

TUBULAR STEAM HEATER

DETAILED OVERVIEW FOR TYPE 'TSHX'
MEDIUM PRESSURE - 40 BAR



Dimensions overview for type Ø129 & Ø209 - 40bar[g]

Tubular steam heaters are highly used in the food and beverage industry and in connection with many applications such as CIP units. In the food and beverage industry tubular heat exchangers are often used in systems to reduce or eliminate microbials to make products safe for consumption and to extend their shelf life. A tubular heat exchanger may also be used to heat or cool products prior to filling, drying, concentration or other processes.

WILA A/S
Mads Clausens Vej 14
8600 Silkeborg
Denmark

Phone: +45 8680 0844

mail@wila.dk
www.wila.dk

INNOVATION - DRIVEN BY PEOPLE

VAT number: 27230350

Contents

Introduction.....	3
Regulations and Directives	3
Documentation	3
Group specifications.....	4
Connections	5
Service side limits	5
TSHX-01-129-40.....	6
TSHX-02-129-40	8
TSHX-02-129-40-F.....	9
TSHX-03-129-40	10
TSHX-03-129-40-F	11
TSHX-01-209-40.....	12
TSHX-01-209-40-F	13
TSHX-02-209-40	14
TSHX-02-209-40-F.....	15
TSHX-03-209-40	16
TSHX-03-209-40-F.....	17
TSHX-04-209-40.....	18
TSHX-04-209-40-F.....	19
TSHX-06-209-40	20
TSHX-06-209-40-F.....	21
TSHX-08-209-40.....	22
TSHX-08-209-40-F.....	23

Introduction

This overview is for Tubular Steam Heaters manufactured by Wila A/S under the category "TSHX" hereinafter referred to as "Heat Exchanger". A Tubular Heat Exchanger is by design, two Pressure chambers in a combined housing.

The inner chamber consists of both ends and the insides of all tubes in the tube bundle, hereinafter referred to as "Tube side" or "Product side".

The outer pressure chamber consists of the outside of the tube bundle, and the inside of the exchangers outer shell, hereinafter referred to as "Shell side" or "Service side".

The Heat Exchanger is intended for a steam to fluid heat transfer and is made from EN.1.4404 (AISI 316L) stainless steel with a sanitary surface finish. The tube side is suitable for food stuff fluids, such as dairy products and juices. The outside surface roughness is $\leq 1,6\mu\text{m}$ and the internal tube side surface roughness is $\leq 0,8\mu\text{m}$. **All fluid media in use with the Heat exchanger, must be compatible with EN.1.4404 (AISI 316L) Stainless Steel.**

The 40 BAR (580 PSI), maximum product side pressure, heat exchanger design is based on either a Ø129x2 shell or a Ø209x3mm shell. Other sizes and pressure ratings are also available.

Regulations and Directives

The heat exchanger 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 Heat Exchanger is only designed for fluid group 2 (non-dangerous fluids). For (dangerous fluids) group I restrictions may apply.

Documentation

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

As Supplement the following can be provided:

5. 3.1 material certificates according to EN 10204
6. 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.

TSHX-xx-xxx-40

TSHX **Tubular Steam Heater** with eccentric product side reducer.
 xx 01, 02, 03, 04, 06, 08 * Indicates the heat transfer surface area in m².
 xxx Either 129 or 209 * Indicates the heat exchanger shell diameter in mm.
 40 The heat exchanger is designed for pressure up to 40 bar.

* Other versions are available.

TSHX-xx-xxx-yyy-zz

xx See above
 xxx See above
 yyy See below Indicates tube side clamp ferrule connection.
 zz See below Indicates shell side clamp ferrule connection.

Tube side (P1 and P2) connections are:

Shell size's	Tube side connection size's	
Ø129mm	DN125 – DN100 – DN80 – DN65	in accordance with DIN 32676-A
Ø129mm	Ø101.6 – Ø76.1 – Ø63.5	In accordance with ISO 2852-2
Ø209mm	DN150 – DN125 – DN100	in accordance with DIN 32676-A
Ø209mm	Ø101.6	in accordance with ISO 2852-2

Shell side (S1 and S2) connections, both Ø129 and Ø209 are:

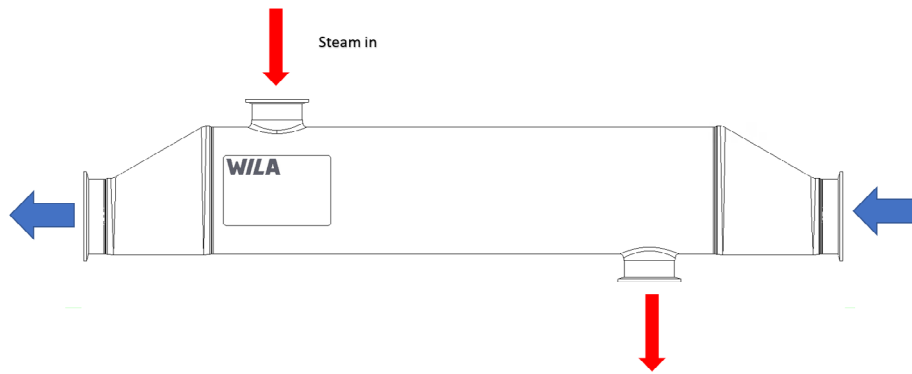
DN80 – DN65 – DN50 – DN40 – DN25	in accordance with DIN 32676-A
Ø76.1 – Ø63.5 – Ø51 – Ø38 – Ø25	in accordance with ISO 2852-2
DN80 (82) – DN65 (70) – DN50 (54) – DN40 (43) – DN25 (28) *	in accordance with DIN 2633 / EN 1092 Type 11

* Numbers in parentheses are numbers used in the unit codes on following pages.

For both tube and shell sides other connections types and sizes are available.

Connections

Always follow your fitting supplier guidelines and local legislations. Depending on the connection size either SH or SSH clamping rings (or similar) are recommended. For steam connections the outlet should always be at the lowest point.



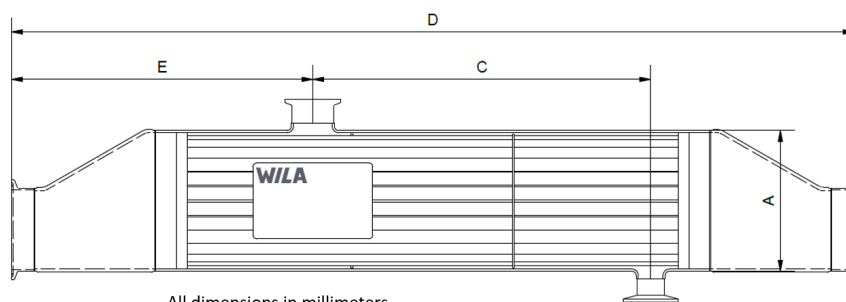
Service side limits

The heat exchanger's shell side maximum pressure and temperature limits are based on the maximum allowed steam pressure, which varies with the size of the heat exchanger:

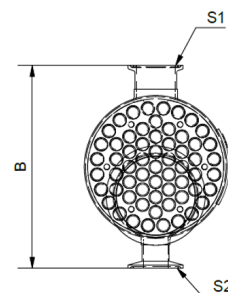
1. For heat exchanger size 1 m² these limits are respectively 10 bar[g] and 185°C
2. For heat exchanger size 2 m² these limits are respectively 8 bar[g] and 176°C
3. For heat exchanger size 3 m² these limits are respectively 6 bar[g] and 165°C
4. For heat exchanger size 4 m² these limits are respectively 4 bar[g] and 152°C
5. For heat exchanger size 6 m² these limits are respectively 3 bar[g] and 144°C
6. For heat exchanger size 8 m² these limits are respectively 2.3 bar[g] and 136°C

Note:

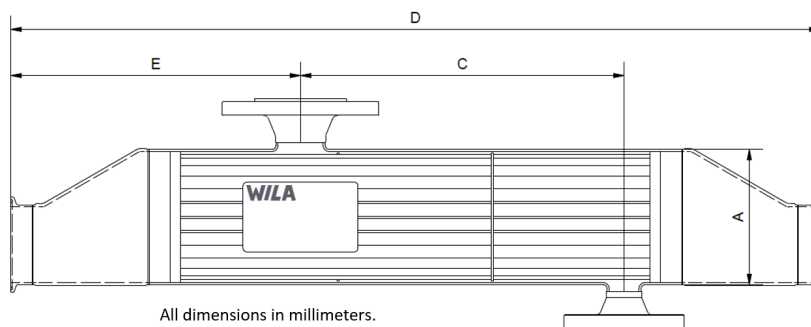
In the following group tables 'Tube bank' is data on the product tubes running paralell inside the shell.



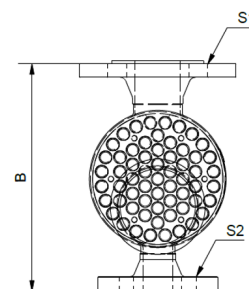
All dimensions in millimeters.



