

MEMBRANE HOUSING

DETAILED OVERVIEW FOR TYPE 'MHA-8-12'
LOW PRESSURE - 12 BAR

FOR NF AND RO FILTRATION



In the food and beverage industry membrane housings are often used in systems to reduce or eliminate microbials to make products safe for consumption and to extend their shelf life. We produce membrane housings for membrane filtration in the food industry for liquid-containing products such as juice, beer, soy, whey, milk, milk powder, chocolate etc.



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Introduction

This overview is for Membrane Housings with collaring connections manufactured by Wila A/S under the category "MHA" hereinafter referred to as "Membrane Housing". A Membrane Housing is a tubular pressure vessel with a single inlet (Feed) on the shell side, an unfiltered outlet (Retentate) on the shell side and a filtered outlet (Permeate) out from one of the end centers.

The membranes and ATD's, that are also required for the filtration process, are not a part of the membrane housing, but Wila's own hygienic, easy to CIP clean, stainless steel ATD's can also be supplied upon request.

The Membrane Housing is made from EN 1.4404 (AISI 316L) stainless steel with a sanitary surface finish in accordance with the 3A sanitary standard. The entire inside surface roughness is $\leq 0.8 \mu\text{m}$ and the outside surface roughness is $\leq 1.6 \mu\text{m}$. **All fluid media in use with the Membrane housing must be compatible with EN 1.4404 (AISI 316L) Stainless steel.**

The Membrane Housing is designed for pressures up to 12 bar and temperatures up to 70°C, but other types, sizes and pressure ratings are also available.

Regulations and Directives

The membrane housing is designed and manufactured in accordance with

- the European Commission regulation No. 2023/2006 (Good Manufacturing Practices)
- the European Parliament directive No. EN 1935/2004 (Food Contact Materials).
- the European Parliament directive No. EN 1907/2006 (Chemical Restrictions (REACH)).
- PED - Article 4.3 (SEP) in the European Parliament directive No. 2014/68/EU (Pressure Equipment Directive). The membrane housing is only designed for fluid group 2 (non-dangerous fluids).
- 3-A Sanitary Standards 00-01 / 45-03.

Documentation

1. Customer drawing with description and design data table
2. Declaration of conformity
3. User Manual

As Supplement the following can be provided:

4. 3.1 material certificates according to EN 10204
5. Weld-logs with associated welding certificates according to DS/EN ISO 9601-1.

Group specifications

Group ordering codes and specifications are as listed below. A more detailed group tables with unit codes and main dimensions can be found on the following pages.

MHA-8-12bar-X-element – Model _

MHA	Membrane Housing with collaring connections for Feed and Retentate with 3A certificate..	
8	The membrane housing is designed for 7.9" x 38" (8038) membranes.	
12bar	The Membrane Housing is designed for pressures up to 12 bar and temperatures up to 70°C	
X	From 1 to 6 elements	Indicates the number of elements that can be fitted.
_	Either A or C *	Indicates Feed and Retentate connection arrangement.

*Other connection arrangements are available

Unit specifications

MHA-8-12-X-YY-ZZ-_

X	From 1 to 6 elements	Indicates the number of elements that can be fitted.
YY	76 - 65 - 63 - 51 - 50 - 3.0 - 2.5 - 2.0***	Indicates Feed and Retentate collaring connections.
ZZ	38 - 25 - 40 - 26 - 1.5 - 1.0***	Indicates Permeate end clamp ferrule connection.
_	Either A or C *	Indicates Feed and Retentate connection arrangement.

*Other connection arrangements are available

**Clamp ferrule connections sizes - Other types and sizes are available

38 - 25	translates respectively to Ø38 - Ø25	in accordance with ISO 2852-2
40 - 26	translates respectively to DN40 - DN25	in accordance with DIN 32676-A
1.0 - 1.5	translates respectively to 1" - 1.5"	in accordance with DIN 32676-C

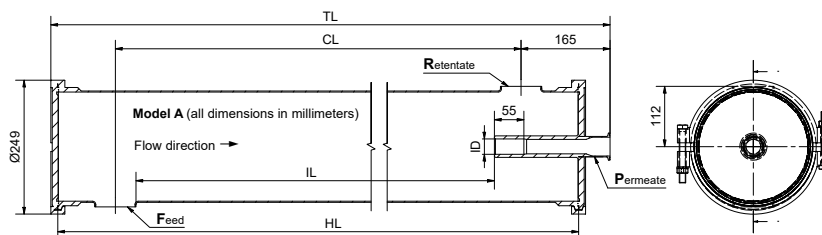
***Collaring connections sizes - Other sizes are available

76 - 63 - 51	translates respectively to Ø76 - Ø63.5 - Ø51
65 - 50	translates respectively to DN65 - DN50
3.0 - 2.5 - 2.0	translates respectively to 3" - 2.5" - 2"

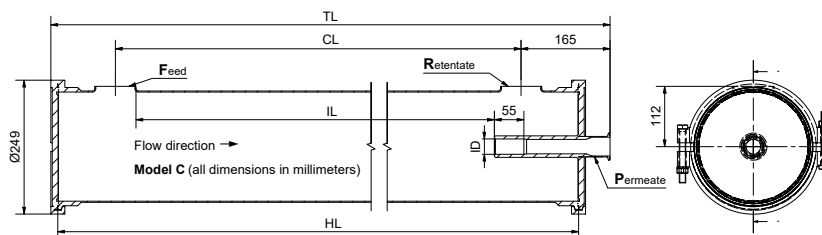
Connections

For Feed and Retentate only use weld ends with a minimum 2 mm wall thickness. Welds according 3-A Sanitary Standards 00-01 and inside welds ground to $\leq 0.8 \mu\text{m}$. For the Permeate connection an SH clamp is recommended, but always follow your fitting supplier guidelines and local legislations. The Membrane Housing should be installed with the Retentate outlet at the highest point for better air venting.

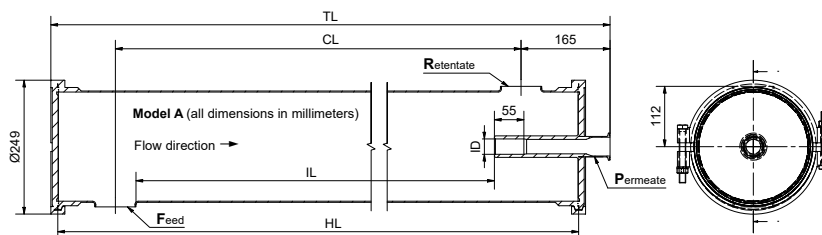
Temperature and pressure limits must be respected at all times !



