

**Gasketed  
Plate Heat  
Exchangers**

**Standard or  
Customised**

# Leading the Field in **Innovative** Technology

## Contents

Page 1	What we do
Page 2	DN 32 Technical Information
Page 3	DN 50 & DN 65 Technical Information
Page 4	DN 80 & DN 100 Technical Information
Page 5	DN 150 Technical Information
Page 6	DN 200 Technical Information
Page 7	Materials & Configurations

**Our team at Ormandy Rycroft are dedicated to customer service and will advise you on the most efficient solution bespoke to your individual requirements.**

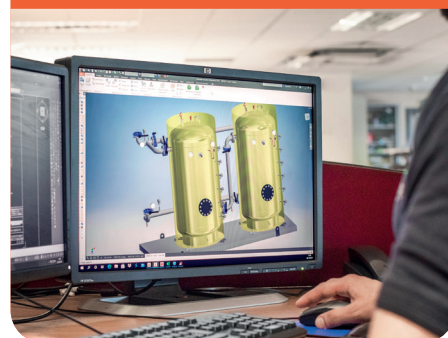
As a leading manufacturer of Instantaneous Water Heaters and Commercial Heating & Cooling Solutions, we pride ourselves on our industry knowledge and the high standards and expertise you expect from an industry leader!

### Consultation



**Advice from our experienced Sales Team across the UK**

### Bespoke Design



**Tailored engineering Design Specification & Development**

### Every Industry



**From HEVAC to Process, we cover all Industry Sectors**

### Manufacturing Excellence



**Leading the field in Innovative Engineering Solutions**

### Aftercare



**Reliable Commissioning, Maintenance and Servicing**

Our technical knowledge is second to none and we take pride in nurturing and growing our relationship with customers through advice and support prior, during and after installation.

**At Ormandy Rycroft, nothing is standard. From our service to you, to the quality control on our products, we aim to exceed your expectations at every stage of the process.**

Our manufacturing facilities are world class and we are one of only a handful of companies who have the ability to manufacture both copper and copper lined vessels, as well as high specification stainless steel vessels for industries requiring a more specialised design for Process Solutions.

Whatever your heating and cooling needs are, you won't make a better start by making Ormandy Rycroft your first port of call.

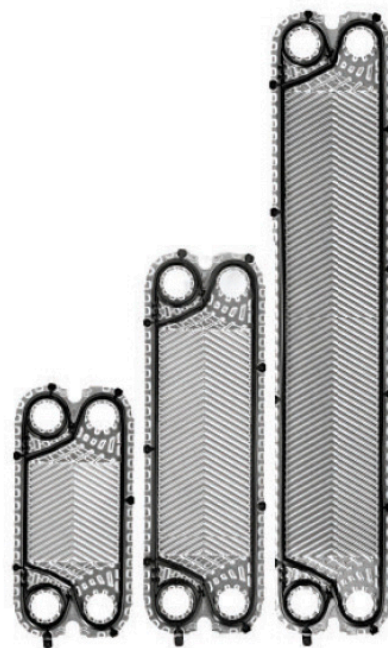
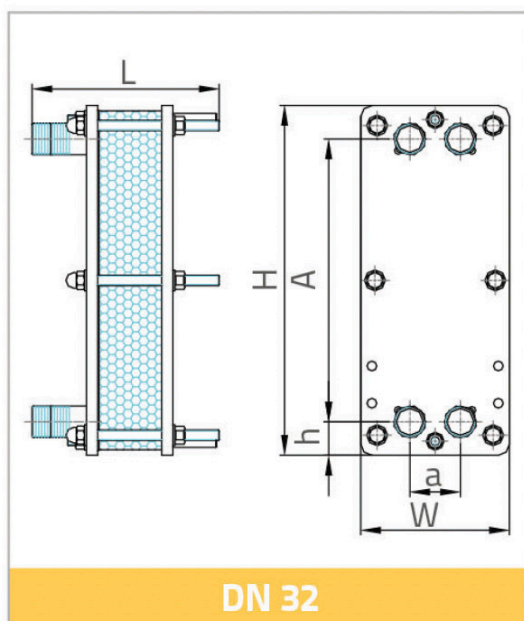
## Gasketed - Technical Information - DN 32

**We offer a wide range of plate heat exchangers, hot water and heat transfer systems.**

PHE's can be supplied in kit form and assembled on site by qualified engineers.

