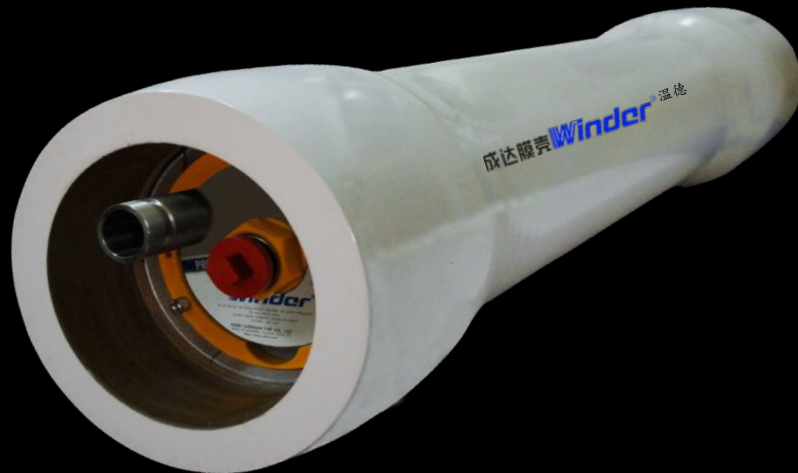
LinkedIn: [www.linkedin.com/company/chengdahuamo/mycompany](http://www.linkedin.com/company/chengdahuamo/mycompany)

## W80E Series

Low pressure



High pressure



## Description

Low pressure W80E series FRP membrane housing 300 PSI/450PSI(1-7 elements).

High pressure W80E series FRP membrane housing 600PSI/1000 PSI/1200 PSI/1500 PSI/1800 PSI/2000 PSI (1-7 elements).

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The company has its own R&D team and cooperates with Wuhan University of Technology. ChengDa adopts the most advanced winding equipment & technology for upscale products.

## Specification

	8" end port / low pressure	8" end port / high pressure
Model	W80E300/450PSI	W80E600/1000/1200/1500/1800/2000 PSI
Design Pressure	300/450PSI	600/1000/1200/1500/1800/2000 PSI
Cyclic Test	100,000 times	100,000 times
Burst Pressure	6 times	6 times
Elements Quantity	1-7	1-7
Operating pH Range	pH 3-11	pH 3-11
Operating Temperature	-10°C-66°C (14°F - 150°F)	-10°C-66°C (14°F - 150°F)
Feed/Concentration Port	1.5"	1.5"
Permeate Port	1"BSP	1"BSP



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Contact: Mia Chen

E-mail: sales02@winder1976.com / sales06@winder1976.com

Mobile: +86-18832881267 (WhatsApp, WeChat)

Website: www.winder1976.com

LinkedIn: www.linkedin.com/company/chengdahuamo/mycompany

## W40S Series

Low pressure



High pressure



## Description

Low pressure W40S series FRP membrane housing 300 PSI/450PSI (1–4 elements).

High pressure W40S series FRP membrane housing 600 PSI/1000 PSI/1200 PSI (1–4 elements).

**Winder**® is certified by ASME, can stand more than 100,000 times of cyclic test & burst test with 6 times of its design pressure.

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## Product Technology

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## Specification

	4" side port / low pressure	4" side port / high pressure
Model	W40S300/450PSI	W40S600/1000/1200PSI
Design Pressure	300/450PSI	600/1000/1200PSI
Cyclic Test	100,000 times	100,000 times
Burst Pressure	6 times	6 times
Elements Quantity	1-4	1-4
Operating pH Range	pH 3-11	pH 3-11
Operating Temperature	-10°C-66°C(14°F - 150°F)	-10°C-66°C(14°F - 150°F)
Feed/Concentration Port	1"	1"
Permeate Port	1/2"BSP	1/2"BSP



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E-mail: sales02@winder1976.com / sales06@winder1976.com

Mobile: +86-18832881267 (WhatsApp, WeChat)

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LinkedIn: www.linkedin.com/company/chengdahuamo/mycompany

## W25E Series

Low pressure



High pressure



## Description

Built-in membrane elements with size of 14"/21"/40".

Low pressure W25E series FRP membrane housing 300 PSI/450PSI.

High pressure W25E series FRP membrane housing 600 PSI/1000 PSI/1200 PSI.

**Winder**® 温德 is certified by ASME, can stand more than 100,000 times of cyclic test & burst test with 6 times of its design pressure.

Applied to complex media environment and have been used in large & medium-sized projects at home and abroad since 2016.