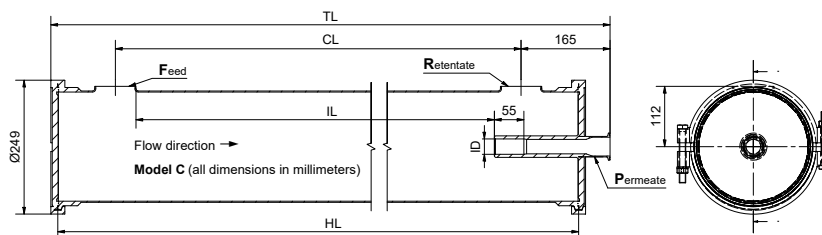
MHA-8-12bar-1-element - Model A		Element type 8038		Maximum pressure / Maximum temperature					
Stock number	Drawing number	Quantity	Permeate	12 barg / 70°C		Volume 41 liters		Dry weight 30 kg	
		7.9" dia.	ID	F&R	P	TL	HL	CL	IL
MHA-8-12-1-76-38-A	W-025336	1 x 38"	Ø28.9	Ø76	Ø38	1380	1309	1095	1007
MHA-8-12-1-63-38-A	W-025342	1 x 38"	Ø28.9	Ø63.5	Ø38	1380	1309	1095	1013
MHA-8-12-1-51-38-A	W-025348	1 x 38"	Ø28.9	Ø51	Ø38	1380	1309	1095	1019
MHA-8-12-1-65-38-A	W-025354	1 x 38"	Ø28.9	DN65	Ø38	1380	1309	1095	1010
MHA-8-12-1-50-38-A	W-025360	1 x 38"	Ø28.9	DN50	Ø38	1380	1309	1095	1018
MHA-8-12-1-76-25-A	W-025366	1 x 38"	Ø28.9	Ø76	Ø25	1380	1309	1095	1007
MHA-8-12-1-63-25-A	W-025372	1 x 38"	Ø28.9	Ø63.5	Ø25	1380	1309	1095	1013
MHA-8-12-1-51-25-A	W-025378	1 x 38"	Ø28.9	Ø51	Ø25	1380	1309	1095	1019
MHA-8-12-1-65-25-A	W-025384	1 x 38"	Ø28.9	DN65	Ø25	1380	1309	1095	1010
MHA-8-12-1-50-25-A	W-025390	1 x 38"	Ø28.9	DN50	Ø25	1380	1309	1095	1018
MHA-8-12-1-76-40-A	W-025396	1 x 38"	Ø28.9	Ø76	DN40	1380	1309	1095	1007
MHA-8-12-1-63-40-A	W-025402	1 x 38"	Ø28.9	Ø63.5	DN40	1380	1309	1095	1013
MHA-8-12-1-51-40-A	W-025408	1 x 38"	Ø28.9	Ø51	DN40	1380	1309	1095	1019
MHA-8-12-1-65-40-A	W-025414	1 x 38"	Ø28.9	DN65	DN40	1380	1309	1095	1010
MHA-8-12-1-50-40-A	W-025420	1 x 38"	Ø28.9	DN50	DN40	1380	1309	1095	1018
MHA-8-12-1-76-26-A	W-025426	1 x 38"	Ø28.9	Ø76	DN25	1380	1309	1095	1007
MHA-8-12-1-63-26-A	W-025432	1 x 38"	Ø28.9	Ø63.5	DN25	1380	1309	1095	1013
MHA-8-12-1-51-26-A	W-025438	1 x 38"	Ø28.9	Ø51	DN25	1380	1309	1095	1019
MHA-8-12-1-65-26-A	W-025444	1 x 38"	Ø28.9	DN65	DN25	1380	1309	1095	1010
MHA-8-12-1-50-26-A	W-025450	1 x 38"	Ø28.9	DN50	DN25	1380	1309	1095	1018
MHA-8-12-1-3.0-1.5A	W-028832	1 x 38"	Ø28.9	3.0"	1.5"	1380	1309	1095	1007
MHA-8-12-1-2.5-1.5A	W-028838	1 x 38"	Ø28.9	2.5"	1.5"	1380	1309	1095	1013
MHA-8-12-1-2.0-1.5A	W-028844	1 x 38"	Ø28.9	2.0"	1.5"	1380	1309	1095	1019
MHA-8-12-1-3.0-1.0A	W-028850	1 x 38"	Ø28.9	3.0"	1.0"	1380	1309	1095	1007
MHA-8-12-1-2.5-1.0A	W-028856	1 x 38"	Ø28.9	2.5"	1.0"	1380	1309	1095	1013
MHA-8-12-1-2.0-1.0A	W-028862	1 x 38"	Ø28.9	2.0"	1.0"	1380	1309	1095	1019



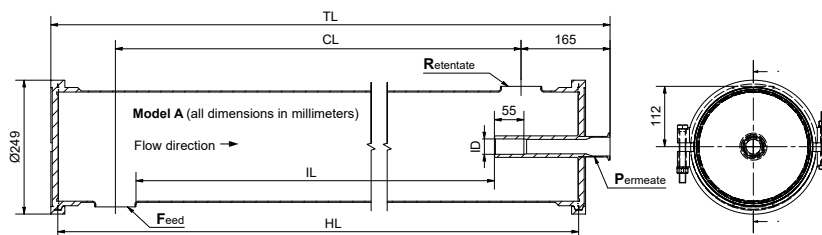
MHA-8-12bar-1-element - Model C		Element type 8038		Maximum pressure / Maximum temperature					
Stock number	Drawing number	Quantity	Permeate	12 barg / 70°C		Volume 41 liters		Dry weight 30 kg	
		7.9" dia.	ID	F&R	P	TL	HL	CL	IL
MHA-8-12-1-76-38-C	W-025456	1 x 38"	Ø28.9	Ø76	Ø38	1380	1309	1095	1007
MHA-8-12-1-63-38-C	W-025462	1 x 38"	Ø28.9	Ø63.5	Ø38	1380	1309	1095	1013
MHA-8-12-1-51-38-C	W-025468	1 x 38"	Ø28.9	Ø51	Ø38	1380	1309	1095	1019
MHA-8-12-1-65-38-C	W-025474	1 x 38"	Ø28.9	DN65	Ø38	1380	1309	1095	1010
MHA-8-12-1-50-38-C	W-025480	1 x 38"	Ø28.9	DN50	Ø38	1380	1309	1095	1018
MHA-8-12-1-76-25-C	W-025486	1 x 38"	Ø28.9	Ø76	Ø25	1380	1309	1095	1007
MHA-8-12-1-63-25-C	W-025492	1 x 38"	Ø28.9	Ø63.5	Ø25	1380	1309	1095	1013
MHA-8-12-1-51-25-C	W-025498	1 x 38"	Ø28.9	Ø51	Ø25	1380	1309	1095	1019
MHA-8-12-1-65-25-C	W-025504	1 x 38"	Ø28.9	DN65	Ø25	1380	1309	1095	1010
MHA-8-12-1-50-25-C	W-025510	1 x 38"	Ø28.9	DN50	Ø25	1380	1309	1095	1018
MHA-8-12-1-76-40-C	W-025516	1 x 38"	Ø28.9	Ø76	DN40	1380	1309	1095	1007
MHA-8-12-1-63-40-C	W-025522	1 x 38"	Ø28.9	Ø63.5	DN40	1380	1309	1095	1013
MHA-8-12-1-51-40-C	W-025528	1 x 38"	Ø28.9	Ø51	DN40	1380	1309	1095	1019
MHA-8-12-1-65-40-C	W-025534	1 x 38"	Ø28.9	DN65	DN40	1380	1309	1095	1010
MHA-8-12-1-50-40-C	W-025540	1 x 38"	Ø28.9	DN50	DN40	1380	1309	1095	1018
MHA-8-12-1-76-26-C	W-025546	1 x 38"	Ø28.9	Ø76	DN25	1380	1309	1095	1007
MHA-8-12-1-63-26-C	W-025552	1 x 38"	Ø28.9	Ø63.5	DN25	1380	1309	1095	1013
MHA-8-12-1-51-26-C	W-025558	1 x 38"	Ø28.9	Ø51	DN25	1380	1309	1095	1019
MHA-8-12-1-65-26-C	W-025564	1 x 38"	Ø28.9	DN65	DN25	1380	1309	1095	1010
MHA-8-12-1-50-26-C	W-025570	1 x 38"	Ø28.9	DN50	DN25	1380	1309	1095	1018
MHA-8-12-1-3.0-1.5C	W-028868	1 x 38"	Ø28.9	3.0"	1.5"	1380	1309	1095	1007
MHA-8-12-1-2.5-1.5C	W-028874	1 x 38"	Ø28.9	2.5"	1.5"	1380	1309	1095	1013
MHA-8-12-1-2.0-1.5C	W-028880	1 x 38"	Ø28.9	2.0"	1.5"	1380	1309	1095	1019
MHA-8-12-1-3.0-1.0C	W-028886	1 x 38"	Ø28.9	3.0"	1.0"	1380	1309	1095	1007
MHA-8-12-1-2.5-1.0C	W-028892	1 x 38"	Ø28.9	2.5"	1.0"	1380	1309	1095	1013
MHA-8-12-1-2.0-1.0C	W-028898	1 x 38"	Ø28.9	2.0"	1.0"	1380	1309	1095	1019