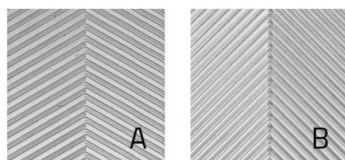
### DN32 / DN50 / DN65 Technical Information

Frame sizes



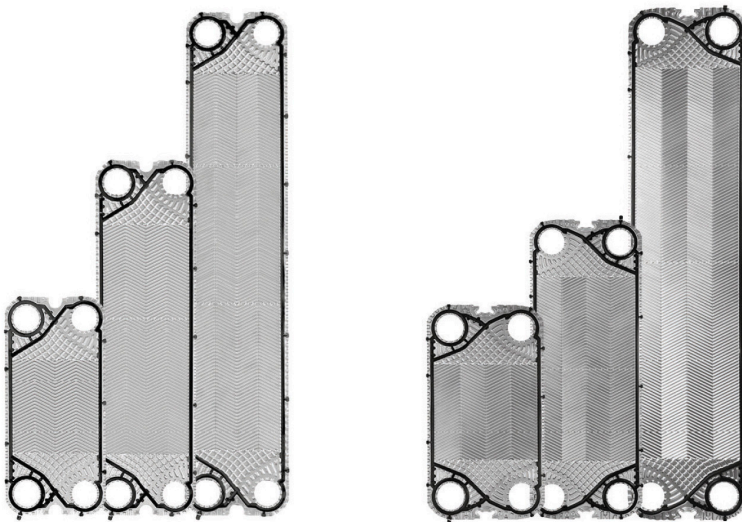
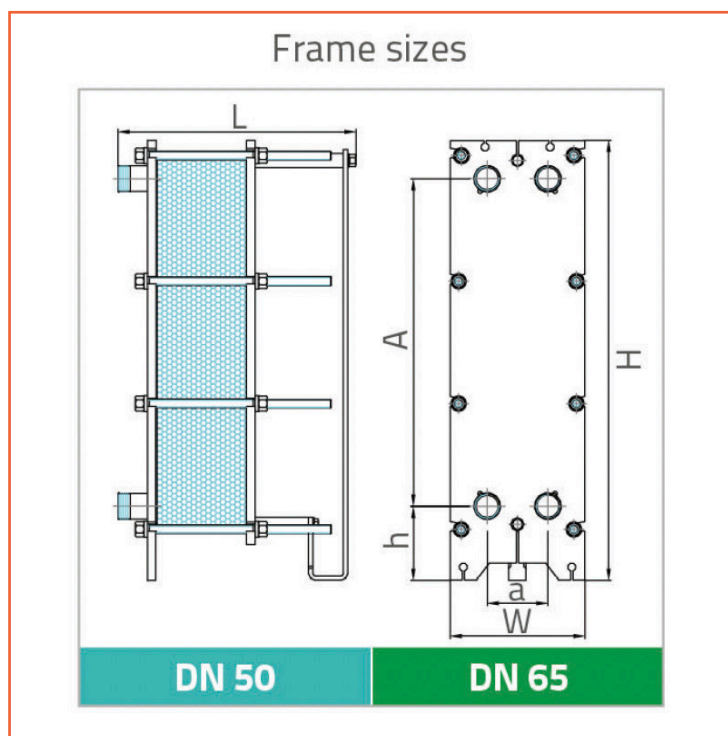
Model			DN 32 (1¼")		
			S020+	S040+	S080+
Water flow rate max.		m <sup>3</sup> /h	19		
Heat transfer surface max		m <sup>2</sup>	1,6	3,1	8,2
Plate corrugation angle			A		
Tightening quote	d	mm	2,9 x np + 2		
Height	H (min - max)	mm	320	470	755
Width	W (min - max)	mm	200		

Plates are available in two thermal lengths (A/B)





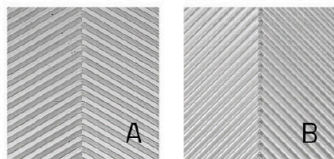
## Gasketed - Technical Information - DN 50 and DN 65