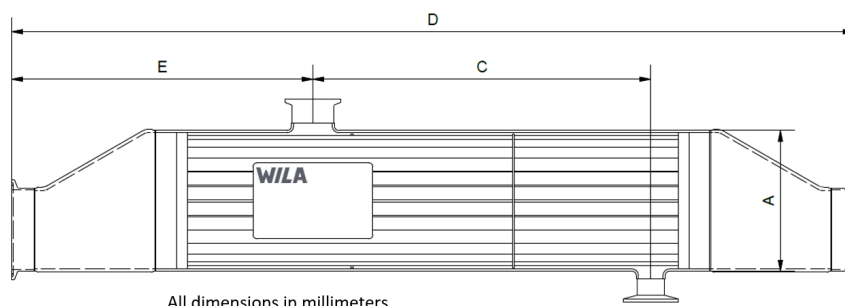
TSHX-01-129-40		40 barg / 85°C		10 bar[g] / 185°C			Maximum pressure / temperature			
		Volume 6 liters		Volume 2.5 liters			316L Eccentric		Dry weight 15 kg	
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-129-100-80	W-039301	DN100	Ø129	DN80	DN40	192	310	790	281	61 pc Ø12x1mm
TSHX-01-129-101-80	W-039302	Ø101.6	Ø129	DN80	DN40	192	310	777	274	61 pc Ø12x1mm
TSHX-01-129-080-80	W-039303	DN80	Ø129	DN80	DN40	192	310	790	281	61 pc Ø12x1mm
TSHX-01-129-076-80	W-039304	Ø76.1	Ø129	DN80	DN40	192	310	777	274	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-129-100-76	W-039305	DN100	Ø129	Ø76.1	Ø38	186	310	790	281	61 pc Ø12x1mm
TSHX-01-129-101-76	W-039306	Ø101.6	Ø129	Ø76.1	Ø38	186	310	777	274	61 pc Ø12x1mm
TSHX-01-129-080-76	W-039307	DN80	Ø129	Ø76.1	Ø38	186	310	790	281	61 pc Ø12x1mm
TSHX-01-129-076-76	W-039308	Ø76.1	Ø129	Ø76.1	Ø38	186	310	777	274	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-129-100-65	W-039309	DN100	Ø129	DN65	DN40	192	310	790	281	61 pc Ø12x1mm
TSHX-01-129-101-65	W-039310	Ø101.6	Ø129	DN65	DN40	192	310	777	274	61 pc Ø12x1mm
TSHX-01-129-080-65	W-039311	DN80	Ø129	DN65	DN40	192	310	790	281	61 pc Ø12x1mm
TSHX-01-129-076-65	W-039312	Ø76.1	Ø129	DN65	DN40	192	310	777	274	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-129-100-63	W-039313	DN100	Ø129	Ø63.5	Ø38	186	310	790	281	61 pc Ø12x1mm
TSHX-01-129-101-63	W-039314	Ø101.6	Ø129	Ø63.5	Ø38	186	310	777	274	61 pc Ø12x1mm
TSHX-01-129-080-63	W-039315	DN80	Ø129	Ø63.5	Ø38	186	310	790	281	61 pc Ø12x1mm
TSHX-01-129-076-63	W-039316	Ø76.1	Ø129	Ø63.5	Ø38	186	310	777	274	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-129-100-50	W-039317	DN100	Ø129	DN50	DN25	186	310	790	281	61 pc Ø12x1mm
TSHX-01-129-101-50	W-039318	Ø101.6	Ø129	DN50	DN25	186	310	777	274	61 pc Ø12x1mm
TSHX-01-129-080-50	W-039319	DN80	Ø129	DN50	DN25	186	310	790	281	61 pc Ø12x1mm
TSHX-01-129-076-50	W-039320	Ø76.1	Ø129	DN50	DN25	186	310	777	274	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-129-100-51	W-039321	DN100	Ø129	Ø51	Ø25	186	310	790	281	61 pc Ø12x1mm
TSHX-01-129-101-51	W-039322	Ø101.6	Ø129	Ø51	Ø25	186	310	777	274	61 pc Ø12x1mm
TSHX-01-129-080-51	W-039323	DN80	Ø129	Ø51	Ø25	186	310	790	281	61 pc Ø12x1mm
TSHX-01-129-076-51	W-039324	Ø76.1	Ø129	Ø51	Ø25	186	310	777	274	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-129-100-40	W-039325	DN100	Ø129	DN40	DN25	186	310	790	281	61 pc Ø12x1mm
TSHX-01-129-101-40	W-039326	Ø101.6	Ø129	DN40	DN25	186	310	777	274	61 pc Ø12x1mm
TSHX-01-129-080-40	W-039327	DN80	Ø129	DN40	DN25	186	310	790	281	61 pc Ø12x1mm
TSHX-01-129-076-40	W-039328	Ø76.1	Ø129	DN40	DN25	186	310	777	274	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-129-100-38	W-039329	DN100	Ø129	Ø38	Ø25	186	310	790	281	61 pc Ø12x1mm
TSHX-01-129-101-38	W-039330	Ø101.6	Ø129	Ø38	Ø25	186	310	777	274	61 pc Ø12x1mm
TSHX-01-129-080-38	W-039331	DN80	Ø129	Ø38	Ø25	186	310	790	281	61 pc Ø12x1mm
TSHX-01-129-076-38	W-039332	Ø76.1	Ø129	Ø38	Ø25	186	310	777	274	61 pc Ø12x1mm



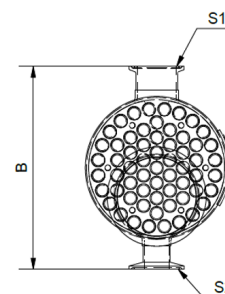
All dimensions in millimeters.



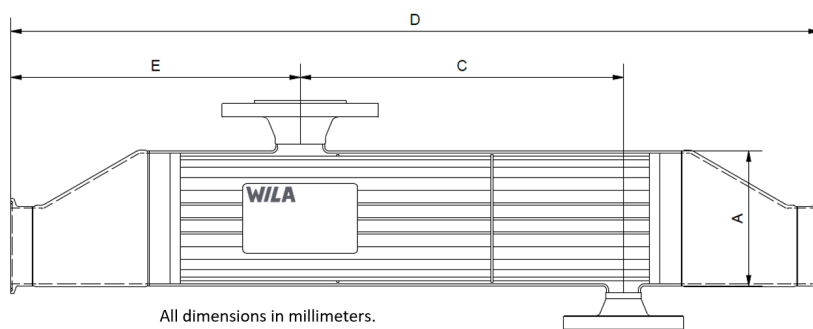
TSHX-01-129-40-F		40 barg / 85°C		10 bar[g] / 185°C			Maximum pressure / temperature			
		Volume 6 liters		Volume 2.5 liters			316L Eccentric		Dry weight 15 kg	
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-129-100-82F	W-039397	DN100	Ø129	DN80	DN40	229	310	790	281	61 pc Ø12x1mm
TSHX-01-129-101-82F	W-039398	Ø101.6	Ø129	DN80	DN40	229	310	777	274	61 pc Ø12x1mm
TSHX-01-129-080-82F	W-039399	DN80	Ø129	DN80	DN40	229	310	790	281	61 pc Ø12x1mm
TSHX-01-129-076-82F	W-039400	Ø76.1	Ø129	DN80	DN40	229	310	777	274	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-129-100-70F	W-039401	DN100	Ø129	DN65	DN40	224	310	790	281	61 pc Ø12x1mm
TSHX-01-129-101-70F	W-039402	Ø101.6	Ø129	DN65	DN40	224	310	777	274	61 pc Ø12x1mm
TSHX-01-129-080-70F	W-039403	DN80	Ø129	DN65	DN40	224	310	790	281	61 pc Ø12x1mm
TSHX-01-129-076-70F	W-039404	Ø76.1	Ø129	DN65	DN40	224	310	777	274	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-129-100-54F	W-039405	DN100	Ø129	DN50	DN25	221	310	790	281	61 pc Ø12x1mm
TSHX-01-129-101-54F	W-039406	Ø101.6	Ø129	DN50	DN25	221	310	777	274	61 pc Ø12x1mm
TSHX-01-129-080-54F	W-039407	DN80	Ø129	DN50	DN25	221	310	790	281	61 pc Ø12x1mm
TSHX-01-129-076-54F	W-039408	Ø76.1	Ø129	DN50	DN25	221	310	777	274	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-129-100-43F	W-039409	DN100	Ø129	DN40	DN25	218	310	790	281	61 pc Ø12x1mm
TSHX-01-129-101-43F	W-039410	Ø101.6	Ø129	DN40	DN25	218	310	777	274	61 pc Ø12x1mm
TSHX-01-129-080-43F	W-039411	DN80	Ø129	DN40	DN25	218	310	790	281	61 pc Ø12x1mm
TSHX-01-129-076-43F	W-039412	Ø76.1	Ø129	DN40	DN25	218	310	777	274	61 pc Ø12x1mm



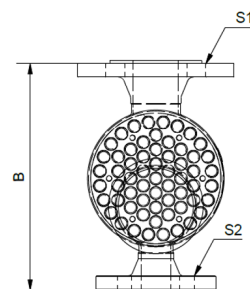
All dimensions in millimeters.