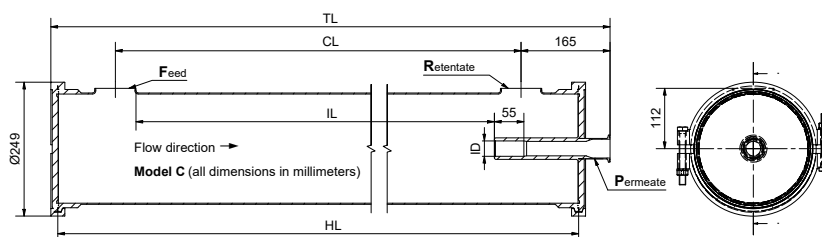
MHA-8-12bar-2-element - Model A		Element type 8038		Maximum pressure / Maximum temperature					
		Quantity	Permeate	12 barg / 70°C		Volume 72 liters		Dry weight 42 kg	
Stock number	Drawing number	7.9" dia.	ID	F&R	P	TL	HL	CL	IL
MHA-8-12-2-76-38-A	W-025337	2 x 38"	Ø28.9	Ø76	Ø38	2360	2289	2075	1987
MHA-8-12-2-63-38-A	W-025343	2 x 38"	Ø28.9	Ø63.5	Ø38	2360	2289	2075	1993
MHA-8-12-2-51-38-A	W-025349	2 x 38"	Ø28.9	Ø51	Ø38	2360	2289	2075	1999
MHA-8-12-2-65-38-A	W-025355	2 x 38"	Ø28.9	DN65	Ø38	2360	2289	2075	1990
MHA-8-12-2-50-38-A	W-025361	2 x 38"	Ø28.9	DN50	Ø38	2360	2289	2075	1998
MHA-8-12-2-76-25-A	W-025367	2 x 38"	Ø28.9	Ø76	Ø25	2360	2289	2075	1987
MHA-8-12-2-63-25-A	W-025373	2 x 38"	Ø28.9	Ø63.5	Ø25	2360	2289	2075	1993
MHA-8-12-2-51-25-A	W-025379	2 x 38"	Ø28.9	Ø51	Ø25	2360	2289	2075	1999
MHA-8-12-2-65-25-A	W-025385	2 x 38"	Ø28.9	DN65	Ø25	2360	2289	2075	1990
MHA-8-12-2-50-25-A	W-025391	2 x 38"	Ø28.9	DN50	Ø25	2360	2289	2075	1998
MHA-8-12-2-76-40-A	W-025397	2 x 38"	Ø28.9	Ø76	DN40	2360	2289	2075	1987
MHA-8-12-2-63-40-A	W-025403	2 x 38"	Ø28.9	Ø63.5	DN40	2360	2289	2075	1993
MHA-8-12-2-51-40-A	W-025409	2 x 38"	Ø28.9	Ø51	DN40	2360	2289	2075	1999
MHA-8-12-2-65-40-A	W-025415	2 x 38"	Ø28.9	DN65	DN40	2360	2289	2075	1990
MHA-8-12-2-50-40-A	W-025421	2 x 38"	Ø28.9	DN50	DN40	2360	2289	2075	1998
MHA-8-12-2-76-26-A	W-025427	2 x 38"	Ø28.9	Ø76	DN25	2360	2289	2075	1987
MHA-8-12-2-63-26-A	W-025433	2 x 38"	Ø28.9	Ø63.5	DN25	2360	2289	2075	1993
MHA-8-12-2-51-26-A	W-025439	2 x 38"	Ø28.9	Ø51	DN25	2360	2289	2075	1999
MHA-8-12-2-65-26-A	W-025445	2 x 38"	Ø28.9	DN65	DN25	2360	2289	2075	1990
MHA-8-12-2-50-26-A	W-025451	2 x 38"	Ø28.9	DN50	DN25	2360	2289	2075	1998
MHA-8-12-2-3.0-1.5A	W-028833	2 x 38"	Ø28.9	3.0"	1.5"	2360	2289	2075	1987
MHA-8-12-2-2.5-1.5A	W-028839	2 x 38"	Ø28.9	2.5"	1.5"	2360	2289	2075	1993
MHA-8-12-2-2.0-1.5A	W-028845	2 x 38"	Ø28.9	2.0"	1.5"	2360	2289	2075	1999
MHA-8-12-2-3.0-1.0A	W-028851	2 x 38"	Ø28.9	3.0"	1.0"	2360	2289	2075	1987
MHA-8-12-2-2.5-1.0A	W-028857	2 x 38"	Ø28.9	2.5"	1.0"	2360	2289	2075	1993
MHA-8-12-2-2.0-1.0A	W-028863	2 x 38"	Ø28.9	2.0"	1.0"	2360	2289	2075	1999



