

dal 1968



SCAMBIATORI - BOLLITORI - SERBATOI



# PK



GASKETED PLATE HEAT EXCHANGERS

The PK range of gasketed plate heat exchangers has always been one of Pacetti's flagship products, where experience, build quality and the most comprehensive choice and adaptability to any system distinguish a product that is perfect in every way. Suitable for a wide variety of applications, they are the best solution for thermohydraulic and food systems and for industrial applications. The extreme versatility of gasketed plate heat exchangers implies a variety of options to meet different needs; PK models are perfectly capable of responding to this requirement, offering:

- Plates with 2 different types of corrugation, to prioritise heat exchange or reduce pressure drop. When appropriately distributed, they allow the heat exchanger to be perfectly designed in accordance with the required operating conditions;
- Three different types of plate construction material (AISI 304, AISI 316L, TITANIUM), to ensure compatibility with almost all fluids;
- Gaskets with a removable hook fastening system to the plates, which facilitates removal and replacement during maintenance;
- Gasket materials available in a choice of 3 different compounds (NBR, EPDM - standard on all sizes -, VITON), to ensure compatibility with a wide range of liquids and allow operating temperatures up to 180°C;
- Choice of different connection types other than the standard ones (threaded, Victaulic, flanged, etc.) and availability of EPDM rubber liners for exchangers with flanged connections (optional with DN65 and DN150, standard with DN100) to prevent contact between circulating fluids and the carbon steel frame and ensure maximum hygiene.

Accessories are available for each model, specially designed to fit the exchanger perfectly and achieve maximum performance.

The thermal insulation, covered externally with rigid aluminium sheet, can be completely and quickly removed using clips and closing hooks and can also be removed after the pipes have been connected, to allow access to the exchanger during maintenance.

Internally, the insulation is made of closed-cell elastomeric foam (0.037 W/mK at 40°C) and is coupled with a semi-rigid aluminium foil.

When using PK exchangers for chilled water circuits, it is strongly recommended to use drip trays to be positioned below the exchanger itself. Made of AISI 304 stainless steel, they are equipped with a 1/2" drain sleeve for direct connection to the water drain of the installation.

The floor mounting brackets make the installation more stable and, in the PK43 and PK80 models, also keep the entire exchanger raised to facilitate any maintenance operations.

The various accessories are fully compatible with each other, resulting in optimised space, cleanliness and attractive aesthetics combined with complete technical functionality.



PLATE & GASKET



SUPPORT BRACKET ST-PK-01



SUPPORT BRACKET ST-PK-02



SUPPORT BRACKET ST-PK-03



SUPPORT BRACKET ST-PK-04



THERMAL INSULATION PK43 ÷ PK150



THERMAL INSULATION PK190 ÷ PK860



DRIP TRAY

**CONSTRUCTION**

PLATE PACK MATERIAL

**Available options**

- Stainless Steel AISI 316L
- Stainless Steel AISI 304
- Titanium (on request)

GASKETS MATERIAL

- EPDM - max 150°C
- NBR - max 130°C
- Viton - max 180°C (on request)

FRAME PLATE MATERIAL

- Painted steel
- Stainless Steel AISI 304/316L (on request)

TIGHTENING BOLTS MATERIAL

- Galvanised steel
- Stainless Steel (on request)

THREADED FITTINGS MATERIAL

- Stainless Steel AISI 304
- Stainless Steel AISI 316L (on request)
- Rubber (on request)

FLANGED FITTINGS MATERIAL

- Carbon steel, designed for counterflange coupling

**REGULATORY COMPLIANCE**

European Pressure Equipment Directive (PED) 2014/68/EU | SEP (Sound Engineering Practice) - exclusion from CE marking - Art. 4.3

D.M. 174/04 or Reg. (CE) 1935/04 | Compatible with potable water | All models with threaded fittings and flanged fittings equipped with rubber liners

FCM | Compliant for food contact material (on request)

# PK 43

## TECHNICAL DETAILS

### DIMENSIONS

H	Height	mm	480
L	Width	mm	200
LU	Tie bolts lenght / size	mm	240 / S (7 ÷ 25 plates) 340 / M (26 ÷ 51 plates) 420 / L (52 ÷ 61 plates)
O	Horizontal centre distance	mm	68
V	Vertical centre distance	mm	380
T	Height from ground	mm	50
QS	Tightening torque	mm	3,0 × Number of plates (PN16)

### PLATES

Single plate heat transfer surface	m <sup>2</sup>	0,043
Volume per channel	litri	0,2

