

TUBULAR HEAT EXCHANGER

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



Dimensions overview for type Ø129 & ø209 - 40 bar[g]

Tubular heat exchangers 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.



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Introduction

This overview is for Tubular Heat Exchangers manufactured by Wila A/S under the category "THEXA" 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 fluid to fluid heat transfer, **either** cooling or heating 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 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 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 $\varnothing 129 \times 2\text{mm}$ shell or a $\varnothing 209 \times 3\text{mm}$ 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).
- 3-A Sanitary Standards 00-01 / 12-08

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.

THEXA-xx-xxx-40

THEXA **T**ubular **H**eat **E**xchanger with eccentric product side reducer with **3A** certificate
 xx .5, 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 pressures up to 40 bar

* Other versions are available

THEXA-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	DN100 - DN80	In accordance with DIN 32676-A
Ø129mm	4" (Ø101.6) - 3" (Ø76.1)	In accordance with ISO 2852-2
Ø209mm	DN150 - DN125 - DN100	in accordance with DIN 32676-A
Ø209mm	4" (Ø101.6)	in accordance with ISO 2852-2

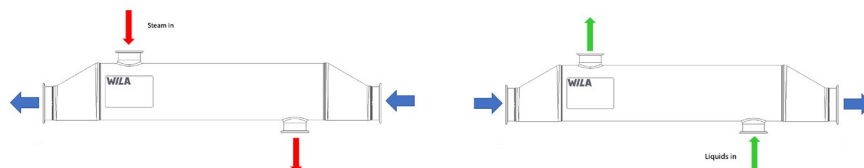
Shell side (S1 and S2) connections, both Ø129 and Ø209 are:

DN50 - DN40	in accordance with DIN 32676-A
2" (Ø51) - 1.5" (Ø38)	in accordance with ISO 2852-2

For both tube and shell sides other connection 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. For liquids, the outlet should be at the highest point to ensure complete removal of air in the chamber.



Service side limits

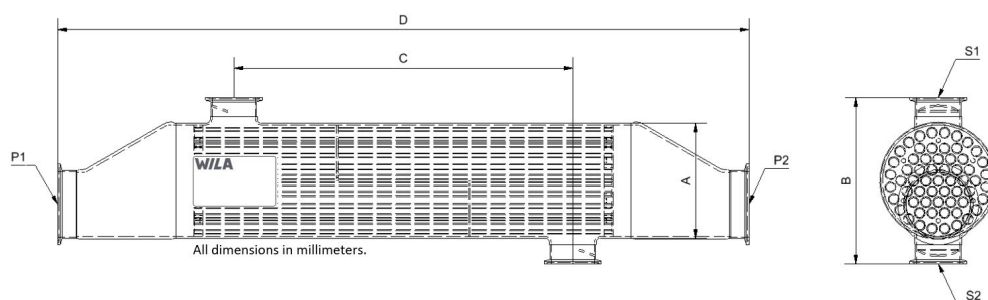
The heat exchanger's shell side maximum pressure and temperature limits are based on the maximum allowed steam pressure, which varies with the size of the heat exchanger:

1. For heat exchanger sizes 0.5m² and 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 sizes 4 m² and 6 m² these limits are respectively 3 bar[g] and 144°C
5. For heat exchanger size 8 m² these limits are respectively 2.3 bar[g] and 136°C

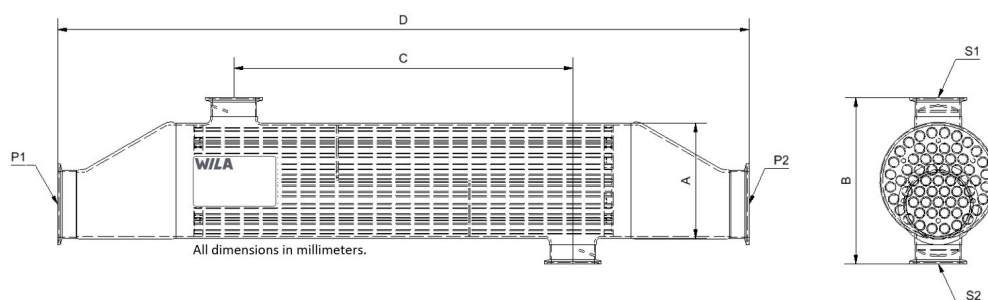
For pressure and temperature limits for other fluids than steam, see "Heat exchangers – pressure and temperature relations" document.