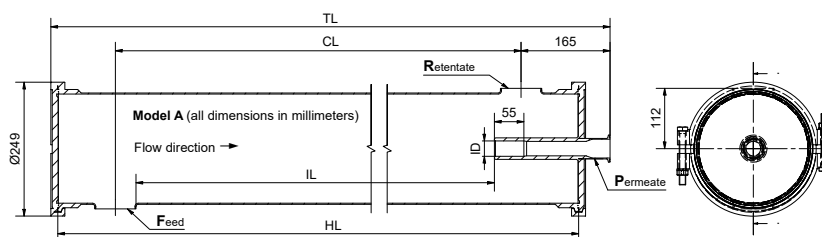
MHA-8-12bar-2-element - Model C		Element type 8038		Maximum pressure / Maximum temperature					
Stock number	Drawing number	Quantity	Permeate	12 barg / 70°C		Volume 72 liters		Dry weight 42 kg	
		7.9" dia.	ID	F&R	P	TL	HL	CL	IL
MHA-8-12-2-76-38-C	W-025457	2 x 38"	Ø28.9	Ø76	Ø38	2360	2289	2075	1987
MHA-8-12-2-63-38-C	W-025463	2 x 38"	Ø28.9	Ø63.5	Ø38	2360	2289	2075	1993
MHA-8-12-2-51-38-C	W-025469	2 x 38"	Ø28.9	Ø51	Ø38	2360	2289	2075	1999
MHA-8-12-2-65-38-C	W-025475	2 x 38"	Ø28.9	DN65	Ø38	2360	2289	2075	1990
MHA-8-12-2-50-38-C	W-025481	2 x 38"	Ø28.9	DN50	Ø38	2360	2289	2075	1998
MHA-8-12-2-76-25-C	W-025487	2 x 38"	Ø28.9	Ø76	Ø25	2360	2289	2075	1987
MHA-8-12-2-63-25-C	W-025493	2 x 38"	Ø28.9	Ø63.5	Ø25	2360	2289	2075	1993
MHA-8-12-2-51-25-C	W-025499	2 x 38"	Ø28.9	Ø51	Ø25	2360	2289	2075	1999
MHA-8-12-2-65-25-C	W-025505	2 x 38"	Ø28.9	DN65	Ø25	2360	2289	2075	1990
MHA-8-12-2-50-25-C	W-025511	2 x 38"	Ø28.9	DN50	Ø25	2360	2289	2075	1998
MHA-8-12-2-76-40-C	W-025517	2 x 38"	Ø28.9	Ø76	DN40	2360	2289	2075	1987
MHA-8-12-2-63-40-C	W-025523	2 x 38"	Ø28.9	Ø63.5	DN40	2360	2289	2075	1993
MHA-8-12-2-51-40-C	W-025529	2 x 38"	Ø28.9	Ø51	DN40	2360	2289	2075	1999
MHA-8-12-2-65-40-C	W-025535	2 x 38"	Ø28.9	DN65	DN40	2360	2289	2075	1990
MHA-8-12-2-50-40-C	W-025541	2 x 38"	Ø28.9	DN50	DN40	2360	2289	2075	1998
MHA-8-12-2-76-26-C	W-025547	2 x 38"	Ø28.9	Ø76	DN25	2360	2289	2075	1987
MHA-8-12-2-63-26-C	W-025553	2 x 38"	Ø28.9	Ø63.5	DN25	2360	2289	2075	1993
MHA-8-12-2-51-26-C	W-025559	2 x 38"	Ø28.9	Ø51	DN25	2360	2289	2075	1999
MHA-8-12-2-65-26-C	W-025565	2 x 38"	Ø28.9	DN65	DN25	2360	2289	2075	1990
MHA-8-12-2-50-26-C	W-025571	2 x 38"	Ø28.9	DN50	DN25	2360	2289	2075	1998
MHA-8-12-2-3.0-1.5C	W-028869	2 x 38"	Ø28.9	3.0"	1.5"	2360	2289	2075	1987
MHA-8-12-2-2.5-1.5C	W-028875	2 x 38"	Ø28.9	2.5"	1.5"	2360	2289	2075	1993
MHA-8-12-2-2.0-1.5C	W-028881	2 x 38"	Ø28.9	2.0"	1.5"	2360	2289	2075	1999
MHA-8-12-2-3.0-1.0C	W-028887	2 x 38"	Ø28.9	3.0"	1.0"	2360	2289	2075	1987
MHA-8-12-2-2.5-1.0C	W-028893	2 x 38"	Ø28.9	2.5"	1.0"	2360	2289	2075	1993
MHA-8-12-2-2.0-1.0C	W-028899	2 x 38"	Ø28.9	2.0"	1.0"	2360	2289	2075	1999



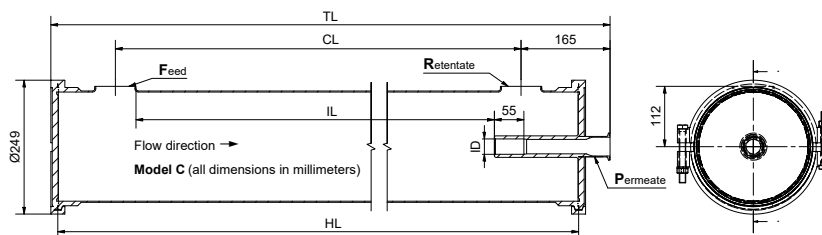
MHA-8-12bar-3-element - Model A		Element type 8038		Maximum pressure / Maximum temperature					
		Quantity	Permeate	12 barg / 70°C		Volume 104 liters		Dry weight 53 kg	
Stock number	Drawing number	7.9" dia.	ID	F&R	P	TL	HL	CL	IL
MHA-8-12-3-76-38-A	W-025338	3 x 38"	Ø28.9	Ø76	Ø38	3345	3274	3060	2972
MHA-8-12-3-63-38-A	W-025344	3 x 38"	Ø28.9	Ø63.5	Ø38	3345	3274	3060	2978
MHA-8-12-3-51-38-A	W-025350	3 x 38"	Ø28.9	Ø51	Ø38	3345	3274	3060	2984
MHA-8-12-3-65-38-A	W-025356	3 x 38"	Ø28.9	DN65	Ø38	3345	3274	3060	2975
MHA-8-12-3-50-38-A	W-025362	3 x 38"	Ø28.9	DN50	Ø38	3345	3274	3060	2983
MHA-8-12-3-76-25-A	W-025368	3 x 38"	Ø28.9	Ø76	Ø25	3345	3274	3060	2972
MHA-8-12-3-63-25-A	W-025374	3 x 38"	Ø28.9	Ø63.5	Ø25	3345	3274	3060	2978
MHA-8-12-3-51-25-A	W-025380	3 x 38"	Ø28.9	Ø51	Ø25	3345	3274	3060	2984
MHA-8-12-3-65-25-A	W-025386	3 x 38"	Ø28.9	DN65	Ø25	3345	3274	3060	2975
MHA-8-12-3-50-25-A	W-025392	3 x 38"	Ø28.9	DN50	Ø25	3345	3274	3060	2983
MHA-8-12-3-76-40-A	W-025398	3 x 38"	Ø28.9	Ø76	DN40	3345	3274	3060	2972
MHA-8-12-3-63-40-A	W-025404	3 x 38"	Ø28.9	Ø63.5	DN40	3345	3274	3060	2978
MHA-8-12-3-51-40-A	W-025410	3 x 38"	Ø28.9	Ø51	DN40	3345	3274	3060	2984
MHA-8-12-3-65-40-A	W-025416	3 x 38"	Ø28.9	DN65	DN40	3345	3274	3060	2975
MHA-8-12-3-50-40-A	W-025422	3 x 38"	Ø28.9	DN50	DN40	3345	3274	3060	2983
MHA-8-12-3-76-26-A	W-025428	3 x 38"	Ø28.9	Ø76	DN25	3345	3274	3060	2972
MHA-8-12-3-63-26-A	W-025434	3 x 38"	Ø28.9	Ø63.5	DN25	3345	3274	3060	2978
MHA-8-12-3-51-26-A	W-025440	3 x 38"	Ø28.9	Ø51	DN25	3345	3274	3060	2984
MHA-8-12-3-65-26-A	W-025446	3 x 38"	Ø28.9	DN65	DN25	3345	3274	3060	2975
MHA-8-12-3-50-26-A	W-025452	3 x 38"	Ø28.9	DN50	DN25	3345	3274	3060	2983
MHA-8-12-3-3.0-1.5A	W-028834	3 x 38"	Ø28.9	3.0"	1.5"	3345	3274	3060	2972
MHA-8-12-3-2.5-1.5A	W-028840	3 x 38"	Ø28.9	2.5"	1.5"	3345	3274	3060	2978
MHA-8-12-3-2.0-1.5A	W-028846	3 x 38"	Ø28.9	2.0"	1.5"	3345	3274	3060	2984
MHA-8-12-3-3.0-1.0A	W-028852	3 x 38"	Ø28.9	3.0"	1.0"	3345	3274	3060	2972
MHA-8-12-3-2.5-1.0A	W-028858	3 x 38"	Ø28.9	2.5"	1.0"	3345	3274	3060	2978
MHA-8-12-3-2.0-1.0A	W-028864	3 x 38"	Ø28.9	2.0"	1.0"	3345	3274	3060	2984