### FITTINGS

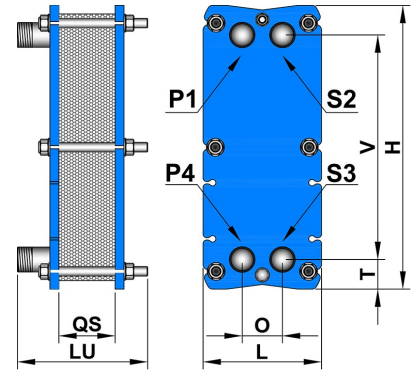
P1	Primary circuit inlet	Ø	1"¼ M - Thread
P4	Primary circuit outlet	Ø	1"¼ M - Thread
S2	Secondary circuit inlet	Ø	1"¼ M - Thread
S3	Secondary circuit outlet	Ø	1"¼ M - Thread

### WORKING CONDITIONS

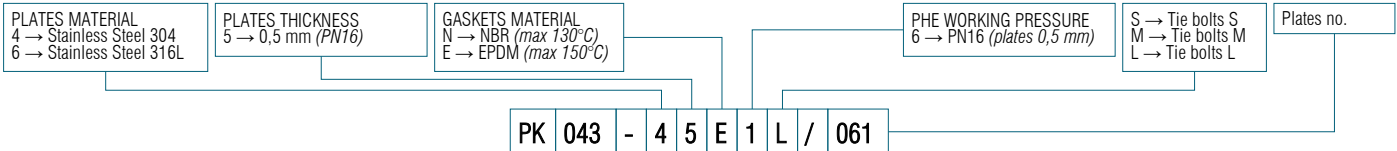
Working pressure (min-max)	bar	ATM ÷ 16
Working temperature (min-max)	°C	-10 ÷ 110

### WEIGHTS








Single plate	kg	0,3
Frame including tightening parts and fittings	kg	23



## HOW TO ORDER



## ACCESSORIES & SPARE PARTS

ITEM	PART NUMBER	
EPDM SPARE GASKET	G043-E	
NBR SPARE GASKET	G043-N	
REMOVABLE THERMAL INSULATION   SMALL SIZE 7 to 25 plates	ISOLPK043_COMP_C	
REMOVABLE THERMAL INSULATION   LARGE SIZE 26 to 61 plates	ISOLPK043_COMP_L	
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection ½" PHE size S   300×350×50 mm	VA0300X0350X0050	
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection ½" PHE size M/L   300×450×50 mm	VA0300X0450X0050	
PAINTED STEEL FLOOR MOUNTING BRACKETS	ST-PK-01	

# PK 70

## TECHNICAL DETAILS

### DIMENSIONS

H	Height	mm	606
L	Width	mm	303
LU	Tie bolts lenght / size	mm	400 / S (7 ÷ 45 piastre) 700 / M (46 ÷ 101 plates)
O	Horizontal centre distance	mm	126
V	Vertical centre distance	mm	394
T	Height from ground	mm	130
QS	Tightening torque	mm	2,9 × Number of plates (PN16)

### PLATES

Single plate heat transfer surface	m <sup>2</sup>	0,07
Volume per channel	litri	0,2

### FITTINGS

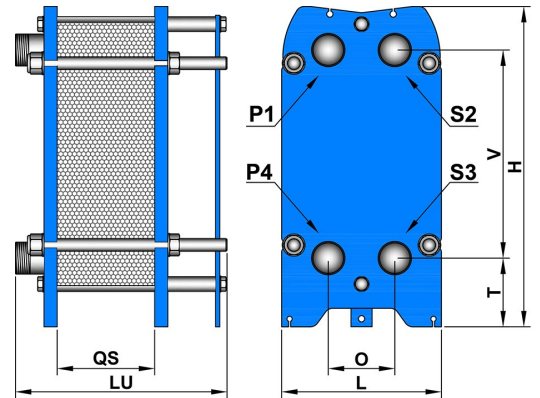
P1	Primary circuit inlet	∅	2" M - Thread
P4	Primary circuit outlet	∅	2" M - Thread
S2	Secondary circuit inlet	∅	2" M - Thread
S3	Secondary circuit outlet	∅	2" M - Thread

### WORKING CONDITIONS

Working pressure (min-max)	bar	ATM ÷ 16 (PN16)
Working temperature (min-max)	°C	-10 ÷ 110

### WEIGHTS

Single plate	kg	0,5 (PN16)
Frame including tightening parts and fittings	kg	90










## HOW TO ORDER

<b>PLATES MATERIAL</b> 4 → Stainless Steel 304 6 → Stainless Steel 316L	<b>PLATES THICKNESS</b> 5 → Thick 0,5 mm (PN16)	<b>GASKETS MATERIAL</b> N → NBR (max 130°C) E → EPDM (max 150°C)	<b>PHE WORKING PRESSURE</b> 6 → PN16 (plates 0,5 mm)	S → Tie bolts S M → Tie bolts M	Plates no.
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PK 070 - 4 5 E 6 S / 045