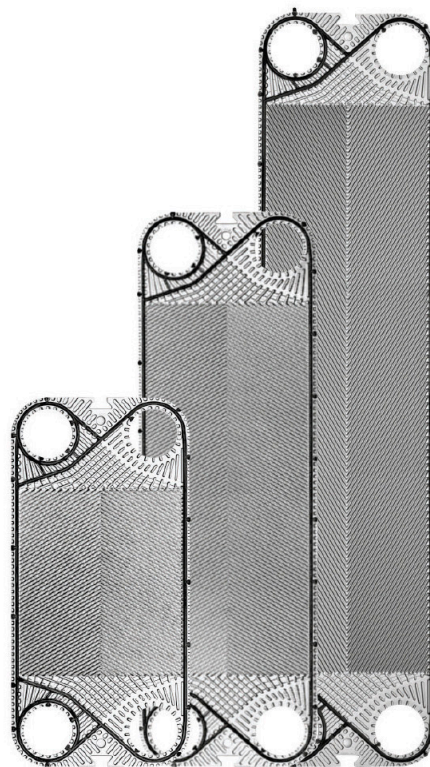
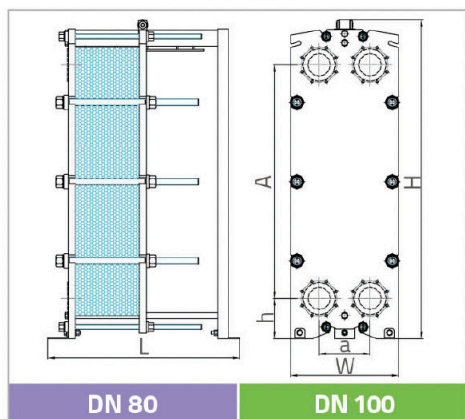
MODEL			DN 50 (2")			DN 65 (2½")		
			S070+	S160+	S260+	S110+	S210+	S410+
Water flow rate max.		m³/h	63			80		
Heat transfer surface max		m²	11,8	41,2	63,8	0,118	0,21	0,395
Plate corrugation angle			A / B			A / B		
Tightening quote	d	mm	2,9 x np + 2			3		
Height	H (min-max)	mm	678-720	1008-1050	1353-1395	584	848	1375
Width	W (min-max)	mm	310			320		

# Gasketed - Technical Information - DN 80 and DN 100

Plates are available in two thermal lengths (A/B)

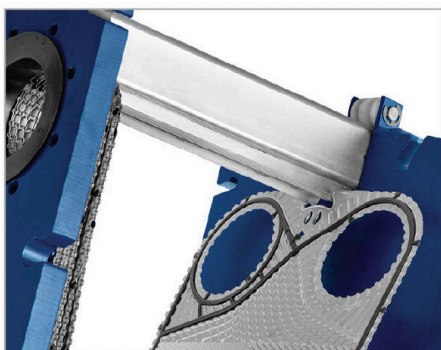


Frame sizes

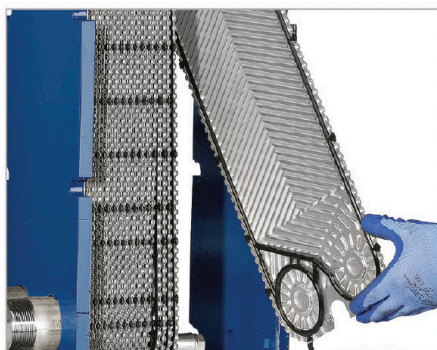


MODEL			DN 80 (3")	DN 100 (4")		
			S270+	S300+	S450+	S700+
Water flow rate max.		m <sup>3</sup> /h	110	240		
Heat transfer surface max		m <sup>2</sup>	0,273	108	193	280
Plate corrugation angle			A / B	A / B		
Tightening quote	d	mm	3	3,1		
Height	H (min-max)	mm	1071	1124	1569	2014
Width	W (min-max)	mm	320	530		

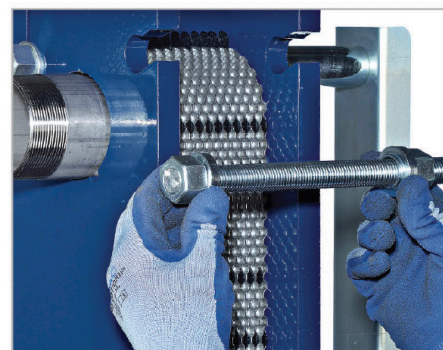
**Optimum Design:** Design is focused towards installation and maintenance