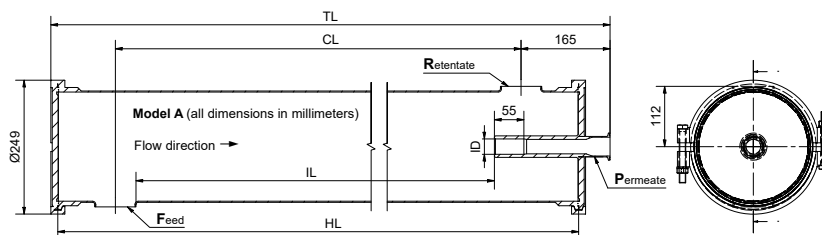
MHA-8-12bar-3-element - Model C		Element type 8038		Maximum pressure / Maximum temperature					
		Quantity	Permeate	12 barg / 70°C		Volume 104 liters		Dry weight 53 kg	
Stock number	Drawing number	7.9" dia.	ID	F&R	P	TL	HL	CL	IL
MHA-8-12-3-76-38-C	W-025458	3 x 38"	Ø28.9	Ø76	Ø38	3345	3274	3060	2972
MHA-8-12-3-63-38-C	W-025464	3 x 38"	Ø28.9	Ø63.5	Ø38	3345	3274	3060	2978
MHA-8-12-3-51-38-C	W-025470	3 x 38"	Ø28.9	Ø51	Ø38	3345	3274	3060	2984
MHA-8-12-3-65-38-C	W-025476	3 x 38"	Ø28.9	DN65	Ø38	3345	3274	3060	2975
MHA-8-12-3-50-38-C	W-025482	3 x 38"	Ø28.9	DN50	Ø38	3345	3274	3060	2983
MHA-8-12-3-76-25-C	W-025488	3 x 38"	Ø28.9	Ø76	Ø25	3345	3274	3060	2972
MHA-8-12-3-63-25-C	W-025494	3 x 38"	Ø28.9	Ø63.5	Ø25	3345	3274	3060	2978
MHA-8-12-3-51-25-C	W-025500	3 x 38"	Ø28.9	Ø51	Ø25	3345	3274	3060	2984
MHA-8-12-3-65-25-C	W-025506	3 x 38"	Ø28.9	DN65	Ø25	3345	3274	3060	2975
MHA-8-12-3-50-25-C	W-025512	3 x 38"	Ø28.9	DN50	Ø25	3345	3274	3060	2983
MHA-8-12-3-76-40-C	W-025518	3 x 38"	Ø28.9	Ø76	DN40	3345	3274	3060	2972
MHA-8-12-3-63-40-C	W-025524	3 x 38"	Ø28.9	Ø63.5	DN40	3345	3274	3060	2978
MHA-8-12-3-51-40-C	W-025530	3 x 38"	Ø28.9	Ø51	DN40	3345	3274	3060	2984
MHA-8-12-3-65-40-C	W-025536	3 x 38"	Ø28.9	DN65	DN40	3345	3274	3060	2975
MHA-8-12-3-50-40-C	W-025542	3 x 38"	Ø28.9	DN50	DN40	3345	3274	3060	2983
MHA-8-12-3-76-26-C	W-025548	3 x 38"	Ø28.9	Ø76	DN25	3345	3274	3060	2972
MHA-8-12-3-63-26-C	W-025554	3 x 38"	Ø28.9	Ø63.5	DN25	3345	3274	3060	2978
MHA-8-12-3-51-26-C	W-025560	3 x 38"	Ø28.9	Ø51	DN25	3345	3274	3060	2984
MHA-8-12-3-65-26-C	W-025566	3 x 38"	Ø28.9	DN65	DN25	3345	3274	3060	2975
MHA-8-12-3-50-26-C	W-025572	3 x 38"	Ø28.9	DN50	DN25	3345	3274	3060	2983
MHA-8-12-3-3.0-1.5C	W-028870	3 x 38"	Ø28.9	3.0"	1.5"	3345	3274	3060	2972
MHA-8-12-3-2.5-1.5C	W-028876	3 x 38"	Ø28.9	2.5"	1.5"	3345	3274	3060	2978
MHA-8-12-3-2.0-1.5C	W-028882	3 x 38"	Ø28.9	2.0"	1.5"	3345	3274	3060	2984
MHA-8-12-3-3.0-1.0C	W-028888	3 x 38"	Ø28.9	3.0"	1.0"	3345	3274	3060	2972
MHA-8-12-3-2.5-1.0C	W-028894	3 x 38"	Ø28.9	2.5"	1.0"	3345	3274	3060	2978
MHA-8-12-3-2.0-1.0C	W-028900	3 x 38"	Ø28.9	2.0"	1.0"	3345	3274	3060	2984



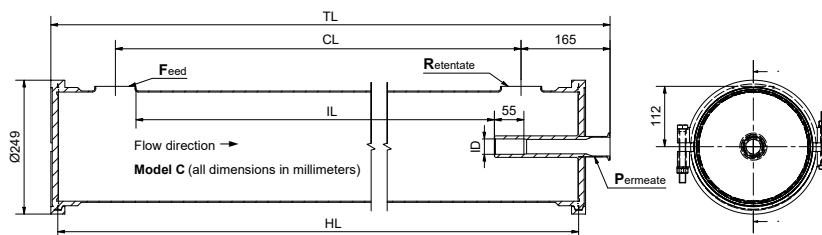
MHA-8-12bar-4-element - Model A		Element type 8038		Maximum pressure / Maximum temperature					
		Quantity	Permeate	12 barg / 70°C		Volume 136 liters		Dry weight 64 kg	
Stock number	Drawing number	7.9" dia.	ID	F&R	P	TL	HL	CL	IL
MHA-8-12-4-76-38-A	W-025339	4 x 38"	Ø28.9	Ø76	Ø38	4325	4254	4040	3952
MHA-8-12-4-63-38-A	W-025345	4 x 38"	Ø28.9	Ø63.5	Ø38	4325	4254	4040	3958
MHA-8-12-4-51-38-A	W-025351	4 x 38"	Ø28.9	Ø51	Ø38	4325	4254	4040	3964
MHA-8-12-4-65-38-A	W-025357	4 x 38"	Ø28.9	DN65	Ø38	4325	4254	4040	3955
MHA-8-12-4-50-38-A	W-025363	4 x 38"	Ø28.9	DN50	Ø38	4325	4254	4040	3963
MHA-8-12-4-76-25-A	W-025369	4 x 38"	Ø28.9	Ø76	Ø25	4325	4254	4040	3952
MHA-8-12-4-63-25-A	W-025375	4 x 38"	Ø28.9	Ø63.5	Ø25	4325	4254	4040	3958
MHA-8-12-4-51-25-A	W-025381	4 x 38"	Ø28.9	Ø51	Ø25	4325	4254	4040	3964
MHA-8-12-4-65-25-A	W-025387	4 x 38"	Ø28.9	DN65	Ø25	4325	4254	4040	3955
MHA-8-12-4-50-25-A	W-025393	4 x 38"	Ø28.9	DN50	Ø25	4325	4254	4040	3963
MHA-8-12-4-76-40-A	W-025399	4 x 38"	Ø28.9	Ø76	DN40	4325	4254	4040	3952
MHA-8-12-4-63-40-A	W-025405	4 x 38"	Ø28.9	Ø63.5	DN40	4325	4254	4040	3958
MHA-8-12-4-51-40-A	W-025411	4 x 38"	Ø28.9	Ø51	DN40	4325	4254	4040	3964
MHA-8-12-4-65-40-A	W-025417	4 x 38"	Ø28.9	DN65	DN40	4325	4254	4040	3955
MHA-8-12-4-50-40-A	W-025423	4 x 38"	Ø28.9	DN50	DN40	4325	4254	4040	3963
MHA-8-12-4-76-26-A	W-025429	4 x 38"	Ø28.9	Ø76	DN25	4325	4254	4040	3952
MHA-8-12-4-63-26-A	W-025435	4 x 38"	Ø28.9	Ø63.5	DN25	4325	4254	4040	3958
MHA-8-12-4-51-26-A	W-025441	4 x 38"	Ø28.9	Ø51	DN25	4325	4254	4040	3964
MHA-8-12-4-65-26-A	W-025447	4 x 38"	Ø28.9	DN65	DN25	4325	4254	4040	3955
MHA-8-12-4-50-26-A	W-025453	4 x 38"	Ø28.9	DN50	DN25	4325	4254	4040	3963
MHA-8-12-4-3.0-1.5A	W-028835	4 x 38"	Ø28.9	3.0"	1.5"	4325	4254	4040	3952
MHA-8-12-4-2.5-1.5A	W-028841	4 x 38"	Ø28.9	2.5"	1.5"	4325	4254	4040	3958
MHA-8-12-4-2.0-1.5A	W-028847	4 x 38"	Ø28.9	2.0"	1.5"	4325	4254	4040	3964
MHA-8-12-4-3.0-1.0A	W-028853	4 x 38"	Ø28.9	3.0"	1.0"	4325	4254	4040	3952
MHA-8-12-4-2.5-1.0A	W-028859	4 x 38"	Ø28.9	2.5"	1.0"	4325	4254	4040	3958
MHA-8-12-4-2.0-1.0A	W-028865	4 x 38"	Ø28.9	2.0"	1.0"	4325	4254	4040	3964