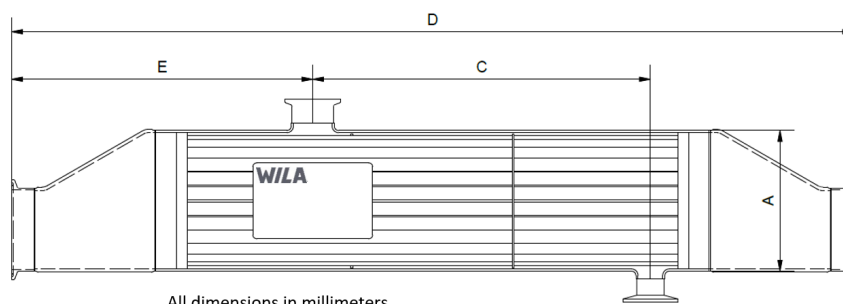
TSHX-02-129-40		40 barg / 85°C		8 bar[g] / 176°C			Maximum pressure / temperature			
		Volume 8.5 liters		Volume 5 liters			316L Eccentric		Dry weight 26 kg	
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-129-100-80	W-039333	DN100	Ø129	DN80	DN40	192	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-101-80	W-039334	Ø101.6	Ø129	DN80	DN40	192	655	1257	410	61 pc Ø12x1mm
TSHX-02-129-080-80	W-039335	DN80	Ø129	DN80	DN40	192	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-076-80	W-039336	Ø76.1	Ø129	DN80	DN40	192	655	1257	410	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-129-100-76	W-039337	DN100	Ø129	Ø76.1	Ø38	186	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-101-76	W-039338	Ø101.6	Ø129	Ø76.1	Ø38	186	655	1257	410	61 pc Ø12x1mm
TSHX-02-129-080-76	W-039339	DN80	Ø129	Ø76.1	Ø38	186	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-076-76	W-039340	Ø76.1	Ø129	Ø76.1	Ø38	186	655	1257	410	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-129-100-65	W-039341	DN100	Ø129	DN65	DN40	192	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-101-65	W-039342	Ø101.6	Ø129	DN65	DN40	192	655	1257	410	61 pc Ø12x1mm
TSHX-02-129-080-65	W-039343	DN80	Ø129	DN65	DN40	192	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-076-65	W-039344	Ø76.1	Ø129	DN65	DN40	192	655	1257	410	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-129-100-63	W-039345	DN100	Ø129	Ø63.5	Ø38	186	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-101-63	W-039346	Ø101.6	Ø129	Ø63.5	Ø38	186	655	1257	410	61 pc Ø12x1mm
TSHX-02-129-080-63	W-039347	DN80	Ø129	Ø63.5	Ø38	186	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-076-63	W-039348	Ø76.1	Ø129	Ø63.5	Ø38	186	655	1257	410	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-129-100-50	W-039349	DN100	Ø129	DN50	DN25	186	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-101-50	W-039350	Ø101.6	Ø129	DN50	DN25	186	655	1257	410	61 pc Ø12x1mm
TSHX-02-129-080-50	W-039351	DN80	Ø129	DN50	DN25	186	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-076-50	W-039352	Ø76.1	Ø129	DN50	DN25	186	655	1257	410	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-129-100-51	W-039353	DN100	Ø129	Ø51	Ø25	186	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-101-51	W-039354	Ø101.6	Ø129	Ø51	Ø25	186	655	1257	410	61 pc Ø12x1mm
TSHX-02-129-080-51	W-039355	DN80	Ø129	Ø51	Ø25	186	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-076-51	W-039356	Ø76.1	Ø129	Ø51	Ø25	186	655	1257	410	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-129-100-40	W-039357	DN100	Ø129	DN40	DN25	186	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-101-40	W-039358	Ø101.6	Ø129	DN40	DN25	186	655	1257	410	61 pc Ø12x1mm
TSHX-02-129-080-40	W-039359	DN80	Ø129	DN40	DN25	186	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-076-40	W-039360	Ø76.1	Ø129	DN40	DN25	186	655	1257	410	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	DN25	B	C	D	E	Tube bank
TSHX-02-129-100-38	W-039361	DN100	Ø129	Ø38	Ø25	186	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-101-38	W-039362	Ø101.6	Ø129	Ø38	Ø25	186	655	1257	410	61 pc Ø12x1mm
TSHX-02-129-080-38	W-039363	DN80	Ø129	Ø38	Ø25	186	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-076-38	W-039364	Ø76.1	Ø129	Ø38	Ø25	186	655	1257	410	61 pc Ø12x1mm



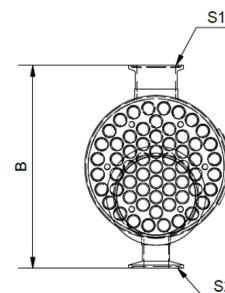
All dimensions in millimeters.



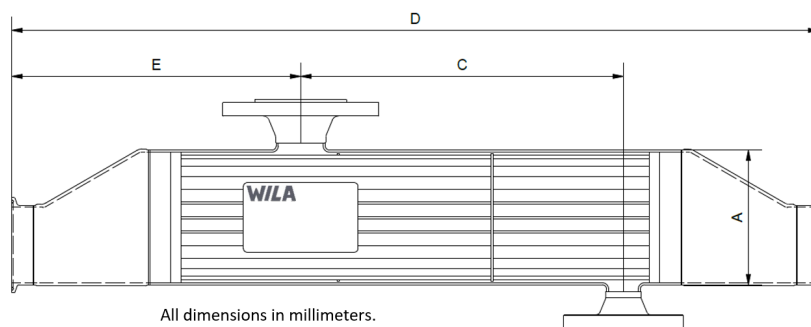
TSHX-02-129-40-F		40 barg / 85°C		8 bar[g] / 176°C			Maximum pressure / temperature			
		Volume 8.5 liters		Volume 5 liters			316L Eccentric		Dry weight 26 kg	
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-129-100-82F	W-039413	DN100	Ø129	DN80	DN40	229	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-101-82F	W-039414	Ø101.6	Ø129	DN80	DN40	229	655	1257	410	61 pc Ø12x1mm
TSHX-02-129-080-82F	W-039415	DN80	Ø129	DN80	DN40	229	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-076-82F	W-039416	Ø76.1	Ø129	DN80	DN40	229	655	1257	410	61 pc Ø12x1mm
Stock number	Drawing number	PI/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-129-100-70F	W-039417	DN100	Ø129	DN65	DN40	224	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-101-70F	W-039418	Ø101.6	Ø129	DN65	DN40	224	655	1257	410	61 pc Ø12x1mm
TSHX-02-129-080-70F	W-039419	DN80	Ø129	DN65	DN40	224	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-076-70F	W-039420	Ø76.1	Ø129	DN65	DN40	224	655	1257	410	61 pc Ø12x1mm
Stock number	Drawing number	PI/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-129-100-54F	W-039421	DN100	Ø129	DN50	DN25	221	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-101-54F	W-039422	Ø101.6	Ø129	DN50	DN25	221	655	1257	410	61 pc Ø12x1mm
TSHX-02-129-080-54F	W-039423	DN80	Ø129	DN50	DN25	221	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-076-54F	W-039424	Ø76.1	Ø129	DN50	DN25	221	655	1257	410	61 pc Ø12x1mm
Stock number	Drawing number	PI/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-129-100-43F	W-039425	DN100	Ø129	DN40	DN25	218	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-101-43F	W-039426	Ø101.6	Ø129	DN40	DN25	218	655	1257	410	61 pc Ø12x1mm
TSHX-02-129-080-43F	W-039427	DN80	Ø129	DN40	DN25	218	655	1270	416	61 pc Ø12x1mm
TSHX-02-129-076-43F	W-039428	Ø76.1	Ø129	DN40	DN25	218	655	1257	410	61 pc Ø12x1mm



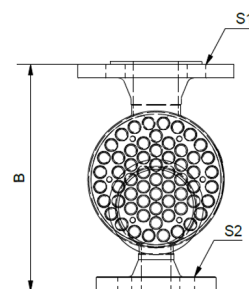
All dimensions in millimeters.