Note:

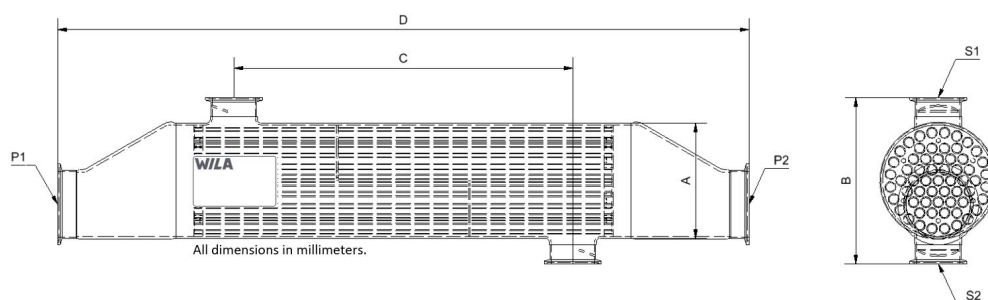
In the following group tables 'Tube bank' is data on the product tubes running parallel inside the shell.



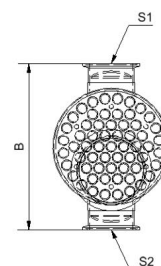
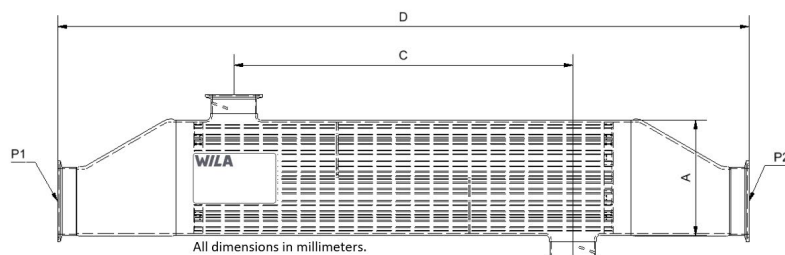
THEXA-.5-129-40		40 barg / 85°C		10 bar[g] / 185°C		Maximum pressure / Maximum temperature		
		Volume 4.5 liters		Volume 1 liters		316L Eccentric	Dry weight 9 kg	
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-.5-129-100-51	W-034831	DN100	Ø129	Ø51	186	130	538	61 pc Ø12x1mm
THEXA-.5-129-101-51	W-034832	Ø101.6	Ø129	Ø51	186	130	525	61 pc Ø12x1mm
THEXA-.5-129-080-51	W-034833	DN80	Ø129	Ø51	186	130	538	61 pc Ø12x1mm
THEXA-.5-129-076-51	W-034834	Ø76.1	Ø129	Ø51	186	130	525	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-.5-129-100-38	W-034835	DN100	Ø129	Ø38	186	130	538	61 pc Ø12x1mm
THEXA-.5-129-101-38	W-034836	Ø101.6	Ø129	Ø38	186	130	525	61 pc Ø12x1mm
THEXA-.5-129-080-38	W-034837	DN80	Ø129	Ø38	186	130	538	61 pc Ø12x1mm
THEXA-.5-129-076-38	W-034838	Ø76.1	Ø129	Ø38	186	130	525	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-.5-129-100-50	W-034839	DN100	Ø129	DN50	186	130	538	61 pc Ø12x1mm
THEXA-.5-129-101-50	W-034840	Ø101.6	Ø129	DN50	186	130	525	61 pc Ø12x1mm
THEXA-.5-129-080-50	W-034841	DN80	Ø129	DN50	186	130	538	61 pc Ø12x1mm
THEXA-.5-129-076-50	W-034842	Ø76.1	Ø129	DN50	186	130	525	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-.5-129-100-40	W-034843	DN100	Ø129	DN40	186	130	538	61 pc Ø12x1mm
THEXA-.5-129-101-40	W-034844	Ø101.6	Ø129	DN40	186	130	525	61 pc Ø12x1mm
THEXA-.5-129-080-40	W-034845	DN80	Ø129	DN40	186	130	538	61 pc Ø12x1mm
THEXA-.5-129-076-40	w-034848	Ø76.1	Ø129	DN40	186	130	525	61 pc Ø12x1mm