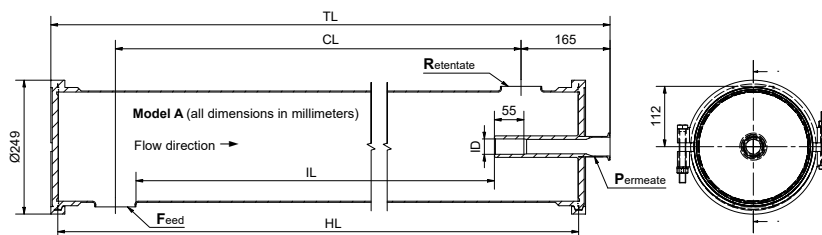
MHA-8-12bar-4-element - Model C		Element type 8038		Maximum pressure / Maximum temperature					
		Quantity	Permeate	12 barg / 70°C		Volume 136 liters		Dry weight 64 kg	
Stock number	Drawing number	7.9" dia.	ID	F&R	P	TL	HL	CL	IL
MHA-8-12-4-76-38-C	W-025459	4 x 38"	Ø28.9	Ø76	Ø38	4325	4254	4040	3952
MHA-8-12-4-63-38-C	W-025465	4 x 38"	Ø28.9	Ø63.5	Ø38	4325	4254	4040	3958
MHA-8-12-4-51-38-C	W-025471	4 x 38"	Ø28.9	Ø51	Ø38	4325	4254	4040	3964
MHA-8-12-4-65-38-C	W-025477	4 x 38"	Ø28.9	DN65	Ø38	4325	4254	4040	3955
MHA-8-12-4-50-38-C	W-025483	4 x 38"	Ø28.9	DN50	Ø38	4325	4254	4040	3963
MHA-8-12-4-76-25-C	W-025489	4 x 38"	Ø28.9	Ø76	Ø25	4325	4254	4040	3952
MHA-8-12-4-63-25-C	W-025495	4 x 38"	Ø28.9	Ø63.5	Ø25	4325	4254	4040	3958
MHA-8-12-4-51-25-C	W-025501	4 x 38"	Ø28.9	Ø51	Ø25	4325	4254	4040	3964
MHA-8-12-4-65-25-C	W-025507	4 x 38"	Ø28.9	DN65	Ø25	4325	4254	4040	3955
MHA-8-12-4-50-25-C	W-025513	4 x 38"	Ø28.9	DN50	Ø25	4325	4254	4040	3963
MHA-8-12-4-76-40-C	W-025519	4 x 38"	Ø28.9	Ø76	DN40	4325	4254	4040	3952
MHA-8-12-4-63-40-C	W-025525	4 x 38"	Ø28.9	Ø63.5	DN40	4325	4254	4040	3958
MHA-8-12-4-51-40-C	W-025531	4 x 38"	Ø28.9	Ø51	DN40	4325	4254	4040	3964
MHA-8-12-4-65-40-C	W-025537	4 x 38"	Ø28.9	DN65	DN40	4325	4254	4040	3955
MHA-8-12-4-50-40-C	W-025543	4 x 38"	Ø28.9	DN50	DN40	4325	4254	4040	3963
MHA-8-12-4-76-26-C	W-025549	4 x 38"	Ø28.9	Ø76	DN25	4325	4254	4040	3952
MHA-8-12-4-63-26-C	W-025555	4 x 38"	Ø28.9	Ø63.5	DN25	4325	4254	4040	3958
MHA-8-12-4-51-26-C	W-025561	4 x 38"	Ø28.9	Ø51	DN25	4325	4254	4040	3964
MHA-8-12-4-65-26-C	W-025567	4 x 38"	Ø28.9	DN65	DN25	4325	4254	4040	3955
MHA-8-12-4-50-26-C	W-025573	4 x 38"	Ø28.9	DN50	DN25	4325	4254	4040	3963
MHA-8-12-4-3.0-1.5C	W-028871	4 x 38"	Ø28.9	3.0"	1.5"	4325	4254	4040	3952
MHA-8-12-4-2.5-1.5C	W-028877	4 x 38"	Ø28.9	2.5"	1.5"	4325	4254	4040	3958
MHA-8-12-4-2.0-1.5C	W-028883	4 x 38"	Ø28.9	2.0"	1.5"	4325	4254	4040	3964
MHA-8-12-4-3.0-1.0C	W-028889	4 x 38"	Ø28.9	3.0"	1.0"	4325	4254	4040	3952
MHA-8-12-4-2.5-1.0C	W-028895	4 x 38"	Ø28.9	2.5"	1.0"	4325	4254	4040	3958
MHA-8-12-4-2.0-1.0C	W-028901	4 x 38"	Ø28.9	2.0"	1.0"	4325	4254	4040	3964