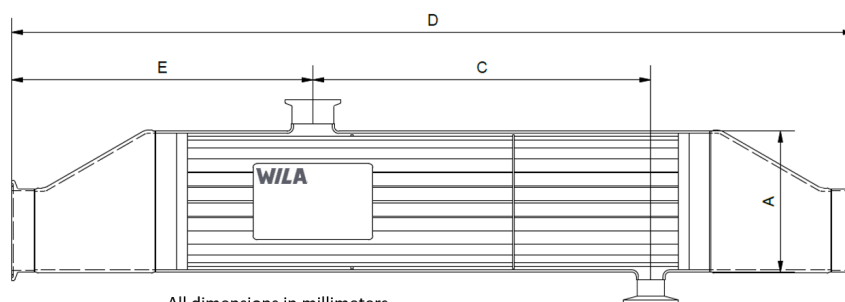
TSHX-03-129-40		40 barg / 85°C		6 bar[g] / 165°C			Maximum pressure / temperature			
		Volume 10 liters		Volume 7.5 liters			316L Eccentric		Dry weight 38 kg	
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-129-100-80	W-039365	DN100	Ø129	DN80	DN40	192	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-101-80	W-039366	Ø101.6	Ø129	DN80	DN40	192	1020	1757	540	61 pc Ø12x1mm
TSHX-03-129-080-80	W-034428	DN80	Ø129	DN80	DN40	192	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-076-80	W-039368	Ø76.1	Ø129	DN80	DN40	192	1020	1757	540	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-129-100-76	W-039369	DN100	Ø129	Ø76.1	Ø38	186	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-101-76	W-039370	Ø101.6	Ø129	Ø76.1	Ø38	186	1020	1757	540	61 pc Ø12x1mm
TSHX-03-129-080-76	W-039371	DN80	Ø129	Ø76.1	Ø38	186	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-076-76	W-039372	Ø76.1	Ø129	Ø76.1	Ø38	186	1020	1757	540	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-129-100-65	W-039373	DN100	Ø129	DN65	DN40	192	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-101-65	W-039374	Ø101.6	Ø129	DN65	DN40	192	1020	1757	540	61 pc Ø12x1mm
TSHX-03-129-080-65	W-039375	DN80	Ø129	DN65	DN40	192	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-076-65	W-039376	Ø76.1	Ø129	DN65	DN40	192	1020	1757	540	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-129-100-63	W-039377	DN100	Ø129	Ø63.5	Ø38	186	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-101-63	W-039378	Ø101.6	Ø129	Ø63.5	Ø38	186	1020	1757	540	61 pc Ø12x1mm
TSHX-03-129-080-63	W-039379	DN80	Ø129	Ø63.5	Ø38	186	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-076-63	W-039380	Ø76.1	Ø129	Ø63.5	Ø38	186	1020	1757	540	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-129-100-50	W-039381	DN100	Ø129	DN50	DN25	186	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-101-50	W-039382	Ø101.6	Ø129	DN50	DN25	186	1020	1757	540	61 pc Ø12x1mm
TSHX-03-129-080-50	W-039383	DN80	Ø129	DN50	DN25	186	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-076-50	W-039384	Ø76.1	Ø129	DN50	DN25	186	1020	1757	540	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-129-100-51	W-039385	DN100	Ø129	Ø51	Ø25	186	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-101-51	W-039386	Ø101.6	Ø129	Ø51	Ø25	186	1020	1757	540	61 pc Ø12x1mm
TSHX-03-129-080-51	W-039387	DN80	Ø129	Ø51	Ø25	186	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-076-51	W-039388	Ø76.1	Ø129	Ø51	Ø25	186	1020	1757	540	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-129-100-40	W-039389	DN100	Ø129	DN40	DN25	186	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-101-40	W-039390	Ø101.6	Ø129	DN40	DN25	186	1020	1757	540	61 pc Ø12x1mm
TSHX-03-129-080-40	W-039391	DN80	Ø129	DN40	DN25	186	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-076-40	W-039392	Ø76.1	Ø129	DN40	DN25	186	1020	1757	540	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-129-100-38	W-039393	DN100	Ø129	Ø38	Ø25	186	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-101-38	W-039394	Ø101.6	Ø129	Ø38	Ø25	186	1020	1757	540	61 pc Ø12x1mm
TSHX-03-129-080-38	W-039395	DN80	Ø129	Ø38	Ø25	186	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-076-38	W-039396	Ø76.1	Ø129	Ø38	Ø25	186	1020	1757	540	61 pc Ø12x1mm



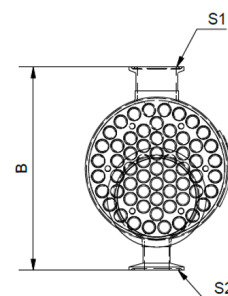
All dimensions in millimeters.



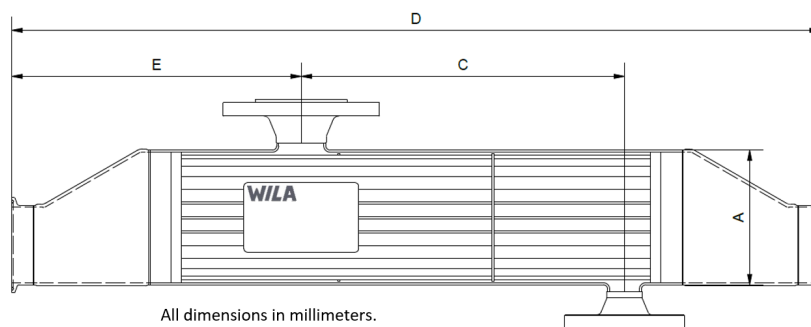
TSHX-03-129-40-F		40 barg / 85°C		6 bar[g] / 165°C			Maximum pressure / temperature			
		Volume 10 liters		Volume 7.5 liters			316L Eccentric		Dry weight 38 kg	
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-129-100-82F	W-039429	DN100	Ø129	DN80	DN40	229	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-101-82F	W-039430	Ø101.6	Ø129	DN80	DN40	229	1020	1757	540	61 pc Ø12x1mm
TSHX-03-129-080-82F	W-039431	DN80	Ø129	DN80	DN40	229	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-076-82F	W-039432	Ø76.1	Ø129	DN80	DN40	229	1020	1757	540	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-129-100-70F	W-039433	DN100	Ø129	DN65	DN40	224	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-101-70F	W-039434	Ø101.6	Ø129	DN65	DN40	224	1020	1757	540	61 pc Ø12x1mm
TSHX-03-129-080-70F	W-039435	DN80	Ø129	DN65	DN40	224	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-076-70F	W-039436	Ø76.1	Ø129	DN65	DN40	224	1020	1757	540	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-129-100-54F	W-039437	DN100	Ø129	DN50	DN25	221	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-101-54F	W-039438	Ø101.6	Ø129	DN50	DN25	221	1020	1757	540	61 pc Ø12x1mm
TSHX-03-129-080-54F	W-039439	DN80	Ø129	DN50	DN25	221	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-076-54F	W-039440	Ø76.1	Ø129	DN50	DN25	221	1020	1757	540	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-129-100-43F	W-039441	DN100	Ø129	DN40	DN25	218	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-101-43F	W-039442	Ø101.6	Ø129	DN40	DN25	218	1020	1757	540	61 pc Ø12x1mm
TSHX-03-129-080-43F	W-039443	DN80	Ø129	DN40	DN25	218	1020	1770	546	61 pc Ø12x1mm
TSHX-03-129-076-43F	W-039444	Ø76.1	Ø129	DN40	DN25	218	1020	1757	540	61 pc Ø12x1mm



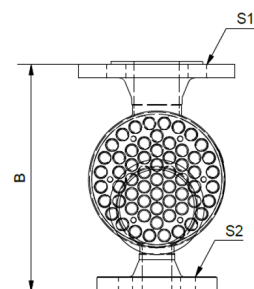
All dimensions in millimeters.



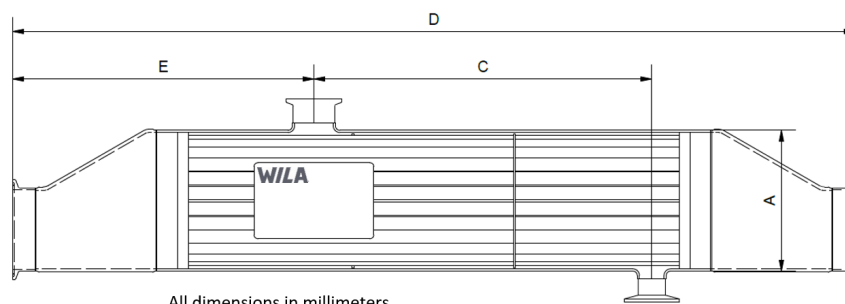
TSHX-01-209-40		40 barg / 85°C		10 bar[g] / 185°C			Maximum pressure / temperature			
		Volume 13 liters		Volume 3 liters			316L Eccentric		Dry weight 22 kg	
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-209-150-51	W-039445	DN150	Ø209	Ø51	DN25	266	90	603	264	163 pc Ø12x1mm
TSHX-01-209-125-51	W-039446	DN125	Ø209	Ø51	DN25	266	90	603	264	163 pc Ø12x1mm
TSHX-01-209-100-51	W-039447	DN100	Ø209	Ø51	DN25	266	90	603	264	163 pc Ø12x1mm
TSHX-01-209-101-51	W-039448	Ø101.6	Ø209	Ø51	DN25	266	90	590	258	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-209-150-38	W-039449	DN150	Ø209	Ø38	Ø25	266	90	603	264	163 pc Ø12x1mm
TSHX-01-209-125-38	W-039450	DN125	Ø209	Ø38	Ø25	266	90	603	264	163 pc Ø12x1mm
TSHX-01-209-100-38	W-039451	DN100	Ø209	Ø38	Ø25	266	90	603	264	163 pc Ø12x1mm
TSHX-01-209-101-38	W-039452	Ø101.6	Ø209	Ø38	Ø25	266	90	590	258	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-209-150-50	W-039453	DN150	Ø209	DN50	DN25	266	90	603	264	163 pc Ø12x1mm
TSHX-01-209-125-50	W-039454	DN125	Ø209	DN50	DN25	266	90	603	264	163 pc Ø12x1mm
TSHX-01-209-100-50	W-039455	DN100	Ø209	DN50	DN25	266	90	603	264	163 pc Ø12x1mm
TSHX-01-209-101-50	W-039456	Ø101.6	Ø209	DN50	DN25	266	90	590	258	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-01-209-150-40	W-039457	DN150	Ø209	DN40	Ø25	266	90	603	264	163 pc Ø12x1mm
TSHX-01-209-125-40	W-039458	DN125	Ø209	DN40	Ø25	266	90	603	264	163 pc Ø12x1mm
TSHX-01-209-100-40	W-039459	DN100	Ø209	DN40	Ø25	266	90	603	264	163 pc Ø12x1mm
TSHX-01-209-101-40	W-039460	Ø101.6	Ø209	DN40	Ø25	266	90	590	258	163 pc Ø12x1mm



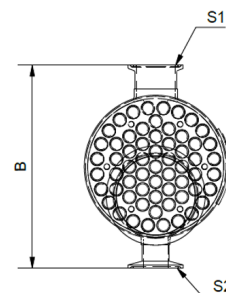
All dimensions in millimeters.