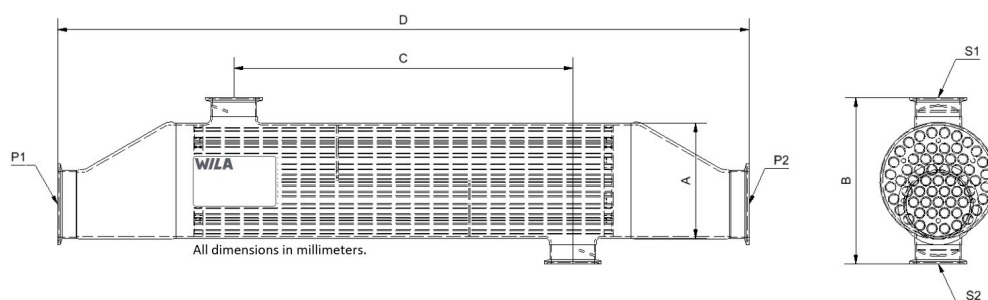
THEXA-01-129-40		40 barg / 85°C		10 bar[g] / 185°C		Maximum pressure / Maximum temperature		
		Volume 6 liters		Volume 2.5 liters		316L Eccentric	Dry weight 15 kg	
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-01-129-100-51	W-034853	DN100	Ø129	Ø51	186	380	788	61 pc Ø12x1mm
THEXA-01-129-101-51	W-034854	Ø101.6	Ø129	Ø51	186	380	775	61 pc Ø12x1mm
THEXA-01-129-080-51	W-034855	DN80	Ø129	Ø51	186	380	788	61 pc Ø12x1mm
THEXA-01-129-076-51	W-034856	Ø76.1	Ø129	Ø51	186	380	775	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-01-129-100-38	W-034857	DN100	Ø129	Ø38	186	380	788	61 pc Ø12x1mm
THEXA-01-129-101-38	W-034858	Ø101.6	Ø129	Ø38	186	380	775	61 pc Ø12x1mm
THEXA-01-129-080-38	W-034859	DN80	Ø129	Ø38	186	380	788	61 pc Ø12x1mm
THEXA-01-129-076-38	W-034860	Ø76.1	Ø129	Ø38	186	380	775	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-01-129-100-50	W-034861	DN100	Ø129	DN50	186	380	788	61 pc Ø12x1mm
THEXA-01-129-101-50	W-034862	Ø101.6	Ø129	DN50	186	380	775	61 pc Ø12x1mm
THEXA-01-129-080-50	W-034863	DN80	Ø129	DN50	186	380	788	61 pc Ø12x1mm
THEXA-01-129-076-50	W-034864	Ø76.1	Ø129	DN50	186	380	775	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-01-129-100-40	W-034865	DN100	Ø129	DN40	186	380	788	61 pc Ø12x1mm
THEXA-01-129-101-40	W-034866	Ø101.6	Ø129	DN40	186	380	775	61 pc Ø12x1mm
THEXA-01-129-080-40	W-034867	DN80	Ø129	DN40	186	380	788	61 pc Ø12x1mm
THEXA-01-129-076-40	W-034868	Ø76.1	Ø129	DN40	186	380	775	61 pc Ø12x1mm