carrying bar / stainless steel contact



Easy positioning of plates and optimised footprint

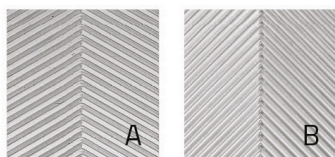


Easy assembly and disassembly

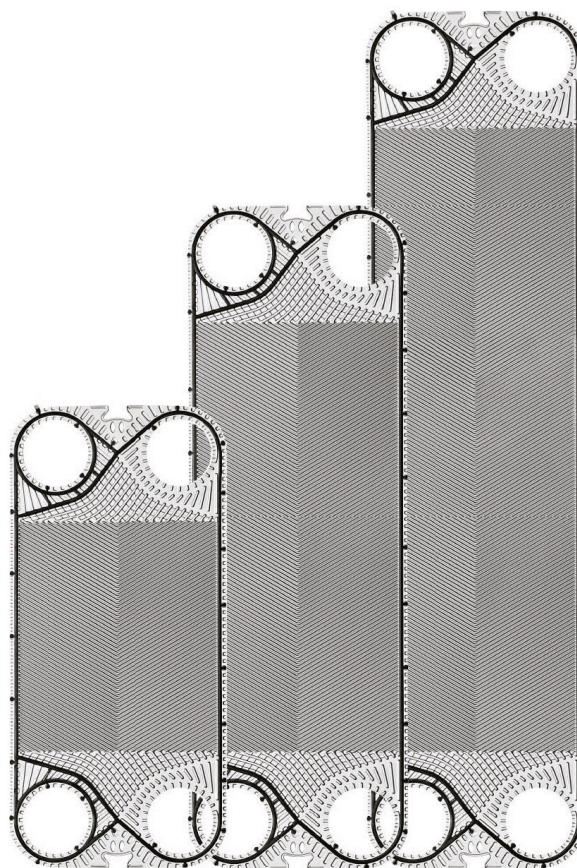
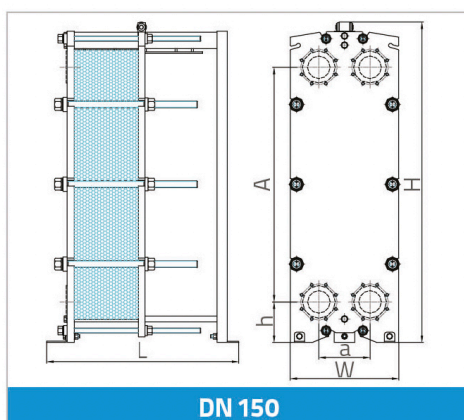


## Gasketed - Technical Information - DN 150

Plates are available in two thermal lengths (A/B)



Frame sizes



MODEL			DN 150 (6")		
			S400+	S600+	S900+
Water flow rate max.		m <sup>3</sup> /h	380		
Heat transfer surface max		m <sup>2</sup>	215	355	631
Plate corrugation angle			A / B		
Tightening quote	d	mm	3,1		
Height	H (min-max)	mm	1372	1819	2272 - 2317
Width	W (min-max)	mm	609		

### Optional Extras: A range of extras to suit every heat exchanger



Insulation case



Heating & cooling insulation shell

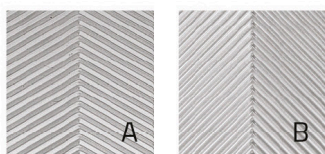


Stainless steel frame

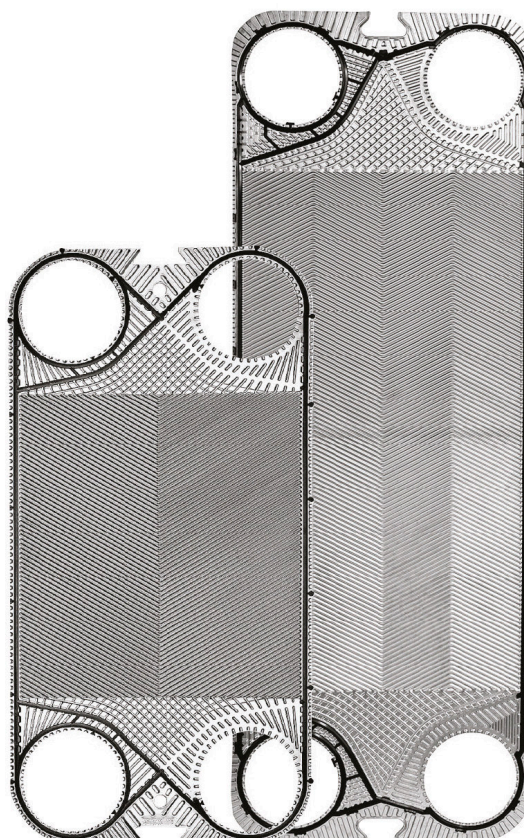
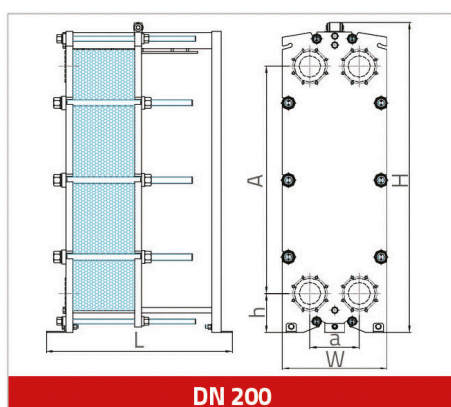