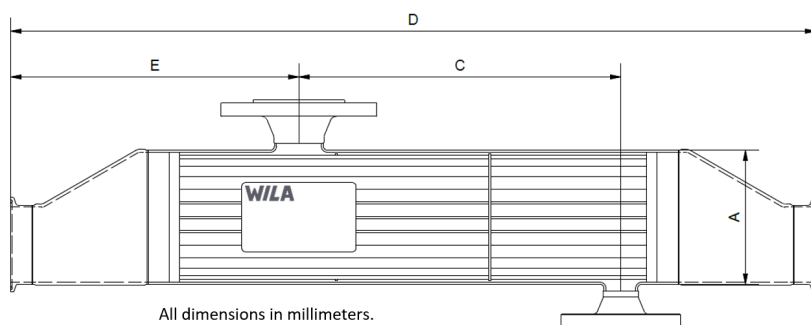
TSHX-01-209-40-F		40 barg / 85°C		10 bar[g] / 185°C			Maximum pressure / temperature			
		Volume 13 liters		Volume 3 liters			316L Eccentric		Dry weight 22 kg	
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Number of pipes
TSHX-01-209-150-54F	W-039624	DN150	Ø209	DN50	DN25	301	90	603	264	163 pc Ø12x1mm
TSHX-01-209-125-54F	W-039625	DN125	Ø209	DN50	DN25	301	90	603	264	163 pc Ø12x1mm
TSHX-01-209-100-54F	W-039626	DN100	Ø209	DN50	DN25	301	90	603	264	163 pc Ø12x1mm
TSHX-01-209-101-54F	W-039627	Ø101.6	Ø209	DN50	DN25	301	90	590	258	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Number of pipes
TSHX-01-209-150-43F	W-039628	DN150	Ø209	DN40	DN25	298	90	603	264	163 pc Ø12x1mm
TSHX-01-209-125-43F	W-039629	DN125	Ø209	DN40	DN25	298	90	603	264	163 pc Ø12x1mm
TSHX-01-209-100-43F	W-039630	DN100	Ø209	DN40	DN25	298	90	603	264	163 pc Ø12x1mm
TSHX-01-209-101-43F	W-039631	Ø101.6	Ø209	DN40	DN25	298	90	590	258	163 pc Ø12x1mm



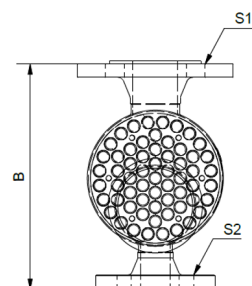
All dimensions in millimeters.



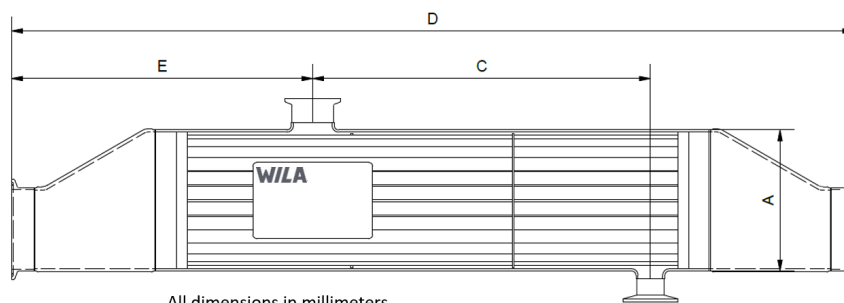
TSHX-02-209-40		40 barg / 85°C		8 bar[g] / 176°C			Maximum pressure / temperature			
		Volume 13.5 liters		Volume 5.5 liters			316L Eccentric		Dry weight 32 kg	
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-209-150-80	W-039461	DN150	Ø209	DN80	DN40	272	255	788	284	163 pc Ø12x1mm
TSHX-02-209-125-80	W-039462	DN125	Ø209	DN80	DN40	272	255	788	284	163 pc Ø12x1mm
TSHX-02-209-100-80	W-039463	DN100	Ø209	DN80	DN40	272	255	788	284	163 pc Ø12x1mm
TSHX-02-209-101-80	W-039464	Ø101.6	Ø209	DN80	DN40	272	255	775	278	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-209-150-76	W-039465	DN150	Ø209	Ø76,1	Ø38	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-125-76	W-039466	DN125	Ø209	Ø76,1	Ø38	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-100-76	W-039467	DN100	Ø209	Ø76,1	Ø38	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-101-76	W-039468	Ø101.6	Ø209	Ø76,1	Ø38	266	255	775	278	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-209-150-65	W-039469	DN150	Ø209	DN65	DN40	272	255	788	284	163 pc Ø12x1mm
TSHX-02-209-125-65	W-039470	DN125	Ø209	DN65	DN40	272	255	788	284	163 pc Ø12x1mm
TSHX-02-209-100-65	W-039471	DN100	Ø209	DN65	DN40	272	255	788	284	163 pc Ø12x1mm
TSHX-02-209-101-65	W-039472	Ø101.6	Ø209	DN65	DN40	272	255	775	278	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-209-150-63	W-039473	DN150	Ø209	Ø63.5	Ø38	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-125-63	W-039474	DN125	Ø209	Ø63.5	Ø38	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-100-63	W-039475	DN100	Ø209	Ø63.5	Ø38	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-101-63	W-039476	Ø101.6	Ø209	Ø63.5	Ø38	266	255	775	278	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-209-150-50	W-039477	DN150	Ø209	DN50	DN25	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-125-50	W-039478	DN125	Ø209	DN50	DN25	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-100-50	W-039479	DN100	Ø209	DN50	DN25	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-101-50	W-039480	Ø101.6	Ø209	DN50	DN25	266	255	775	278	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-209-150-51	W-039481	DN150	Ø209	Ø51	Ø25	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-125-51	W-039482	DN125	Ø209	Ø51	Ø25	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-100-51	W-039483	DN100	Ø209	Ø51	Ø25	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-101-51	W-039484	Ø101.6	Ø209	Ø51	Ø25	266	255	775	278	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-209-150-40	W-039485	DN150	Ø209	DN40	DN25	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-125-40	W-039486	DN125	Ø209	DN40	DN25	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-100-40	W-039487	DN100	Ø209	DN40	DN25	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-101-40	W-039488	Ø101.6	Ø209	DN40	DN25	266	255	775	278	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-209-150-38	W-039489	DN150	Ø209	Ø38	Ø25	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-125-38	W-039490	DN125	Ø209	Ø38	Ø25	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-100-38	W-039491	DN100	Ø209	Ø38	Ø25	266	255	788	284	163 pc Ø12x1mm
TSHX-02-209-101-38	W-039492	Ø101.6	Ø209	Ø38	Ø25	266	255	775	278	163 pc Ø12x1mm



All dimensions in millimeters.