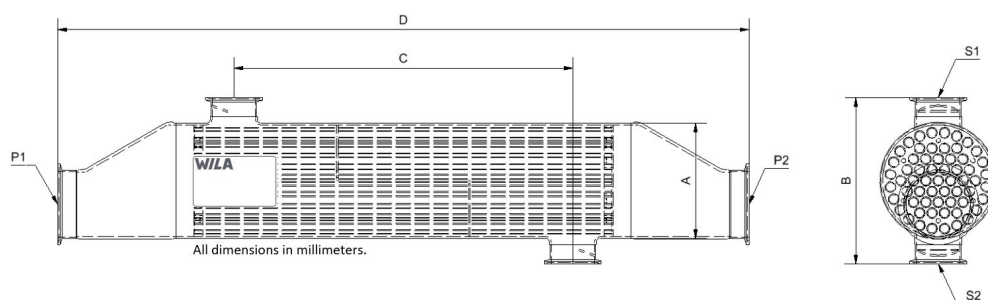
THEXA-02-129-40		40 barg / 85°C		8 bar[g] / 176°C		Maximum pressure / Maximum temperature		
		Volume 8.5 liters		Volume 5 liters		316L Eccentric	Dry weight 26 kg	
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-02-129-100-51	W-034873	DN100	Ø129	Ø51	186	870	1268	61 pc Ø12x1mm
THEXA-02-129-101-51	W-034874	Ø101.6	Ø129	Ø51	186	870	1255	61 pc Ø12x1mm
THEXA-02-129-080-51	W-034875	DN80	Ø129	Ø51	186	870	1268	61 pc Ø12x1mm
THEXA-02-129-076-51	W-034876	Ø76.1	Ø129	Ø51	186	870	1255	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-02-129-100-38	W-034877	DN100	Ø129	Ø38	186	870	1268	61 pc Ø12x1mm
THEXA-02-129-101-38	W-034878	Ø101.6	Ø129	Ø38	186	870	1255	61 pc Ø12x1mm
THEXA-02-129-080-38	W-034879	DN80	Ø129	Ø38	186	870	1268	61 pc Ø12x1mm
THEXA-02-129-076-38	W-034880	Ø76.1	Ø129	Ø38	186	870	1255	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-02-129-100-50	W-034881	DN100	Ø129	DN50	186	870	1268	61 pc Ø12x1mm
THEXA-02-129-101-50	W-034882	Ø101.6	Ø129	DN50	186	870	1255	61 pc Ø12x1mm
THEXA-02-129-080-50	W-034883	DN80	Ø129	DN50	186	870	1268	61 pc Ø12x1mm
THEXA-02-129-076-50	W-034884	Ø76.1	Ø129	DN50	186	870	1255	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-02-129-100-40	W-034885	DN100	Ø129	DN40	186	870	1268	61 pc Ø12x1mm
THEXA-02-129-101-40	W-034886	Ø101.6	Ø129	DN40	186	870	1255	61 pc Ø12x1mm
THEXA-02-129-080-40	W-034887	DN80	Ø129	DN40	186	870	1268	61 pc Ø12x1mm
THEXA-02-129-076-40	W-034888	Ø76.1	Ø129	DN40	186	870	1255	61 pc Ø12x1mm



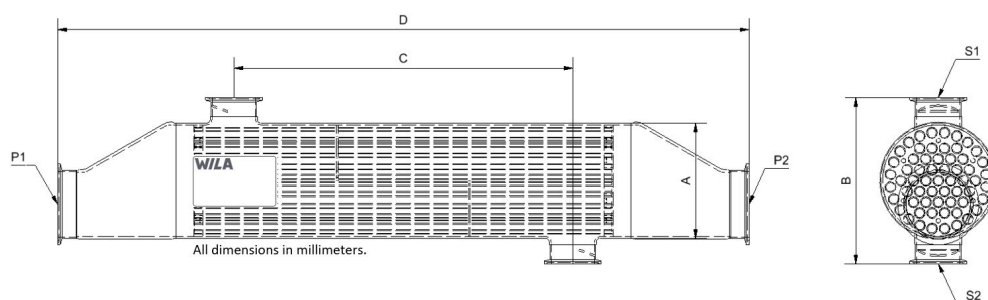
THEXA-03-129-40		40 barg / 85°C		6 bar[g] / 165°C		Maximum pressure / Maximum temperature		
		Volume 10 liters		Volume 7.5 liters		316L Eccentric	Dry weight 38 kg	
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-03-129-100-51	W-034893	DN100	Ø129	Ø51	186	1360	1768	61 pc Ø12x1mm
THEXA-03-129-101-51	W-034894	Ø101.6	Ø129	Ø51	186	1360	1755	61 pc Ø12x1mm
THEXA-03-129-080-51	W-034895	DN80	Ø129	Ø51	186	1360	1765	61 pc Ø12x1mm
THEXA-03-129-076-51	W-034896	Ø76.1	Ø129	Ø51	186	1360	1755	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-03-129-100-38	W-034897	DN100	Ø129	Ø38	186	1360	1768	61 pc Ø12x1mm
THEXA-03-129-101-38	W-034898	Ø101.6	Ø129	Ø38	186	1360	1755	61 pc Ø12x1mm
THEXA-03-129-080-38	W-034899	DN80	Ø129	Ø38	186	1360	1765	61 pc Ø12x1mm
THEXA-03-129-076-38	W-034900	Ø76.1	Ø129	Ø38	186	1360	1755	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-03-129-100-50	W-034901	DN100	Ø129	DN50	186	1360	1768	61 pc Ø12x1mm
THEXA-03-129-101-50	W-034902	Ø101.6	Ø129	DN50	186	1360	1755	61 pc Ø12x1mm
THEXA-03-129-080-50	W-034903	DN80	Ø129	DN50	186	1360	1765	61 pc Ø12x1mm
THEXA-03-129-076-50	W-034904	Ø76.1	Ø129	DN50	186	1360	1755	61 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-03-129-100-40	W-034905	DN100	Ø129	DN40	186	1360	1768	61 pc Ø12x1mm
THEXA-03-129-101-40	W-034906	Ø101.6	Ø129	DN40	186	1360	1755	61 pc Ø12x1mm
THEXA-03-129-080-40	W-034907	DN80	Ø129	DN40	186	1360	1765	61 pc Ø12x1mm
THEXA-03-129-076-40	W-034908	Ø76.1	Ø129	DN40	186	1360	1755	61 pc Ø12x1mm