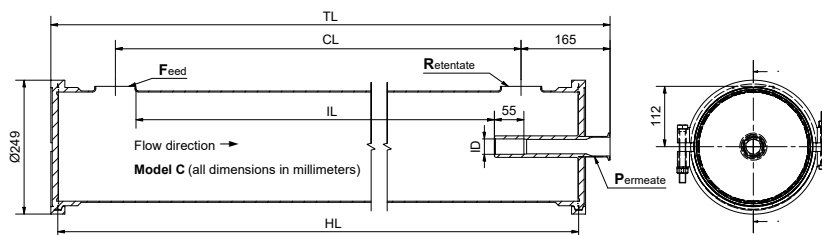
MHA-8-12bar-5-element - Model A		Element type 8038		Maximum pressure / Maximum temperature					
		Quantity	Permeate	12 barg / 70°C		Volume 168 liters		Dry weight 76 kg	
Stock number	Drawing number	7.9" dia.	ID	F&R	P	TL	HL	CL	IL
MHA-8-12-5-76-38-A	W-025340	5 x 38"	Ø28.9	Ø76	Ø38	5310	5239	5025	4937
MHA-8-12-5-63-38-A	W-025346	5 x 38"	Ø28.9	Ø63.5	Ø38	5310	5239	5025	4943
MHA-8-12-5-51-38-A	W-025352	5 x 38"	Ø28.9	Ø51	Ø38	5310	5239	5025	4949
MHA-8-12-5-65-38-A	W-025358	5 x 38"	Ø28.9	DN65	Ø38	5310	5239	5025	4940
MHA-8-12-5-50-38-A	W-025364	5 x 38"	Ø28.9	DN50	Ø38	5310	5239	5025	4948
MHA-8-12-5-76-25-A	W-025370	5 x 38"	Ø28.9	Ø76	Ø25	5310	5239	5025	4937
MHA-8-12-5-63-25-A	W-025376	5 x 38"	Ø28.9	Ø63.5	Ø25	5310	5239	5025	4943
MHA-8-12-5-51-25-A	W-025382	5 x 38"	Ø28.9	Ø51	Ø25	5310	5239	5025	4949
MHA-8-12-5-65-25-A	W-025388	5 x 38"	Ø28.9	DN65	Ø25	5310	5239	5025	4940
MHA-8-12-5-50-25-A	W-025394	5 x 38"	Ø28.9	DN50	Ø25	5310	5239	5025	4948
MHA-8-12-5-76-40-A	W-025400	5 x 38"	Ø28.9	Ø76	DN40	5310	5239	5025	4937
MHA-8-12-5-63-40-A	W-025406	5 x 38"	Ø28.9	Ø63.5	DN40	5310	5239	5025	4943
MHA-8-12-5-51-40-A	W-025412	5 x 38"	Ø28.9	Ø51	DN40	5310	5239	5025	4949
MHA-8-12-5-65-40-A	W-025418	5 x 38"	Ø28.9	DN65	DN40	5310	5239	5025	4940
MHA-8-12-5-50-40-A	W-025424	5 x 38"	Ø28.9	DN50	DN40	5310	5239	5025	4948
MHA-8-12-5-76-26-A	W-025430	5 x 38"	Ø28.9	Ø76	DN25	5310	5239	5025	4937
MHA-8-12-5-63-26-A	W-025436	5 x 38"	Ø28.9	Ø63.5	DN25	5310	5239	5025	4943
MHA-8-12-5-51-26-A	W-025442	5 x 38"	Ø28.9	Ø51	DN25	5310	5239	5025	4949
MHA-8-12-5-65-26-A	W-025448	5 x 38"	Ø28.9	DN65	DN25	5310	5239	5025	4940
MHA-8-12-5-50-26-A	W-025454	5 x 38"	Ø28.9	DN50	DN25	5310	5239	5025	4948
MHA-8-12-5-3.0-1.5A	W-028836	5 x 38"	Ø28.9	3.0"	1.5"	5310	5239	5025	4937
MHA-8-12-5-2.5-1.5A	W-028842	5 x 38"	Ø28.9	2.5"	1.5"	5310	5239	5025	4943
MHA-8-12-5-2.0-1.5A	W-028848	5 x 38"	Ø28.9	2.0"	1.5"	5310	5239	5025	4949
MHA-8-12-5-3.0-1.0A	W-028854	5 x 38"	Ø28.9	3.0"	1.0"	5310	5239	5025	4937
MHA-8-12-5-2.5-1.0A	W-028860	5 x 38"	Ø28.9	2.5"	1.0"	5310	5239	5025	4943
MHA-8-12-5-2.0-1.0A	W-028866	5 x 38"	Ø28.9	2.0"	1.0"	5310	5239	5025	4949



MHA-8-12bar-5-element - Model C		Element type 8038		Maximum pressure / Maximum temperature					
		Quantity	Permeate	12 barg / 70°C		Volume 168 liters		Dry weight 76 kg	
Stock number	Drawing number	7.9" dia.	ID	F&R	P	TL	HL	CL	IL
MHA-8-12-5-76-38-C	W-025460	5 x 38"	Ø28.9	Ø76	Ø38	5310	5239	5025	4937
MHA-8-12-5-63-38-C	W-025466	5 x 38"	Ø28.9	Ø63.5	Ø38	5310	5239	5025	4943
MHA-8-12-5-51-38-C	W-025472	5 x 38"	Ø28.9	Ø51	Ø38	5310	5239	5025	4949
MHA-8-12-5-65-38-C	W-025478	5 x 38"	Ø28.9	DN65	Ø38	5310	5239	5025	4940
MHA-8-12-5-50-38-C	W-025484	5 x 38"	Ø28.9	DN50	Ø38	5310	5239	5025	4948
MHA-8-12-5-76-25-C	W-025490	5 x 38"	Ø28.9	Ø76	Ø25	5310	5239	5025	4937
MHA-8-12-5-63-25-C	W-025496	5 x 38"	Ø28.9	Ø63.5	Ø25	5310	5239	5025	4943
MHA-8-12-5-51-25-C	W-025502	5 x 38"	Ø28.9	Ø51	Ø25	5310	5239	5025	4949
MHA-8-12-5-65-25-C	W-025508	5 x 38"	Ø28.9	DN65	Ø25	5310	5239	5025	4940
MHA-8-12-5-50-25-C	W-025514	5 x 38"	Ø28.9	DN50	Ø25	5310	5239	5025	4948
MHA-8-12-5-76-40-C	W-025520	5 x 38"	Ø28.9	Ø76	DN40	5310	5239	5025	4937
MHA-8-12-5-63-40-C	W-025526	5 x 38"	Ø28.9	Ø63.5	DN40	5310	5239	5025	4943
MHA-8-12-5-51-40-C	W-025532	5 x 38"	Ø28.9	Ø51	DN40	5310	5239	5025	4949
MHA-8-12-5-65-40-C	W-025538	5 x 38"	Ø28.9	DN65	DN40	5310	5239	5025	4940
MHA-8-12-5-50-40-C	W-025544	5 x 38"	Ø28.9	DN50	DN40	5310	5239	5025	4948
MHA-8-12-5-76-26-C	W-025550	5 x 38"	Ø28.9	Ø76	DN25	5310	5239	5025	4937
MHA-8-12-5-63-26-C	W-025556	5 x 38"	Ø28.9	Ø63.5	DN25	5310	5239	5025	4943
MHA-8-12-5-51-26-C	W-025562	5 x 38"	Ø28.9	Ø51	DN25	5310	5239	5025	4949
MHA-8-12-5-65-26-C	W-025568	5 x 38"	Ø28.9	DN65	DN25	5310	5239	5025	4940
MHA-8-12-5-50-26-C	W-025574	5 x 38"	Ø28.9	DN50	DN25	5310	5239	5025	4948
MHA-8-12-5-3.0-1.5C	W-028872	5 x 38"	Ø28.9	3.0"	1.5"	5310	5239	5025	4937
MHA-8-12-5-2.5-1.5C	W-028878	5 x 38"	Ø28.9	2.5"	1.5"	5310	5239	5025	4943
MHA-8-12-5-2.0-1.5C	W-028884	5 x 38"	Ø28.9	2.0"	1.5"	5310	5239	5025	4949
MHA-8-12-5-3.0-1.0C	W-028890	5 x 38"	Ø28.9	3.0"	1.0"	5310	5239	5025	4937
MHA-8-12-5-2.5-1.0C	W-028896	5 x 38"	Ø28.9	2.5"	1.0"	5310	5239	5025	4943
MHA-8-12-5-2.0-1.0C	W-028902	5 x 38"	Ø28.9	2.0"	1.0"	5310	5239	5025	4949