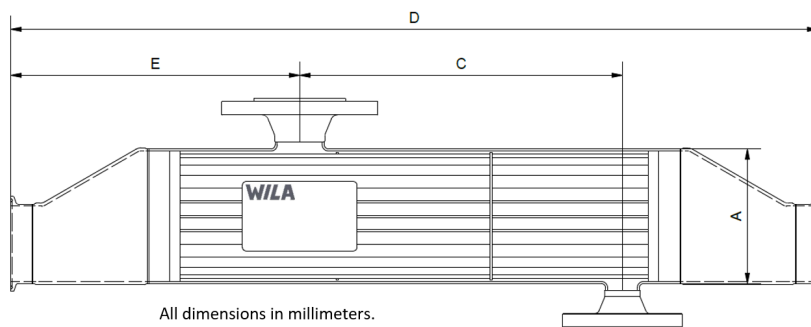


TSHX-02-209-40-F		40 barg / 85°C		8 bar[g] / 176°C		Maximum pressure / temperature				
		Volume 13.5 liters		Volume 5.5 liters		316L Eccentric		Dry weight 32 kg		
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-209-150-82F	W-039632	DN150	Ø209	DN80	DN40	309	255	788	284	163 pc Ø12x1mm
TSHX-02-209-125-82F	W-039633	DN125	Ø209	DN80	DN40	309	255	788	284	163 pc Ø12x1mm
TSHX-02-209-100-82F	W-039634	DN100	Ø209	DN80	DN40	309	255	788	284	163 pc Ø12x1mm
TSHX-02-209-101-82F	W-039635	Ø101.6	Ø209	DN80	DN40	309	255	775	278	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-209-150-70F	W-039636	DN150	Ø209	DN65	DN40	304	255	788	284	163 pc Ø12x1mm
TSHX-02-209-125-70F	W-039637	DN125	Ø209	DN65	DN40	304	255	788	284	163 pc Ø12x1mm
TSHX-02-209-100-70F	W-039638	DN100	Ø209	DN65	DN40	304	255	788	284	163 pc Ø12x1mm
TSHX-02-209-101-70F	W-039639	Ø101.6	Ø209	DN65	DN40	304	255	775	278	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-209-150-54F	W-039640	DN150	Ø209	DN50	DN25	301	255	788	284	163 pc Ø12x1mm
TSHX-02-209-125-54F	W-039641	DN125	Ø209	DN50	DN25	301	255	788	284	163 pc Ø12x1mm
TSHX-02-209-100-54F	W-039642	DN100	Ø209	DN50	DN25	301	255	788	284	163 pc Ø12x1mm
TSHX-02-209-101-54F	W-039643	Ø101.6	Ø209	DN50	DN25	301	255	775	278	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-02-209-150-43F	W-039644	DN150	Ø209	DN40	DN25	298	255	788	284	163 pc Ø12x1mm
TSHX-02-209-125-43F	W-039645	DN125	Ø209	DN40	DN25	298	255	788	284	163 pc Ø12x1mm
TSHX-02-209-100-43F	W-039646	DN100	Ø209	DN40	DN25	298	255	788	284	163 pc Ø12x1mm
TSHX-02-209-101-43F	W-039647	Ø101.6	Ø209	DN40	DN25	298	255	775	278	163 pc Ø12x1mm

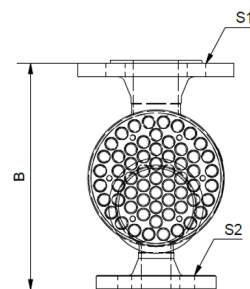


All dimensions in millimeters.

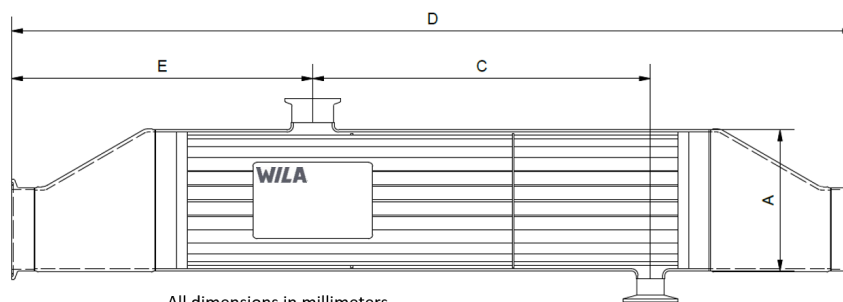
TSHX-03-209-40		40 barg / 85°C		6 bar[g] / 165°C			Maximum pressure / temperature			
		Volume 17 liters		Volume 8.3 liters			316L Eccentric		Dry weight 46 kg	
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-209-150-80	W-039493	DN150	Ø209	DN80	DN40	272	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-125-80	W-039494	DN125	Ø209	DN80	DN40	272	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-100-80	W-039495	DN100	Ø209	DN80	DN40	272	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-101-80	W-039496	Ø101.6	Ø209	DN80	DN40	272	405	995	348	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-209-150-76	W-039497	DN150	Ø209	Ø76.1	Ø38	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-125-76	W-039498	DN125	Ø209	Ø76.1	Ø38	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-100-76	W-039499	DN100	Ø209	Ø76.1	Ø38	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-101-76	W-039500	Ø101.6	Ø209	Ø76.1	Ø38	266	405	995	348	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-209-150-65	W-039501	DN150	Ø209	DN65	DN40	272	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-125-65	W-039502	DN125	Ø209	DN65	DN40	272	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-100-65	W-039503	DN100	Ø209	DN65	DN40	272	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-101-65	W-039504	Ø101.6	Ø209	DN65	DN40	272	405	995	348	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-209-150-63	W-039505	DN150	Ø209	Ø63.5	Ø38	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-125-63	W-039506	DN125	Ø209	Ø63.5	Ø38	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-100-63	W-039507	DN100	Ø209	Ø63.5	Ø38	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-101-63	W-039508	Ø101.6	Ø209	Ø63.5	Ø38	266	405	995	348	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-209-150-50	W-039509	DN150	Ø209	DN50	DN25	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-125-50	W-039510	DN125	Ø209	DN50	DN25	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-100-50	W-039511	DN100	Ø209	DN50	DN25	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-101-50	W-039512	Ø101.6	Ø209	DN50	DN25	266	405	995	348	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-209-150-51	W-039513	DN150	Ø209	Ø51	Ø25	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-125-51	W-039514	DN125	Ø209	Ø51	Ø25	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-100-51	W-039515	DN100	Ø209	Ø51	Ø25	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-101-51	W-039516	Ø101.6	Ø209	Ø51	Ø25	266	405	995	348	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-209-150-40	W-039517	DN150	Ø209	DN40	DN25	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-125-40	W-039518	DN125	Ø209	DN40	DN25	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-100-40	W-039519	DN100	Ø209	DN40	DN25	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-101-40	W-039520	Ø101.6	Ø209	DN40	DN25	266	405	995	348	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-209-150-38	W-039521	DN150	Ø209	Ø38	Ø25	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-125-38	W-039522	DN125	Ø209	Ø38	Ø25	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-100-38	W-039523	DN100	Ø209	Ø38	Ø25	266	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-101-38	W-039524	Ø101.6	Ø209	Ø38	Ø25	266	405	995	348	163 pc Ø12x1mm



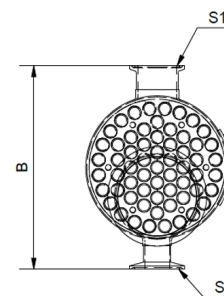
All dimensions in millimeters.



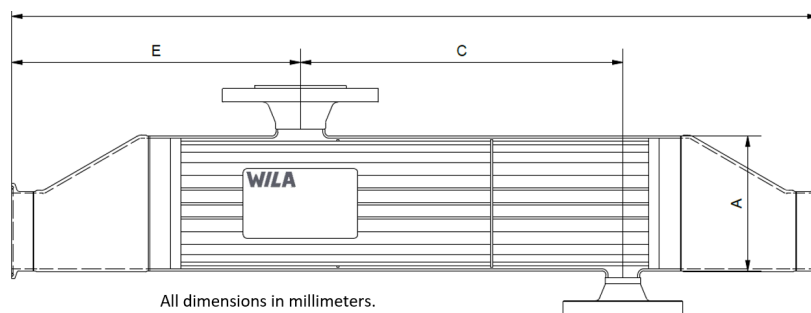
TSHX-03-209-40-F		40 barg / 85°C		6 bar[g] / 165°C			Maximum pressure / temperature			
		Volume 17 liters		Volume 8.3 liters			316L Eccentric		Dry weight 46 kg	
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-209-150-82F	W-039648	DN150	Ø209	DN80	DN40	309	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-125-82F	W-039649	DN125	Ø209	DN80	DN40	309	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-100-82F	W-039650	DN100	Ø209	DN80	DN40	309	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-101-82F	W-039651	Ø101.6	Ø209	DN80	DN40	309	405	995	348	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-209-150-70F	W-039652	DN150	Ø209	DN65	DN40	304	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-125-70F	W-039653	DN125	Ø209	DN65	DN40	304	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-100-70F	W-039654	DN100	Ø209	DN65	DN40	304	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-101-70F	W-039655	Ø101.6	Ø209	DN65	DN40	304	405	995	348	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-209-150-54F	W-039656	DN150	Ø209	DN50	DN25	301	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-125-54F	W-039657	DN125	Ø209	DN50	DN25	301	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-100-54F	W-039658	DN100	Ø209	DN50	DN25	301	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-101-54F	W-039659	Ø101.6	Ø209	DN50	DN25	301	405	995	348	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-03-209-150-43F	W-039660	DN150	Ø209	DN40	DN25	298	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-125-43F	W-039661	DN125	Ø209	DN40	DN25	298	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-100-43F	W-039662	DN100	Ø209	DN40	DN25	298	405	1008	354	163 pc Ø12x1mm
TSHX-03-209-101-43F	W-039663	Ø101.6	Ø209	DN40	DN25	298	405	995	348	163 pc Ø12x1mm



All dimensions in millimeters.