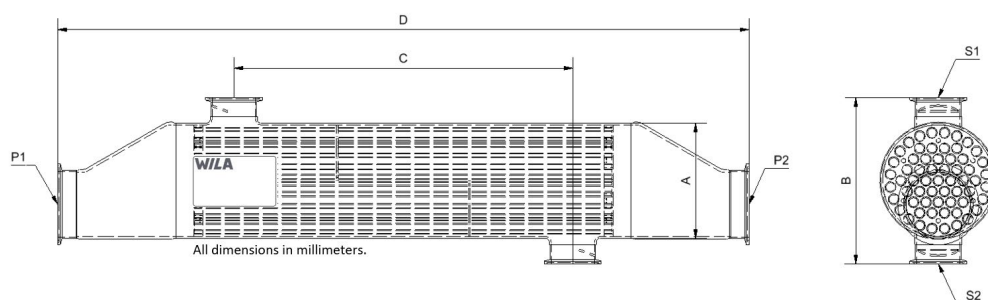
THEXA-01-209-40		40 barg / 85°C		10 bar[g] / 185°C		Maximum pressure / Maximum temperature		
		Volume 13 liters		Volume 3 liters		316L Eccentric	Dry weight 22 kg	
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-01-209-150-51	W-034913	DN150	Ø209	Ø51	266	100	603	163 pc Ø12x1mm
THEXA-01-209-125-51	W-034914	DN125	Ø209	Ø51	266	100	603	163 pc Ø12x1mm
THEXA-01-209-100-51	W-034915	DN100	Ø209	Ø51	266	100	603	163 pc Ø12x1mm
THEXA-01-209-101-51	W-034916	Ø101.6	Ø209	Ø51	266	100	590	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-01-209-150-38	W-034917	DN150	Ø209	Ø38	266	100	603	163 pc Ø12x1mm
THEXA-01-209-125-38	W-034918	DN125	Ø209	Ø38	266	100	603	163 pc Ø12x1mm
THEXA-01-209-100-38	W-034919	DN100	Ø209	Ø38	266	100	603	163 pc Ø12x1mm
THEXA-01-209-101-38	W-034920	Ø101.6	Ø209	Ø38	266	100	590	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-01-209-150-50	W-034921	DN150	Ø209	DN50	266	100	603	163 pc Ø12x1mm
THEXA-01-209-125-50	W-034922	DN125	Ø209	DN50	266	100	603	163 pc Ø12x1mm
THEXA-01-209-100-50	W-034923	DN100	Ø209	DN50	266	100	603	163 pc Ø12x1mm
THEXA-01-209-101-50	W-034924	Ø101.6	Ø209	DN50	266	100	590	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-01-209-150-40	W-034925	DN150	Ø209	DN40	266	100	603	163 pc Ø12x1mm
THEXA-01-209-125-40	W-034926	DN125	Ø209	DN40	266	100	603	163 pc Ø12x1mm
THEXA-01-209-100-40	W-034927	DN100	Ø209	DN40	266	100	603	163 pc Ø12x1mm
THEXA-01-209-101-40	W-034928	Ø101.6	Ø209	DN40	266	100	590	163 pc Ø12x1mm