## ACCESSORIES & SPARE PARTS

ITEM	PART NUMBER	
EPDM SPARE GASKET	G070-E	
NBR SPARE GASKET	G070-N	
REMOVABLE THERMAL INSULATION   SMALL SIZE 7 to 45 plates	ISOLPK070_COMP_C	
REMOVABLE THERMAL INSULATION   MEDIUM SIZE 46 to 101 plates	ISOLPK070_COMP_M	
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size S   400×450×50 mm	VA0400X0450X0050	
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size M   400×750×50 mm	VA0400X0750X0050	
PAINTED STEEL FLOOR MOUNTING BRACKETS	ST-PK-02	

# PK 80

## TECHNICAL DETAILS

### DIMENSIONS

H	Height	mm	756
L	Width	mm	200
LU	Tie bolts lenght / size	mm	240 / S (7÷25 plates) 340 / M (26÷51 plates) 420 / L (52÷61 plates)
O	Horizontal centre distance	mm	70
V	Vertical centre distance	mm	656
T	Height from ground	mm	50
QS	Tightening torque	mm	2,7 × Number of plates (PN10) 2,8 × Number of plates (PN16)

### PLATES

Single plate heat transfer surface	m <sup>2</sup>	0,08
Volume per channel	litri	0,25

### FITTINGS

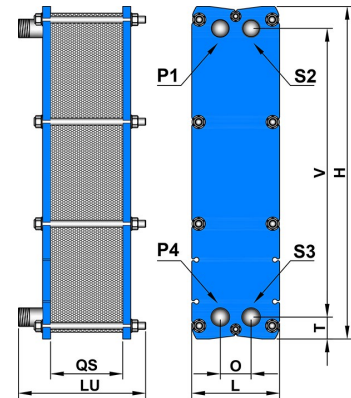
P1	Primary circuit inlet	Ø	1"¼ M - Thread
P4	Primary circuit outlet	Ø	1"¼ M - Thread
S2	Secondary circuit inlet	Ø	1"¼ M - Thread
S3	Secondary circuit outlet	Ø	1"¼ M - Thread

### WORKING CONDITIONS

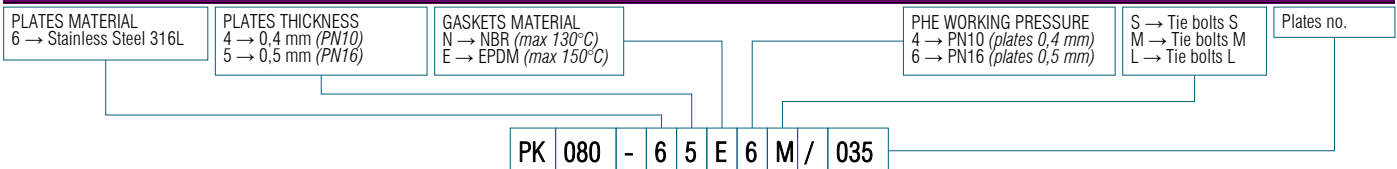
Working pressure (min-max)	bar	ATM ÷ 10 (PN10) ATM ÷ 16 (PN16)
Working temperature (min-max)	°C	-10 ÷ 110

### WEIGHTS








Single plate	kg	0,4 (PN10) 0,5 (PN16)
Frame including tightening parts and fittings	kg	50



## HOW TO ORDER



## ACCESSORIES & SPARE PARTS

ITEM	PART NUMBER	
EPDM SPARE GASKET	G080-E	
NBR SPARE GASKET	G080-N	
REMOVABLE THERMAL INSULATION   SMALL SIZE 7 to 25 plates	ISOLPK080C	
REMOVABLE THERMAL INSULATION   LARGE SIZE 26 to 61 plates	ISOLPK080L	
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection ½" PHE size S   300×350×50 mm	VA0300X0350X0050	
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection ½" PHE size M/L   300×450×50 mm	VA0300X0450X0050	
PAINTED STEEL FLOOR MOUNTING BRACKETS	ST-PK-01	

# PK 150

## TECHNICAL DETAILS

### DIMENSIONS

H	Height	mm	906
L	Width	mm	303
LU	Tie bolts lenght / size	mm	400 / S (7÷45 plates) 700 / M (46÷101 plates)
O	Horizontal centre distance	mm	126
V	Vertical centre distance	mm	694
T	Height from ground	mm	130
QS	Tightening torque	mm	2,8 × Number of plates (PN10) 2,9 × Number of plates (PN16)