# Gasketed - Technical Information - DN 200

Plates are available in two thermal lengths (A/B)

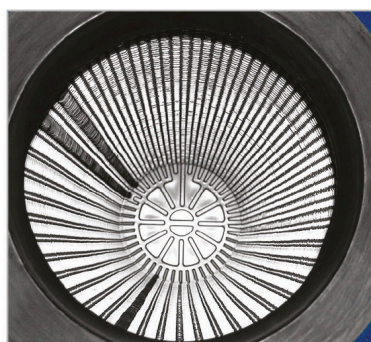


Frame sizes



MODEL			DN 200 (8")	
			S650+	S990+
Water flow rate max.		m <sup>3</sup> /h	800	730
Heat transfer surface max		m <sup>2</sup>	334	534
Plate corrugation angle			A / B	A / B
Tightening quote	d	mm	3,3	3,1
Height	H (min-max)	mm	1657 - 1707	2190 - 2206
Width	W (min-max)	mm	810	790

**Quality beyond standard:** Pressures (g) up to: 25 bar - Temperatures up to: 180°C heat exchanger



Careful visual inspection



Complete documentation suite



100% of our products are factory-tested

# Gasketed - Materials & Configurations

## Frames

- Frame platforms: Mils steel, Epoxy painted.
- Stainless steel frame (solid or clad Mild steel) available.

## Connections

- Threaded nozzles or flanges.
- Various solutions and materials available.

## Plates

- Stainless steel AISI 304 (EN 1.4301)
- Stainless steel AISI 316L (EN 1.4404)
- Titanium (Grade 1)
- Alloy 254 SMO (EN 1.4547)
- Various thicknesses down to 0,4 mm

## Gaskets

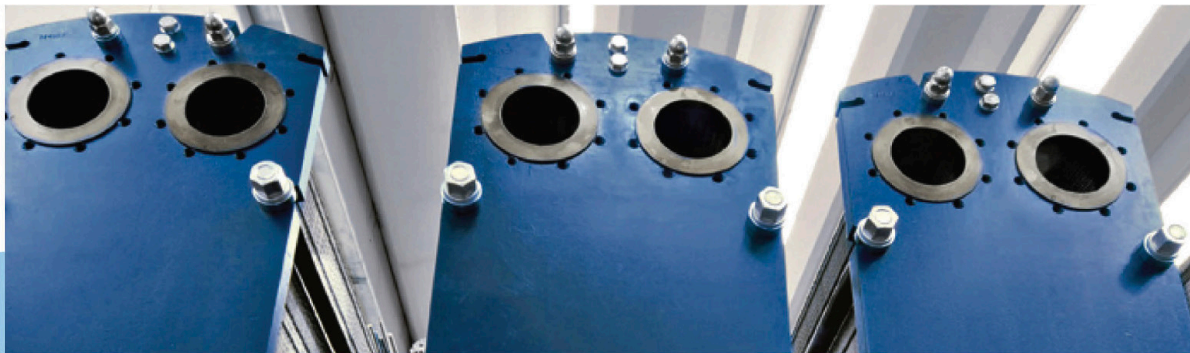
- NBR, EPDM, FPM, HNBR.
- Glue-free gaskets. Plug-In® design.

## Cost-efficient Solutions

High thermal capacity and low pressure losses, in a well-balanced and performing configuration.

## Optimised Design

For your equipment and process.



Heating



Cooling



Energy recovery







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