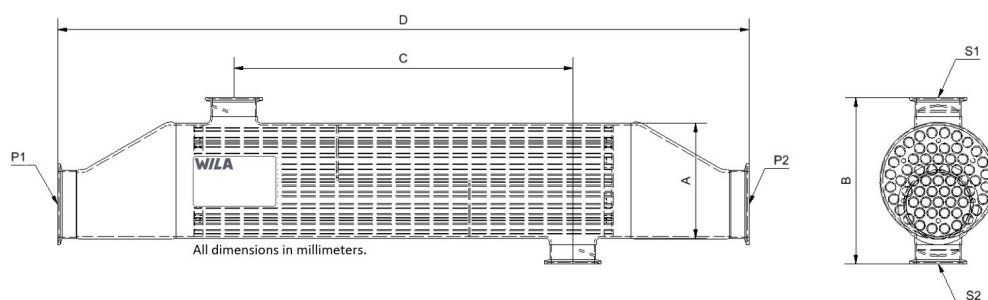
THEXA-02-209-40		40 barg / 85°C		8 bar[g] / 176°C		Maximum pressure / Maximum temperature		
		Volume 13.5 liters		Volume 5.5 liters		316L Eccentric	Dry weight 32 kg	
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-02-209-150-51	W-034935	DN150	Ø209	Ø51	266	290	788	163 pc Ø12x1mm
THEXA-02-209-125-51	W-034936	DN125	Ø209	Ø51	266	290	788	163 pc Ø12x1mm
THEXA-02-209-100-51	W-034937	DN100	Ø209	Ø51	266	290	788	163 pc Ø12x1mm
THEXA-02-209-101-51	W-034938	Ø101.6	Ø209	Ø51	266	290	775	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-02-209-150-38	W-034939	DN150	Ø209	Ø38	266	290	788	163 pc Ø12x1mm
THEXA-02-209-125-38	W-034940	DN125	Ø209	Ø38	266	290	788	163 pc Ø12x1mm
THEXA-02-209-100-38	W-034941	DN100	Ø209	Ø38	266	290	788	163 pc Ø12x1mm
THEXA-02-209-101-38	W-034942	Ø101.6	Ø209	Ø38	266	290	775	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-02-209-150-50	W-034943	DN150	Ø209	DN50	266	290	788	163 pc Ø12x1mm
THEXA-02-209-125-50	W-034944	DN125	Ø209	DN50	266	290	788	163 pc Ø12x1mm
THEXA-02-209-100-50	W-034945	DN100	Ø209	DN50	266	290	788	163 pc Ø12x1mm
THEXA-02-209-101-50	W-034946	Ø101.6	Ø209	DN50	266	290	775	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-02-209-150-40	W-034947	DN150	Ø209	DN40	266	290	788	163 pc Ø12x1mm
THEXA-02-209-125-40	W-034948	DN125	Ø209	DN40	266	290	788	163 pc Ø12x1mm
THEXA-02-209-100-40	W-034949	DN100	Ø209	DN40	266	290	788	163 pc Ø12x1mm
THEXA-02-209-101-40	W-034950	Ø101.6	Ø209	DN40	266	290	775	163 pc Ø12x1mm