### PLATES

Single plate heat transfer surface	m <sup>2</sup>	0,15
Volume per channel	litri	0,35

### FITTINGS

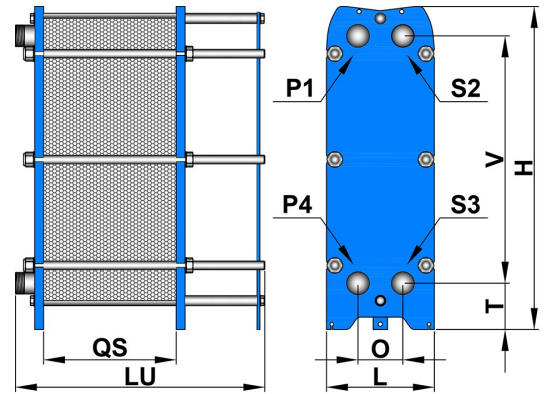
P1	Primary circuit inlet	Ø	2" M - Thread
P4	Primary circuit outlet	Ø	2" M - Thread
S2	Secondary circuit inlet	Ø	2" M - Thread
S3	Secondary circuit outlet	Ø	2" M - Thread

### WORKING CONDITIONS

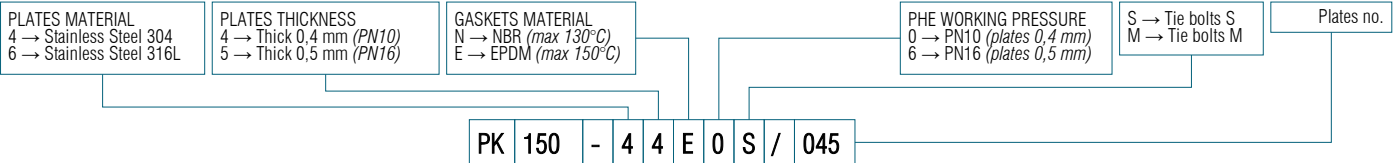
Working pressure (min-max)	bar	ATM÷10 (PN10) ATM÷16 (PN16)
Working temperature (min-max)	°C	-10 ÷ 110

### WEIGHTS

Single plate	kg	0,72 (PN10) 0,9 (PN16)
Frame including tightening parts and fittings	kg	128



## HOW TO ORDER

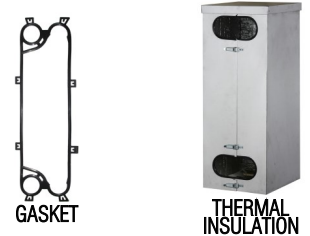


## ACCESSORIES & SPARE PARTS

### ITEM

### PART NUMBER

EPDM SPARE GASKET	G150-E
NBR SPARE GASKET	G150-N
REMOVABLE THERMAL INSULATION   SMALL SIZE 7 to 45 plates	ISOLPK150_COMP_C
REMOVABLE THERMAL INSULATION   MEDIUM SIZE 46 to 101 plates	ISOLPK150_COMP_M
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size S   400×450×50 mm	VA0400X0450X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size M   400×750×50 mm	VA0400X0750X0050



### PAINTED STEEL FLOOR MOUNTING BRACKETS

ST-PK-02

DRIP TRAY

# PK 190

## TECHNICAL DETAILS

### DIMENSIONS

H	Height	mm	982
L	Width	mm	395
LU	Tie bolts lenght / size	mm	400 / S (7 ÷ 45 plates) 700 / M (46 ÷ 95 plates) 1100 / L (96 ÷ 151 plates)
O	Horizontal centre distance	mm	192
V	Vertical centre distance	mm	700
T	Height from ground	mm	167
QS	Tightening torque	mm	2,65 × Number of plates (PN16)



### PLATES

Single plate heat transfer surface	m <sup>2</sup>	0,21
Volume per channel	litri	0,6

### FITTINGS

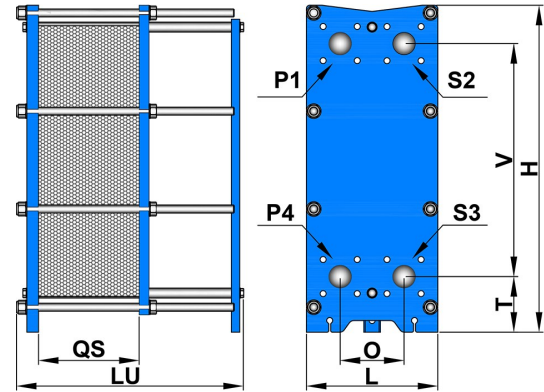
P1	Primary circuit inlet	Ø	DN65 PN16 - Flange
P4	Primary circuit outlet	Ø	DN65 PN16 - Flange
S2	Secondary circuit inlet	Ø	DN65 PN16 - Flange
S3	Secondary circuit outlet	Ø	DN65 PN16 - Flange