# HEBEI CHENGDA HUAMO TECHNOLOGY CO., LTD.

成达华膜科技

成达膜壳 **Winder**® 温德

## Product Technology

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## Specification

	2.5" end port / low pressure	2.5" end port / high pressure
Model	W25E300/450PSI	W25E600/1000/1200PSI
Design Pressure	300/450PSI	600/1000/1200PSI
Cyclic Test	100,000 times	100,000 times
Burst Pressure	6 times	6 times
Elements Quantity	2514, 2521, 2540	2514, 2521, 2540
Operating pH Range	pH 3-11	pH 3-11
Operating Temperature	-10°C-66°C(14°F - 150°F)	-10°C-66°C(14°F - 150°F)
Feed/Concentration Port	1/4"BSP	1/4"BSP
Permeate Port	1/4"BSP	1/4"BSP



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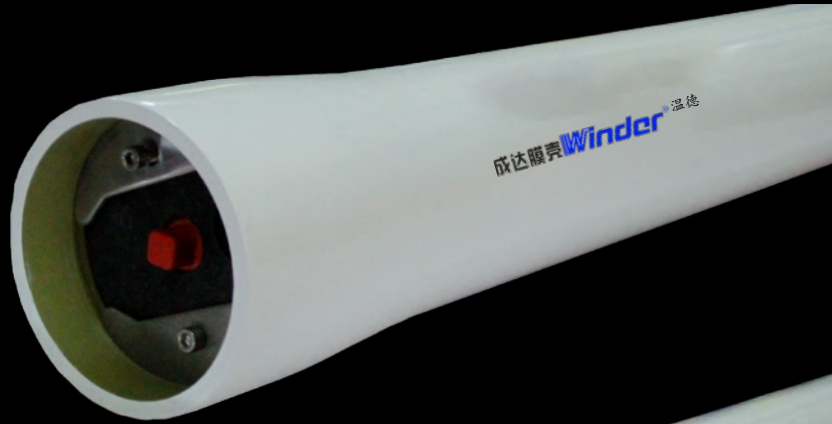
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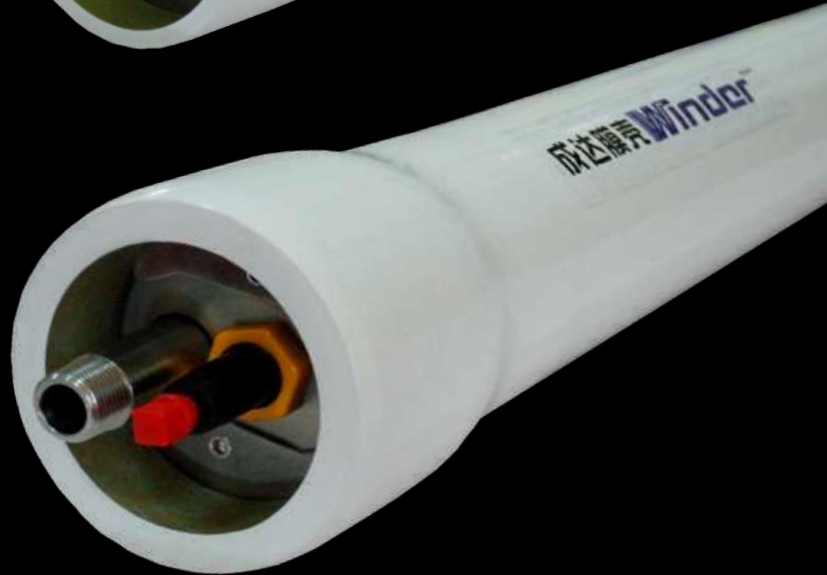


## W40E Series

Low pressure



High pressure



### Description

Low pressure W40E series FRP membrane housing 300 PSI/450PSI (1–4 elements).

High pressure W40E series FRP membrane housing 600 PSI/1000 PSI/1200 PSI (1–4 elements).

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Applied to complex media environment and have been used in large & medium-sized projects at home and abroad since 2016.

# HEBEI CHENGDA HUAMO TECHNOLOGY CO., LTD.

成达华膜科技

成达膜壳 *Winder*® 温德

## Product Technology

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The company has its own R&D team and cooperates with Wuhan University of Technology. ChengDa adopts the most advanced winding equipment & technology for upscale products.