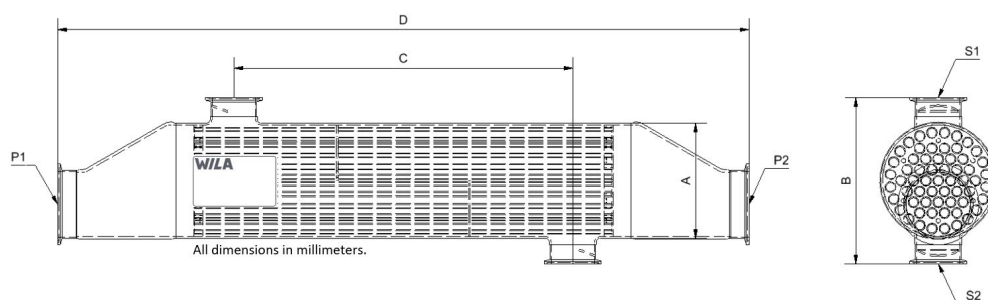
THEXA-03-209-40		40 barg / 85°C		6 bar[g] / 165°C		Maximum pressure / Maximum temperature		
		Volume 17 liters		Volume 8.3 liters		316L Eccentric	Dry weight 46 kg	
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-03-209-150-51	W-034957	DN150	Ø209	Ø51	266	510	1008	163 pc Ø12x1mm
THEXA-03-209-125-51	W-034958	DN125	Ø209	Ø51	266	510	1008	163 pc Ø12x1mm
THEXA-03-209-100-51	W-034959	DN100	Ø209	Ø51	266	510	1008	163 pc Ø12x1mm
THEXA-03-209-101-51	W-034960	Ø101.6	Ø209	Ø51	266	510	995	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-03-209-150-38	W-034961	DN150	Ø209	Ø38	266	510	1008	163 pc Ø12x1mm
THEXA-03-209-125-38	W-034962	DN125	Ø209	Ø38	266	510	1008	163 pc Ø12x1mm
THEXA-03-209-100-38	W-034963	DN100	Ø209	Ø38	266	510	1008	163 pc Ø12x1mm
THEXA-03-209-101-38	W-034964	Ø101.6	Ø209	Ø38	266	510	995	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-03-209-150-50	W-034965	DN150	Ø209	DN50	266	510	1008	163 pc Ø12x1mm
THEXA-03-209-125-50	W-034966	DN125	Ø209	DN50	266	510	1008	163 pc Ø12x1mm
THEXA-03-209-100-50	W-034967	DN100	Ø209	DN50	266	510	1008	163 pc Ø12x1mm
THEXA-03-209-101-50	W-034968	Ø101.6	Ø209	DN50	266	510	995	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-03-209-150-40	W-034969	DN150	Ø209	DN40	266	510	1008	163 pc Ø12x1mm
THEXA-03-209-125-40	W-034970	DN125	Ø209	DN40	266	510	1008	163 pc Ø12x1mm
THEXA-03-209-100-40	W-034971	DN100	Ø209	DN40	266	510	1008	163 pc Ø12x1mm
THEXA-03-209-101-40	W-034972	Ø101.6	Ø209	DN40	266	510	995	163 pc Ø12x1mm



THEXA-04-209-40		40 barg / 85°C		3 bar[g] / 144°C		Maximum pressure / Maximum 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	Tube bank
THEXA-04-209-150-51	W-034979	DN150	Ø209	Ø51	266	650	1155	163 pc Ø12x1mm
THEXA-04-209-125-51	W-034980	DN125	Ø209	Ø51	266	650	1155	163 pc Ø12x1mm
THEXA-04-209-100-51	W-034981	DN100	Ø209	Ø51	266	650	1155	163 pc Ø12x1mm
THEXA-04-209-101-51	W-034982	Ø101.6	Ø209	Ø51	266	650	1142	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-04-209-150-38	W-034983	DN150	Ø209	Ø38	266	650	1155	163 pc Ø12x1mm
THEXA-04-209-125-38	W-034984	DN125	Ø209	Ø38	266	650	1155	163 pc Ø12x1mm
THEXA-04-209-100-38	W-034985	DN100	Ø209	Ø38	266	650	1155	163 pc Ø12x1mm
THEXA-04-209-101-38	W-034986	Ø101.6	Ø209	Ø38	266	650	1142	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-04-209-150-50	W-034987	DN150	Ø209	DN50	266	650	1155	163 pc Ø12x1mm
THEXA-04-209-125-50	W-034988	DN125	Ø209	DN50	266	650	1155	163 pc Ø12x1mm
THEXA-04-209-100-50	W-034989	DN100	Ø209	DN50	266	650	1155	163 pc Ø12x1mm
THEXA-04-209-101-50	W-034990	Ø101.6	Ø209	DN50	266	650	1142	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-04-209-150-40	W-034991	DN150	Ø209	DN40	266	650	1155	163 pc Ø12x1mm
THEXA-04-209-125-40	W-034992	DN125	Ø209	DN40	266	650	1155	163 pc Ø12x1mm
THEXA-04-209-100-40	W-034993	DN100	Ø209	DN40	266	650	1155	163 pc Ø12x1mm
THEXA-04-209-101-40	W-034994	Ø101.6	Ø209	DN40	266	650	1142	163 pc Ø12x1mm