### WORKING CONDITIONS

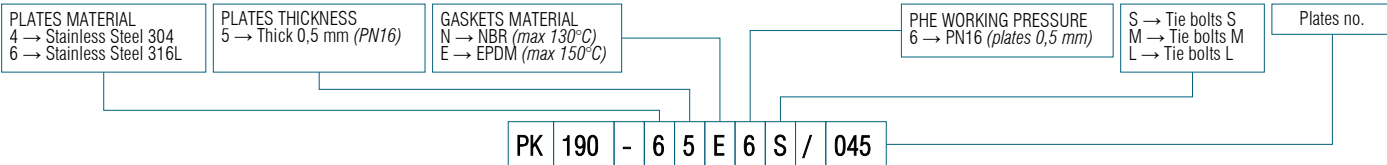
Working pressure (min-max)	bar	ATM ÷ 16 (PN16)
Working temperature (min-max)	°C	-10 ÷ 110

### WEIGHTS

Single plate	kg	1 (PN16)
Frame including tightening parts and fittings	kg	200

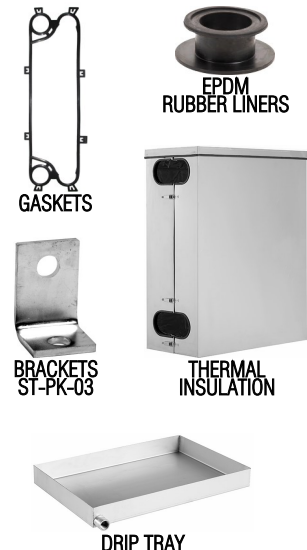


## HOW TO ORDER



## ACCESSORIES & SPARE PARTS

ITEM	PART NUMBER
EPDM SPARE GASKET	G190-E
NBR SPARE GASKET	G190-N
RUBBER LINERS suitable for contact with drinking water and food	KIT_BOECDN065
REMOVABLE THERMAL INSULATION   SMALL SIZE 7 to 45 plates	ISOL_COMP_PK190-C
REMOVABLE THERMAL INSULATION   MEDIUM SIZE 46 to 95 plates	ISOL_COMP_PK190-M
REMOVABLE THERMAL INSULATION   LARGE SIZE 96 to 151 plates	ISOL_COMP_PK190-L
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size S   600×550×50 mm	VA0600X0550X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size M   600×850×50 mm	VA0600X0850X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size L   600×1300×50 mm	VA0600X1300X0050
PAINTED STEEL FLOOR MOUNTING BRACKETS	ST-PK-03
STUDS AND NUTS FOR FLANGED CONNECTIONS	KIT_BOLTDN065



# PK 200



## TECHNICAL DETAILS

### DIMENSIONS

H	Height	mm	1194
L	Width	mm	300
LU	Tie bolts lenght / size	mm	400 / S (7 ÷ 45 plates) 700 / M (46 ÷ 101 plates)
O	Horizontal centre distance	mm	126
V	Vertical centre distance	mm	894
T	Height from ground	mm	160
QS	Tightening torque	mm	2,8 × Number of plates (PN10) 2,9 × Number of plates (PN16)

### PLATES

Single plate heat transfer surface	m <sup>2</sup>	0,2
Volume per channel	litri	0,44

### FITTINGS

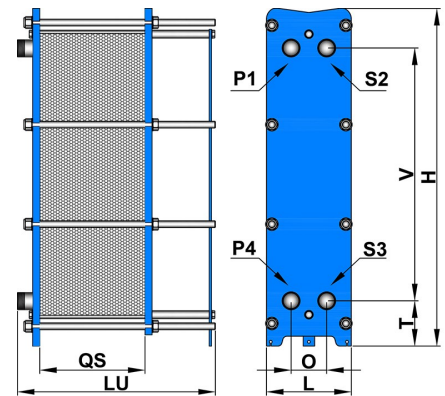
P1	Primary circuit inlet	Ø	2" M - Thread
P4	Primary circuit outlet	Ø	2" M - Thread
S2	Secondary circuit inlet	Ø	2" M - Thread
S3	Secondary circuit outlet	Ø	2" M - Thread

### WORKING CONDITIONS

Working pressure (min-max)	bar	ATM ÷ 10 (PN10) ATM ÷ 16 (PN16)
Working temperature (min-max)	°C	-10 ÷ 110

### WEIGHTS

Single plate	kg	0,8 (PN10) 1,0 (PN16)
Frame including tightening parts and fittings	kg	160