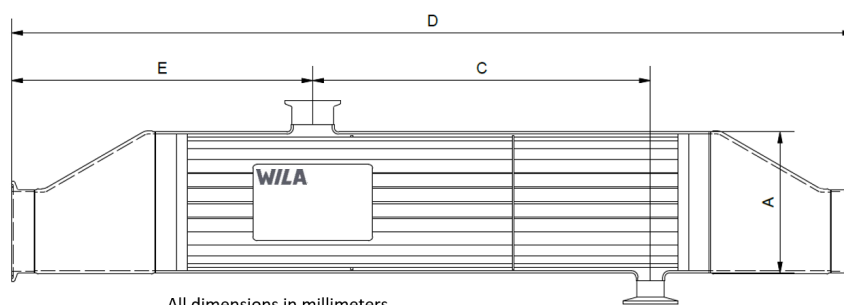


TSHX-04-209-40		40 barg / 85°C		4 bar[g] / 152°C			Maximum pressure / temperature			
		Volume 20 liters		Volume 10.5 liters			316L Eccentric		Dry weight 56 kg	
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-04-209-150-80	W-039525	DN150	Ø209	DN80	DN40	272	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-125-80	W-039526	DN125	Ø209	DN80	DN40	272	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-100-80	W-039527	DN100	Ø209	DN80	DN40	272	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-101-80	W-039528	Ø101.6	Ø209	DN80	DN40	272	500	1142	400	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-04-209-150-76	W-039529	DN150	Ø209	Ø76.1	Ø38	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-125-76	W-039530	DN125	Ø209	Ø76.1	Ø38	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-100-76	W-039531	DN100	Ø209	Ø76.1	Ø38	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-101-76	W-039532	Ø101.6	Ø209	Ø76.1	Ø38	266	500	1142	400	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-04-209-150-65	W-039533	DN150	Ø209	DN65	DN40	272	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-125-65	W-039534	DN125	Ø209	DN65	DN40	272	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-100-65	W-039535	DN100	Ø209	DN65	DN40	272	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-101-65	W-039536	Ø101.6	Ø209	DN65	DN40	272	500	1142	400	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-04-209-150-63	W-039537	DN150	Ø209	Ø63.5	Ø38	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-125-63	W-039538	DN125	Ø209	Ø63.5	Ø38	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-100-63	W-039539	DN100	Ø209	Ø63.5	Ø38	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-101-63	W-039540	Ø101.6	Ø209	Ø63.5	Ø38	266	500	1142	400	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-04-209-150-50	W-039541	DN150	Ø209	DN50	DN25	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-125-50	W-039542	DN125	Ø209	DN50	DN25	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-100-50	W-039543	DN100	Ø209	DN50	DN25	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-101-50	W-039544	Ø101.6	Ø209	DN50	DN25	266	500	1142	400	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-04-209-150-51	W-039545	DN150	Ø209	Ø51	Ø25	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-125-51	W-039546	DN125	Ø209	Ø51	Ø25	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-100-51	W-039547	DN100	Ø209	Ø51	Ø25	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-101-51	W-039548	Ø101.6	Ø209	Ø51	Ø25	266	500	1142	400	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-04-209-150-40	W-039552	DN150	Ø209	DN40	DN25	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-125-40	W-039553	DN125	Ø209	DN40	DN25	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-100-40	W-039554	DN100	Ø209	DN40	DN25	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-101-40	W-039555	Ø101.6	Ø209	DN40	DN25	266	500	1142	400	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-04-209-150-38	W-039556	DN150	Ø209	Ø38	Ø25	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-125-38	W-039557	DN125	Ø209	Ø38	Ø25	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-100-38	W-039558	DN100	Ø209	Ø38	Ø25	266	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-101-38	W-039559	Ø101.6	Ø209	Ø38	Ø25	266	500	1142	400	163 pc Ø12x1mm

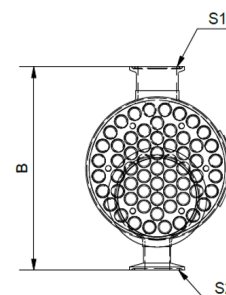


All dimensions in millimeters.

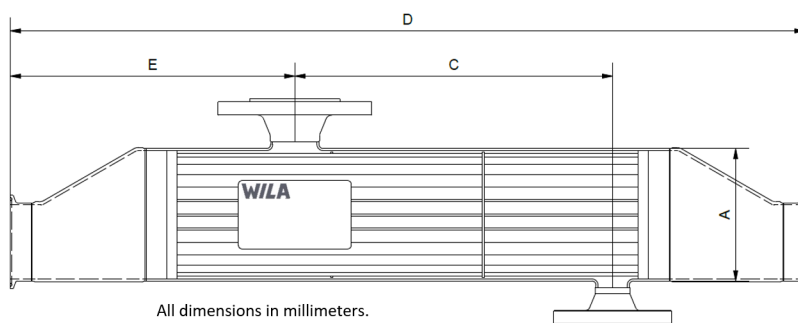
TSHX-04-209-40-F		40 barg / 85°C		4 bar[g] / 152°C			Maximum pressure / temperature			
		Volume 20 liters		Volume 10.5 liters			316L Eccentric		Dry weight 56 kg	
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-04-209-150-82F	W-039664	DN150	Ø209	DN80	DN40	309	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-125-82F	W-039665	DN125	Ø209	DN80	DN40	309	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-100-82F	W-039666	DN100	Ø209	DN80	DN40	309	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-101-82F	W-039667	Ø101.6	Ø209	DN80	DN40	309	500	1142	400	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-04-209-150-70F	W-039668	DN150	Ø209	DN65	DN40	304	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-125-70F	W-039669	DN125	Ø209	DN65	DN40	304	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-100-70F	W-039670	DN100	Ø209	DN65	DN40	304	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-101-70F	W-039671	Ø101.6	Ø209	DN65	DN40	304	500	1142	400	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-04-209-150-54F	W-039672	DN150	Ø209	DN50	DN25	301	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-125-54F	W-039673	DN125	Ø209	DN50	DN25	301	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-100-54F	W-039674	DN100	Ø209	DN50	DN25	301	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-101-54F	W-039675	Ø101.6	Ø209	DN50	DN25	301	500	1142	400	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-04-209-150-43F	W-039676	DN150	Ø209	DN40	DN25	298	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-125-43F	W-039677	DN125	Ø209	DN40	DN25	298	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-100-43F	W-039678	DN100	Ø209	DN40	DN25	298	500	1155	406	163 pc Ø12x1mm
TSHX-04-209-101-43F	W-039679	Ø101.6	Ø209	DN40	DN25	298	500	1142	400	163 pc Ø12x1mm



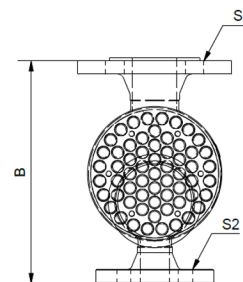
All dimensions in millimeters.



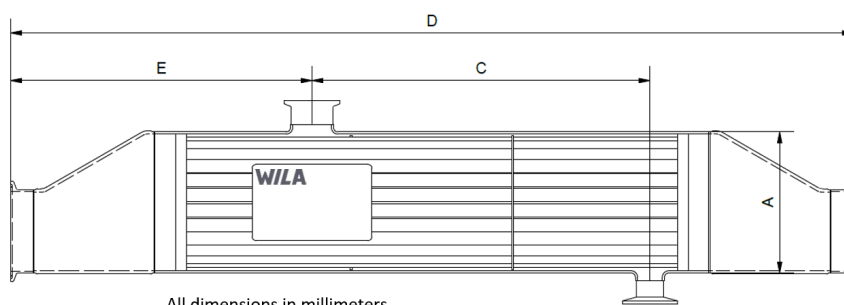
TSHX-06-209-40		40 barg / 85°C		3 bar[g] / 144°C		Maximum pressure / temperature				
		Volume 25 liters		Volume 15.5 liters		316L Eccentric		Dry weight 79 kg		
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-06-209-150-80	W-039560	DN150	Ø209	DN80	DN40	272	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-125-80	W-039561	DN125	Ø209	DN80	DN40	272	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-100-80	W-039562	DN100	Ø209	DN80	DN40	272	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-101-80	W-039563	Ø101.6	Ø209	DN80	DN40	272	685	1522	595	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-06-209-150-76	W-039564	DN150	Ø209	Ø76.1	Ø38	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-125-76	W-039565	DN125	Ø209	Ø76.1	Ø38	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-100-76	W-039566	DN100	Ø209	Ø76.1	Ø38	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-101-76	W-039567	Ø101.6	Ø209	Ø76.1	Ø38	266	685	1522	595	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-06-209-150-65	W-039568	DN150	Ø209	DN65	DN40	272	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-125-65	W-039569	DN125	Ø209	DN65	DN40	272	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-100-65	W-039570	DN100	Ø209	DN65	DN40	272	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-101-65	W-039571	Ø101.6	Ø209	DN65	DN40	272	685	1522	595	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-06-209-150-63	W-039572	DN150	Ø209	Ø63.5	Ø38	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-125-63	W-039573	DN125	Ø209	Ø63.5	Ø38	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-100-63	W-039574	DN100	Ø209	Ø63.5	Ø38	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-101-63	W-039575	Ø101.6	Ø209	Ø63.5	Ø38	266	685	1522	595	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-06-209-150-50	W-039576	DN150	Ø209	DN50	DN25	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-125-50	W-039577	DN125	Ø209	DN50	DN25	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-100-50	W-039578	DN100	Ø209	DN50	DN25	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-101-50	W-039579	Ø101.6	Ø209	DN50	DN25	266	685	1522	595	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-06-209-150-51	W-039580	DN150	Ø209	Ø51	Ø25	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-125-51	W-039581	DN125	Ø209	Ø51	Ø25	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-100-51	W-039582	DN100	Ø209	Ø51	Ø25	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-101-51	W-039583	Ø101.6	Ø209	Ø51	Ø25	266	685	1522	595	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-06-209-150-40	W-039584	DN150	Ø209	DN40	DN25	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-125-40	W-039585	DN125	Ø209	DN40	DN25	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-100-40	W-039586	DN100	Ø209	DN40	DN25	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-101-40	W-039587	Ø101.6	Ø209	DN40	DN25	266	685	1522	595	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-06-209-150-38	W-039588	DN150	Ø209	Ø38	Ø25	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-125-38	W-039589	DN125	Ø209	Ø38	Ø25	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-100-38	W-039590	DN100	Ø209	Ø38	Ø25	266	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-101-38	W-039591	Ø101.6	Ø209	Ø38	Ø25	266	685	1522	595	163 pc Ø12x1mm