THEXA-06-209-40		40 barg / 85°C		3 bar[g] / 144°C		Maximum pressure / Maximum 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	Tube bank
THEXA-06-209-150-51	W-035001	DN150	Ø209	Ø51	266	1030	1535	163 pc Ø12x1mm
THEXA-06-209-125-51	W-035002	DN125	Ø209	Ø51	266	1030	1535	163 pc Ø12x1mm
THEXA-06-209-100-51	W-035003	DN100	Ø209	Ø51	266	1030	1535	163 pc Ø12x1mm
THEXA-06-209-101-51	W-030315	Ø101.6	Ø209	Ø51	266	1030	1522	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-06-209-150-38	W-035005	DN150	Ø209	Ø38	266	1030	1535	163 pc Ø12x1mm
THEXA-06-209-125-38	W-035006	DN125	Ø209	Ø38	266	1030	1535	163 pc Ø12x1mm
THEXA-06-209-100-38	W-035007	DN100	Ø209	Ø38	266	1030	1535	163 pc Ø12x1mm
THEXA-06-209-101-38	W-035008	Ø101.6	Ø209	Ø38	266	1030	1522	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-06-209-150-50	W-035009	DN150	Ø209	DN50	266	1030	1535	163 pc Ø12x1mm
THEXA-06-209-125-50	W-035010	DN125	Ø209	DN50	266	1030	1535	163 pc Ø12x1mm
THEXA-06-209-100-50	W-035011	DN100	Ø209	DN50	266	1030	1535	163 pc Ø12x1mm
THEXA-06-209-101-50	W-035012	Ø101.6	Ø209	DN50	266	1030	1522	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-06-209-150-40	W-035013	DN150	Ø209	DN40	266	1030	1535	163 pc Ø12x1mm
THEXA-06-209-125-40	W-035014	DN125	Ø209	DN40	266	1030	1535	163 pc Ø12x1mm
THEXA-06-209-100-40	W-035015	DN100	Ø209	DN40	266	1030	1535	163 pc Ø12x1mm
THEXA-06-209-101-40	W-035016	Ø101.6	Ø209	DN40	266	1030	1522	163 pc Ø12x1mm



THEXA-08-209-40		40 barg / 85°C		2.3 bar[g] / 136°C		Maximum pressure / Maximum 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	Tube bank
THEXA-08-209-150-51	W-035023	DN150	Ø209	Ø51	266	1450	1950	163 pc Ø12x1mm
THEXA-08-209-125-51	W-035024	DN125	Ø209	Ø51	266	1450	1950	163 pc Ø12x1mm
THEXA-08-209-100-51	W-035025	DN100	Ø209	Ø51	266	1450	1950	163 pc Ø12x1mm
THEXA-08-209-101-51	W-035026	Ø101.6	Ø209	Ø51	266	1450	1937	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-08-209-150-38	W-035027	DN150	Ø209	Ø38	266	1450	1950	163 pc Ø12x1mm
THEXA-08-209-125-38	W-035028	DN125	Ø209	Ø38	266	1450	1950	163 pc Ø12x1mm
THEXA-08-209-100-38	W-035029	DN100	Ø209	Ø38	266	1450	1950	163 pc Ø12x1mm
THEXA-08-209-101-38	W-035030	Ø101.6	Ø209	Ø38	266	1450	1937	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-08-209-150-50	W-035031	DN150	Ø209	DN50	266	1450	1950	163 pc Ø12x1mm
THEXA-08-209-125-50	W-035032	DN125	Ø209	DN50	266	1450	1950	163 pc Ø12x1mm
THEXA-08-209-100-50	W-035033	DN100	Ø209	DN50	266	1450	1950	163 pc Ø12x1mm
THEXA-08-209-101-50	W-035034	Ø101.6	Ø209	DN50	266	1450	1937	163 pc Ø12x1mm
Stock number	Drawing number	P1/P2	A	S1/S2	B	C	D	Tube bank
THEXA-08-209-150-40	W-035035	DN150	Ø209	DN40	266	1450	1950	163 pc Ø12x1mm
THEXA-08-209-125-40	W-035036	DN125	Ø209	DN40	266	1450	1950	163 pc Ø12x1mm
THEXA-08-209-100-40	W-035037	DN100	Ø209	DN40	266	1450	1950	163 pc Ø12x1mm
THEXA-08-209-101-40	W-035038	Ø101.6	Ø209	DN40	266	1450	1937	163 pc Ø12x1mm