## HOW TO ORDER

<b>PLATES MATERIAL</b> 4 → Stainless Steel 304 6 → Stainless Steel 316L	<b>PLATES THICKNESS</b> 4 → Thick 0,4 mm (PN10) 5 → Thick 0,5 mm (PN16)	<b>GASKETS MATERIAL</b> N → NBR (max 130°C) E → EPDM (max 150°C)	<b>PHE WORKING PRESSURE</b> 0 → PN10 (plates 0,4 mm) 6 → PN16 (plates 0,5 mm)	<b>S</b> → Tie bolts S <b>M</b> → Tie bolts M	Plates no.
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**PK 200 - 4 4 E 0 S / 045**

## ACCESSORIES & SPARE PARTS

ITEM	PART NUMBER	
EPDM SPARE GASKET	G200-E	
NBR SPARE GASKET	G200-N	
REMOVABLE THERMAL INSULATION   SMALL SIZE 7 to 45 plates	ISOL_COMP_PK_200-C	
REMOVABLE THERMAL INSULATION   MEDIUM SIZE 46 to 101 plates	ISOL_COMP_PK_200-M	
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size S   400×450×50 mm	VA0400X0450X0050	
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size M   400×750×50 mm	VA0400X0750X0050	
PAINTED STEEL FLOOR MOUNTING BRACKETS	ST-PK-02	

# PK 210

## TECHNICAL DETAILS

### DIMENSIONS

H	Height	mm	1082
L	Width	mm	460
LU	Tie bolts length / size	mm	400 / S (7 ÷ 45 plates) 700 / M (46 ÷ 95 plates) 1100 / L (96 ÷ 151 plates) 1400 / X (152 ÷ 194 plates)
O	Horizontal centre distance	mm	225
V	Vertical centre distance	mm	719
T	Height from ground	mm	200
QS	Tightening torque	mm	2,9 × Number of plates (PN10) 3,0 × Number of plates (PN16)

### PLATES

Single plate heat transfer surface	m <sup>2</sup>	0,21
Volume per channel	litri	0,6

### FITTINGS

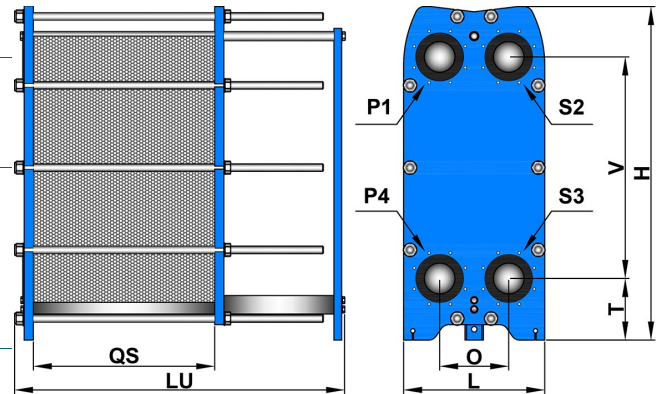
P1	Primary circuit inlet	∅	DN100 PN16 - Flange
P4	Primary circuit outlet	∅	DN100 PN16 - Flange
S2	Secondary circuit inlet	∅	DN100 PN16 - Flange
S3	Secondary circuit outlet	∅	DN100 PN16 - Flange

### WORKING CONDITIONS

Working pressure (min-max)	bar	ATM ÷ 10 (PN10) ATM ÷ 16 (PN16)
Working temperature (min-max)	°C	-10 ÷ 110

### WEIGHTS

Single plate	kg	1,25 (PN10) 1,56 (PN16)
Frame including tightening parts and fittings	kg	240



## HOW TO ORDER

<b>PLATES MATERIAL</b> 4 → Stainless Steel 304 6 → Stainless Steel 316L	<b>PLATES THICKNESS</b> 4 → Thick 0,4 mm (PN10) 5 → Thick 0,5 mm (PN16)	<b>GASKETS MATERIAL</b> N → NBR (max 130°C) E → EPDM (max 150°C)	<b>PHE WORKING PRESSURE</b> 0 → PN10 (plates 0,4 mm) 6 → PN16 (plates 0,5 mm)	S → Tie bolts S M → Tie bolts M L → Tie bolts L X → Tie bolts X	Plates no.
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**PK 210 - 6 5 E 6 S / 045**