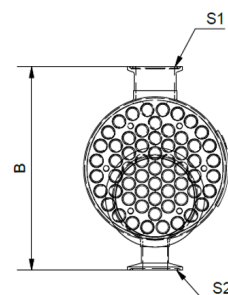
All dimensions in millimeters.



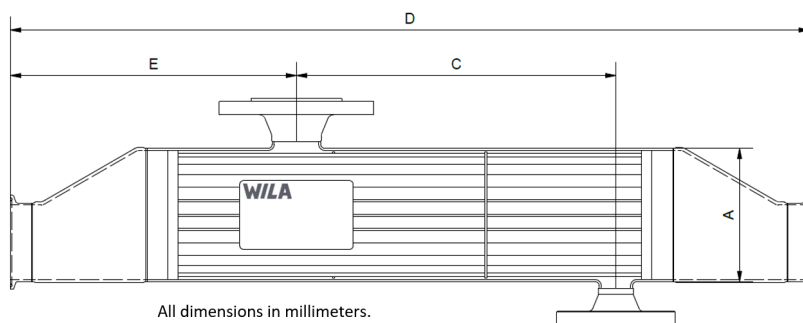
TSHX-06-209-40-F		40 barg / 85°C	3 bar[g] / 144°C	Maximum pressure / temperature						
		Volume 25 liters	Volume 15.5 liters	316L Eccentric						
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-06-209-150-82F	W-039680	DN150	Ø209	DN80	DN40	309	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-125-82F	W-039681	DN125	Ø209	DN80	DN40	309	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-100-82F	W-039682	DN100	Ø209	DN80	DN40	309	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-101-82F	W-039683	Ø101.6	Ø209	DN80	DN40	309	685	1522	595	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-06-209-150-70F	W-039684	DN150	Ø209	DN65	DN40	304	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-125-70F	W-039685	DN125	Ø209	DN65	DN40	304	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-100-70F	W-039686	DN100	Ø209	DN65	DN40	304	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-101-70F	W-039687	Ø101.6	Ø209	DN65	DN40	304	685	1522	595	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-06-209-150-54F	W-039688	DN150	Ø209	DN50	DN25	301	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-125-54F	W-039689	DN125	Ø209	DN50	DN25	301	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-100-54F	W-039690	DN100	Ø209	DN50	DN25	301	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-101-54F	W-039691	Ø101.6	Ø209	DN50	DN25	301	685	1522	595	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-06-209-150-43F	W-039692	DN150	Ø209	DN40	DN25	298	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-125-43F	W-039693	DN125	Ø209	DN40	DN25	298	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-100-43F	W-039694	DN100	Ø209	DN40	DN25	298	685	1535	601	163 pc Ø12x1mm
TSHX-06-209-101-43F	W-039695	Ø101.6	Ø209	DN40	DN25	298	685	1522	595	163 pc Ø12x1mm



All dimensions in millimeters.



TSHX-08-209-40		40 barg / 85°C		2.3 bar[g] / 136°C		Maximum pressure / temperature				
		Volume 28.5 liters		Volume 21.5 liters		316L Eccentric		Dry weight 103 kg		
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-08-209-150-80	W-039592	DN150	Ø209	DN80	DN40	272	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-125-80	W-039593	DN125	Ø209	DN80	DN40	272	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-100-80	W-039594	DN100	Ø209	DN80	DN40	272	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-101-80	W-039595	Ø101.6	Ø209	DN80	DN40	272	955	1937	740	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-08-209-150-76	W-039596	DN150	Ø209	Ø76.1	Ø38	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-125-76	W-039597	DN125	Ø209	Ø76.1	Ø38	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-100-76	W-039598	DN100	Ø209	Ø76.1	Ø38	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-101-76	W-039599	Ø101.6	Ø209	Ø76.1	Ø38	266	955	1937	740	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-08-209-150-65	W-039600	DN150	Ø209	DN65	DN40	272	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-125-65	W-039601	DN125	Ø209	DN65	DN40	272	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-100-65	W-039602	DN100	Ø209	DN65	DN40	272	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-101-65	W-039603	Ø101.6	Ø209	DN65	DN40	272	955	1937	740	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-08-209-150-63	W-039604	DN150	Ø209	Ø63.5	Ø38	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-125-63	W-039605	DN125	Ø209	Ø63.5	Ø38	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-100-63	W-039606	DN100	Ø209	Ø63.5	Ø38	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-101-63	W-039607	Ø101.6	Ø209	Ø63.5	Ø38	266	955	1937	740	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-08-209-150-50	W-039608	DN150	Ø209	DN50	DN25	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-125-50	W-039609	DN125	Ø209	DN50	DN25	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-100-50	W-039610	DN100	Ø209	DN50	DN25	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-101-50	W-039611	Ø101.6	Ø209	DN50	DN25	266	955	1937	740	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-08-209-150-51	W-039612	DN150	Ø209	Ø51	Ø25	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-125-51	W-039613	DN125	Ø209	Ø51	Ø25	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-100-51	W-039614	DN100	Ø209	Ø51	Ø25	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-101-51	W-039615	Ø101.6	Ø209	Ø51	Ø25	266	955	1937	740	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-08-209-150-40	W-039616	DN150	Ø209	DN40	DN25	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-125-40	W-039617	DN125	Ø209	DN40	DN25	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-100-40	W-039618	DN100	Ø209	DN40	DN25	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-101-40	W-039619	Ø101.6	Ø209	DN40	DN25	266	955	1937	740	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-08-209-150-38	W-039620	DN150	Ø209	Ø38	Ø25	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-125-38	W-039621	DN125	Ø209	Ø38	Ø25	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-100-38	W-039622	DN100	Ø209	Ø38	Ø25	266	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-101-38	W-039623	Ø101.6	Ø209	Ø38	Ø25	266	955	1937	740	163 pc Ø12x1mm



All dimensions in millimeters.

TSHX-08-209-40-F		40 barg / 85°C		2.3 bar[g] / 136°C		Maximum pressure / temperature				
		Volume 28.5 liters		Volume 21.5 liters		316L Eccentric		Dry weight 103 kg		
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-08-209-150-82F	W-039696	DN150	Ø209	DN80	DN40	309	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-125-82F	W-039697	DN125	Ø209	DN80	DN40	309	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-100-82F	W-039698	DN100	Ø209	DN80	DN40	309	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-101-82F	W-039699	Ø101.6	Ø209	DN80	DN40	309	955	1937	740	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-08-209-150-70F	W-039700	DN150	Ø209	DN65	DN40	304	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-125-70F	W-039701	DN125	Ø209	DN65	DN40	304	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-100-70F	W-039702	DN100	Ø209	DN65	DN40	304	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-101-70F	W-039703	Ø101.6	Ø209	DN65	DN40	304	955	1937	740	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-08-209-150-54F	W-039704	DN150	Ø209	DN50	DN25	301	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-125-54F	W-039705	DN125	Ø209	DN50	DN25	301	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-100-54F	W-039706	DN100	Ø209	DN50	DN25	301	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-101-54F	W-039707	Ø101.6	Ø209	DN50	DN25	301	955	1937	740	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1	S2	B	C	D	E	Tube bank
TSHX-08-209-150-43F	W-039708	DN150	Ø209	DN40	DN25	298	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-125-43F	W-039709	DN125	Ø209	DN40	DN25	298	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-100-43F	W-039710	DN100	Ø209	DN40	DN25	298	955	1950	746	163 pc Ø12x1mm
TSHX-08-209-101-43F	W-039711	Ø101.6	Ø209	DN40	DN25	298	955	1937	740	163 pc Ø12x1mm