## Specification

	4" end port / low pressure	4" end port / high pressure
Model	W40E300/450PSI	W40E600/1000/1200PSI
Design Pressure	300/450PSI	600/1000/1200PSI
Cyclic Test	100,000 times	100,000 times
Burst Pressure	6 times	6 times
Elements Quantity	1-4	1-4
Operating pH Range	pH 3-11	pH 3-11
Operating Temperature	-10°C-66°C(14°F - 150°F)	-10°C-66°C(14°F - 150°F)
Feed/Concentration Port	3/4"	3/4"
Permeate Port	1/2"BSP	1/2"BSP



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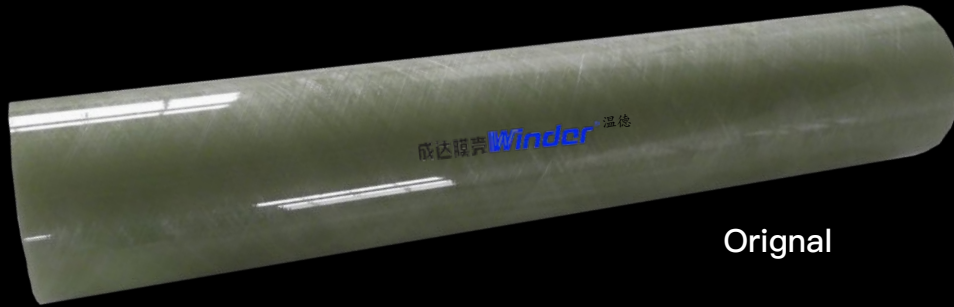
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Website: www.winder1976.com

LinkedIn: www.linkedin.com/company/chengdahuamo/mycompany

## DTRO Series



Original



Orange



White

## Description

DTRO-80 membrane housing pressure rate: 75, 90, 120, 150, 180, 200 bar.

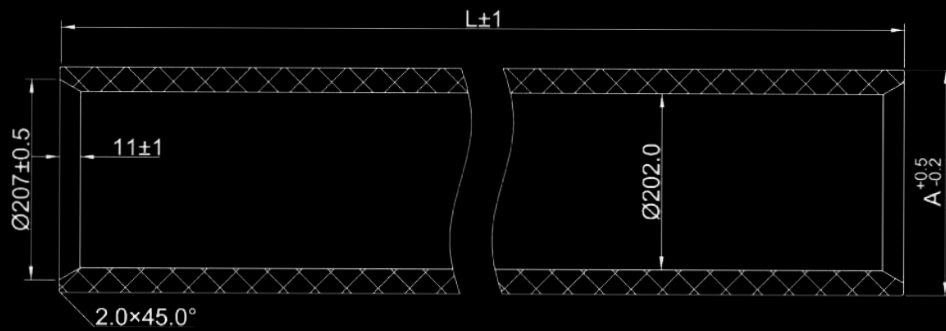
Length: 945/1000/1150/1200/1230/1430/2500/3000 mm or customized.

Color: original, white or customized.

**Winder**® 温德 is certified by ASME, can stand more than 100,000 times of cyclic test & burst test with 6 times of its design pressure.

Applied to complex media environment and have been used in large & medium-sized projects at home and abroad since 2016.

## Specification of DTRO-80 membrane housing



Size	7.5Mpa	9.0Mpa	12.0Mpa	15.0Mpa	20.0Mpa
A	216	220	226	234	242
L	945	1000	1150	1200	1250

Can be customized according to customer needs

## Project



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## High Flow Filter Housing ( Side/End Port )



## Tubular Membrane Housing



## Description

FRP precision filter is applied to PP melting & spraying filter cartridge with sizes of 20"/30"/40". Single-core high flow FRP filter housing is designed for high flow cartridge filters with sizes of 20", 40" and 60". Compared with stainless steel filter housing, it has better corrosion resistance, convenient dismantlement, reliable operation, optimized accessories design and quick replacement of filter. Besides, we have also developed tubular membrane housings and other products.

The products are widely used in the applications of water pretreatment in membrane treatment system, electronics, electric power, metallurgy, chemical industry, food, beverage, brackish water, seawater desalination and separation of landfill leachate.

## Product Technology

Hebei ChengDa HuaMo Technology Co., Ltd. has established good cooperative relations with Shanghai Minipore Industrial Co., Ltd. We have developed a series of high flow FRP filter housing, tubular membrane housing and FRP precision filter.

## Specification

Product	Model	Connection	Design Pressure	Membrane Length	Membrane QTY	(T/H)
FRP Precision Filter	WGL5-20	Side Port	150PSI	20"	5	5.0
	WGL5-30	Side Port	150PSI	30"	5	7.0
	WGL5-40	Side Port	150PSI	40"	5	10.0
High Flow FRP Filter Housing	W80E150-20	End Port	150PSI	20"	1	15-25
	W80E150-40	End Port	150PSI	40"	1	30-50
	W80E150-60	End Port	150PSI	60"	1	50-70
	W80S150-20	Side Port	150PSI	20"	1	15-25
	W80S150-40	Side Port	150PSI	40"	1	30-50
	W80S150-60	Side Port	150PSI	60"	1	50-70
Tubular Membrane Housing	4"/8"	Side Port	150PSI	3(4)m	-	-



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