## ACCESSORIES & SPARE PARTS

ITEM	PART NUMBER
EPDM SPARE GASKET	G210-E
NBR SPARE GASKET	G210-N
RUBBER LINERS suitable for contact with drinking water and food	KIT_BOECDN100
REMOVABLE THERMAL INSULATION   SMALL SIZE <i>7 to 45 plates</i>	ISOL_COMP_PK210-C
REMOVABLE THERMAL INSULATION   MEDIUM SIZE <i>46 to 95 plates</i>	ISOL_COMP_PK210-M
REMOVABLE THERMAL INSULATION   LARGE SIZE <i>96 to 151 plates</i>	ISOL_COMP_PK210-L
REMOVABLE THERMAL INSULATION   EXTRA-LARGE SIZE <i>152 to 194 plates</i>	ISOL_COMP_PK210-X
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" <i>PHE size S   600×550×50 mm</i>	VA0600X0550X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" <i>PHE size M   600×850×50 mm</i>	VA0600X0850X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" <i>PHE size L   600×1300×50 mm</i>	VA0600X1300X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" <i>PHE size XL   600×1600×50 mm</i>	VA0600X1300X0050
PAINTED STEEL FLOOR MOUNTING BRACKETS	ST-PK-03
STUDS AND NUTS FOR FLANGED CONNECTIONS	KIT_BOLTDN100



# PK 220

## TECHNICAL DETAILS

### DIMENSIONS

H	Height	mm	1082
L	Width	mm	460
LU	Tie bolts length / size	mm	400 / S (7 ÷ 31 plates) 700 / M (32 ÷ 65 plates) 1100 / L (66 ÷ 99 plates) 1400 / X (100 ÷ 146 plates)
O	Horizontal centre distance	mm	225
V	Vertical centre distance	mm	719
T	Height from ground	mm	200
QS	Tightening torque	mm	4,4 × Number of plates (PN16)

### PLATES

Single plate heat transfer surface	m <sup>2</sup>	0,24
Volume per channel	litri	0,75

### FITTINGS

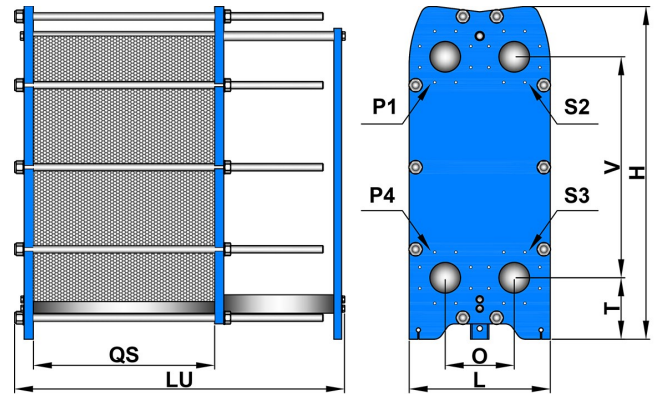
P1	Primary circuit inlet	Ø	DN100 PN16 - Flange
P4	Primary circuit outlet	Ø	DN100 PN16 - Flange
S2	Secondary circuit inlet	Ø	DN100 PN16 - Flange
S3	Secondary circuit outlet	Ø	DN100 PN16 - Flange

### WORKING CONDITIONS

Working pressure (min-max)	bar	ATM ÷ 16 (PN16)
Working temperature (min-max)	°C	-10 ÷ 110

### WEIGHTS

Single plate	kg	1,56 (PN16)
Frame including tightening parts and fittings	kg	240



## HOW TO ORDER

<b>PLATES MATERIAL</b> 4 → Stainless Steel 304 6 → Stainless Steel 316L	<b>PLATES THICKNESS</b> 5 → Thick 0,5 mm (PN16)	<b>GASKETS MATERIAL</b> N → NBR (max 130°C) E → EPDM (max 150°C)	<b>PHE WORKING PRESSURE</b> 0 → PN10 (plates 0,4 mm) 6 → PN16 (plates 0,5 mm)	S → Tie bolts S M → Tie bolts M L → Tie bolts L X → Tie bolts X	Plates no.
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PK 220 - 4 5 E 6 S / 045

## ACCESSORIES & SPARE PARTS

### ITEM

### PART NUMBER

EPDM SPARE GASKET	G220-E
NBR SPARE GASKET	G220-N
RUBBER LINERS suitable for contact with drinking water and food	KIT_BOECDN100
REMOVABLE THERMAL INSULATION   SMALL SIZE <i>7 to 31 plates</i>	ISOL_COMP_PK210-C
REMOVABLE THERMAL INSULATION   MEDIUM SIZE <i>32 to 65 plates</i>	ISOL_COMP_PK210-M
REMOVABLE THERMAL INSULATION   LARGE SIZE <i>66 to 99 plates</i>	ISOL_COMP_PK210-L
REMOVABLE THERMAL INSULATION   EXTRA-LARGE SIZE <i>100 to 146 plates</i>	ISOL_COMP_PK210-X
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" <i>PHE size S   600×550×50 mm</i>	VA0600X0550X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" <i>PHE size M   600×850×50 mm</i>	VA0600X0850X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" <i>PHE size L   600×1300×50 mm</i>	VA0600X1300X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" <i>PHE size XL   600×1600×50 mm</i>	VA0600X1600X0050
PAINTED STEEL FLOOR MOUNTING BRACKETS	ST-PK-03
STUDS AND NUTS FOR FLANGED CONNECTIONS	KIT_BOLTDN100