MHA-8-12bar-6-element - Model A		Element type 8038		Maximum pressure / Maximum temperature					
		Quantity	Permeate	12 barg / 70°C		Volume 200 liters		Dry weight 88 kg	
Stock number	Drawing number	7.9" dia.	ID	F&R	P	TL	HL	CL	IL
MHA-8-12-6-76-38-A	W-025341	6 x 38"	Ø28.9	Ø76	Ø38	6290	6219	6005	5917
MHA-8-12-6-63-38-A	W-025347	6 x 38"	Ø28.9	Ø63.5	Ø38	6290	6219	6005	5923
MHA-8-12-6-51-38-A	W-025353	6 x 38"	Ø28.9	Ø51	Ø38	6290	6219	6005	5929
MHA-8-12-6-65-38-A	W-025359	6 x 38"	Ø28.9	DN65	Ø38	6290	6219	6005	5920
MHA-8-12-6-50-38-A	W-025365	6 x 38"	Ø28.9	DN50	Ø38	6290	6219	6005	5928
MHA-8-12-6-76-25-A	W-025371	6 x 38"	Ø28.9	Ø76	Ø25	6290	6219	6005	5917
MHA-8-12-6-63-25-A	W-025377	6 x 38"	Ø28.9	Ø63.5	Ø25	6290	6219	6005	5923
MHA-8-12-6-51-25-A	W-025383	6 x 38"	Ø28.9	Ø51	Ø25	6290	6219	6005	5929
MHA-8-12-6-65-25-A	W-025389	6 x 38"	Ø28.9	DN65	Ø25	6290	6219	6005	5920
MHA-8-12-6-50-25-A	W-025395	6 x 38"	Ø28.9	DN50	Ø25	6290	6219	6005	5928
MHA-8-12-6-76-40-A	W-025401	6 x 38"	Ø28.9	Ø76	DN40	6290	6219	6005	5917
MHA-8-12-6-63-40-A	W-025407	6 x 38"	Ø28.9	Ø63.5	DN40	6290	6219	6005	5923
MHA-8-12-6-51-40-A	W-025413	6 x 38"	Ø28.9	Ø51	DN40	6290	6219	6005	5929
MHA-8-12-6-65-40-A	W-025419	6 x 38"	Ø28.9	DN65	DN40	6290	6219	6005	5920
MHA-8-12-6-50-40-A	W-025425	6 x 38"	Ø28.9	DN50	DN40	6290	6219	6005	5928
MHA-8-12-6-76-26-A	W-025431	6 x 38"	Ø28.9	Ø76	DN25	6290	6219	6005	5917
MHA-8-12-6-63-26-A	W-025437	6 x 38"	Ø28.9	Ø63.5	DN25	6290	6219	6005	5923
MHA-8-12-6-51-26-A	W-025443	6 x 38"	Ø28.9	Ø51	DN25	6290	6219	6005	5929
MHA-8-12-6-65-26-A	W-025449	6 x 38"	Ø28.9	DN65	DN25	6290	6219	6005	5920
MHA-8-12-6-50-26-A	W-025455	6 x 38"	Ø28.9	DN50	DN25	6290	6219	6005	5928
MHA-8-12-6-3.0-1.5A	W-028837	6 x 38"	Ø28.9	3.0"	1.5"	6290	6219	6005	5917
MHA-8-12-6-2.5-1.5A	W-028843	6 x 38"	Ø28.9	2.5"	1.5"	6290	6219	6005	5923
MHA-8-12-6-2.0-1.5A	W-028849	6 x 38"	Ø28.9	2.0"	1.5"	6290	6219	6005	5929
MHA-8-12-6-3.0-1.0A	W-028855	6 x 38"	Ø28.9	3.0"	1.0"	6290	6219	6005	5917
MHA-8-12-6-2.5-1.0A	W-028861	6 x 38"	Ø28.9	2.5"	1.0"	6290	6219	6005	5923
MHA-8-12-6-2.0-1.0A	W-028867	6 x 38"	Ø28.9	2.0"	1.0"	6290	6219	6005	5929



MHA-8-12bar-6-element - Model C		Element type 8038		Maximum pressure / Maximum temperature					
Stock number	Drawing number	Quantity	Permeate	12 barg / 70°C		Volume 200 liters		Dry weight 88 kg	
		7.9" dia.	ID	F&R	P	TL	HL	CL	IL
MHA-8-12-6-76-38-C	W-025461	6 x 38"	Ø28.9	Ø76	Ø38	6290	6219	6005	5917
MHA-8-12-6-63-38-C	W-025467	6 x 38"	Ø28.9	Ø63.5	Ø38	6290	6219	6005	5923
MHA-8-12-6-51-38-C	W-025473	6 x 38"	Ø28.9	Ø51	Ø38	6290	6219	6005	5929
MHA-8-12-6-65-38-C	W-025479	6 x 38"	Ø28.9	DN65	Ø38	6290	6219	6005	5920
MHA-8-12-6-50-38-C	W-025485	6 x 38"	Ø28.9	DN50	Ø38	6290	6219	6005	5928
MHA-8-12-6-76-25-C	W-025491	6 x 38"	Ø28.9	Ø76	Ø25	6290	6219	6005	5917
MHA-8-12-6-63-25-C	W-025497	6 x 38"	Ø28.9	Ø63.5	Ø25	6290	6219	6005	5923
MHA-8-12-6-51-25-C	W-025503	6 x 38"	Ø28.9	Ø51	Ø25	6290	6219	6005	5929
MHA-8-12-6-65-25-C	W-025509	6 x 38"	Ø28.9	DN65	Ø25	6290	6219	6005	5920
MHA-8-12-6-50-25-C	W-025515	6 x 38"	Ø28.9	DN50	Ø25	6290	6219	6005	5928
MHA-8-12-6-76-40-C	W-025521	6 x 38"	Ø28.9	Ø76	DN40	6290	6219	6005	5917
MHA-8-12-6-63-40-C	W-025527	6 x 38"	Ø28.9	Ø63.5	DN40	6290	6219	6005	5923
MHA-8-12-6-51-40-C	W-025533	6 x 38"	Ø28.9	Ø51	DN40	6290	6219	6005	5929
MHA-8-12-6-65-40-C	W-025539	6 x 38"	Ø28.9	DN65	DN40	6290	6219	6005	5920
MHA-8-12-6-50-40-C	W-025545	6 x 38"	Ø28.9	DN50	DN40	6290	6219	6005	5928
MHA-8-12-6-76-26-C	W-025551	6 x 38"	Ø28.9	Ø76	DN25	6290	6219	6005	5917
MHA-8-12-6-63-26-C	W-025557	6 x 38"	Ø28.9	Ø63.5	DN25	6290	6219	6005	5923
MHA-8-12-6-51-26-C	W-025563	6 x 38"	Ø28.9	Ø51	DN25	6290	6219	6005	5929
MHA-8-12-6-65-26-C	W-025569	6 x 38"	Ø28.9	DN65	DN25	6290	6219	6005	5920
MHA-8-12-6-50-26-C	W-025575	6 x 38"	Ø28.9	DN50	DN25	6290	6219	6005	5928
MHA-8-12-6-3.0-1.5C	W-028873	6 x 38"	Ø28.9	3.0"	1.5"	6290	6219	6005	5917
MHA-8-12-6-2.5-1.5C	W-028879	6 x 38"	Ø28.9	2.5"	1.5"	6290	6219	6005	5923
MHA-8-12-6-2.0-1.5C	W-028885	6 x 38"	Ø28.9	2.0"	1.5"	6290	6219	6005	5929
MHA-8-12-6-3.0-1.0C	W-028891	6 x 38"	Ø28.9	3.0"	1.0"	6290	6219	6005	5917
MHA-8-12-6-2.5-1.0C	W-028897	6 x 38"	Ø28.9	2.5"	1.0"	6290	6219	6005	5923
MHA-8-12-6-2.0-1.0C	W-028903	6 x 38"	Ø28.9	2.0"	1.0"	6290	6219	6005	5929