# PK 310

## TECHNICAL DETAILS

### DIMENSIONS

H	Height	mm	1297
L	Width	mm	395
LU	Tie bolts lenght / size	mm	400 / S (7÷45 plates) 700 / M (46÷95 plates) 1100 / L (96÷151 plates)
O	Horizontal centre distance	mm	192
V	Vertical centre distance	mm	1050
T	Height from ground	mm	132
QS	Tightening torque	mm	2,55 × Number of plates (PN10) 2,65 × Number of plates (PN16)

### PLATES

Single plate heat transfer surface	m <sup>2</sup>	0,31
Volume per channel	litri	1,15

### FITTINGS

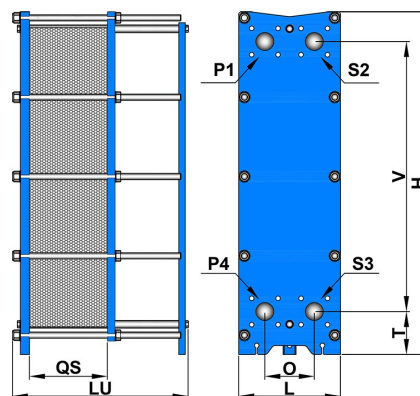
P1	Primary circuit inlet	Ø	DN65 PN16 - Flange
P4	Primary circuit outlet	Ø	DN65 PN16 - Flange
S2	Secondary circuit inlet	Ø	DN65 PN16 - Flange
S3	Secondary circuit outlet	Ø	DN65 PN16 - Flange

### WORKING CONDITIONS

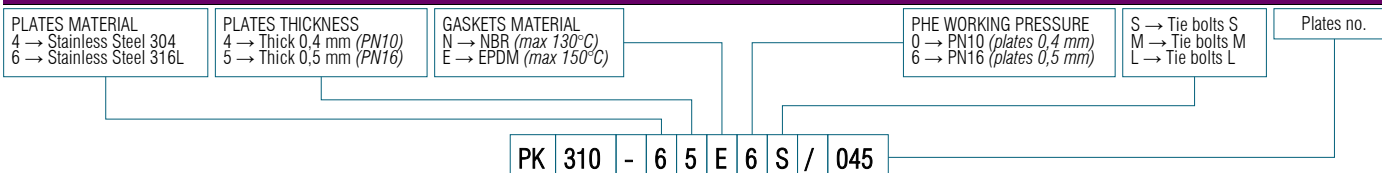
Working pressure (min-max)	bar	ATM ÷ 10 (PN10) ATM ÷ 16 (PN16)
Working temperature (min-max)	°C	-10 ÷ 110

### WEIGHTS

Single plate	kg	1,0 (PN10) 1,3 (PN16)
Frame including tightening parts and fittings	kg	285

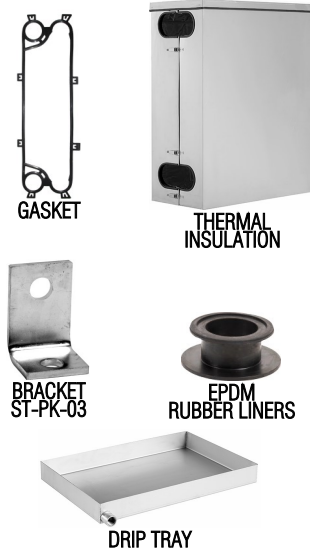


## HOW TO ORDER



## ACCESSORIES & SPARE PARTS

ITEM	PART NUMBER
EPDM SPARE GASKET	G310-E
NBR SPARE GASKET	G310-N
RUBBER LINERS suitable for contact with drinking water and food	KIT_BOECDN065
REMOVABLE THERMAL INSULATION   SMALL SIZE <i>7 to 45 plates</i>	ISOL_COMP_PK310-C
REMOVABLE THERMAL INSULATION   MEDIUM SIZE <i>46 to 95 plates</i>	ISOL_COMP_PK310-M
REMOVABLE THERMAL INSULATION   LARGE SIZE <i>96 to 151 plates</i>	ISOL_COMP_PK310-L
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" <i>PHE size S   600×550×50 mm</i>	VA0600X0550X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" <i>PHE size M   600×850×50 mm</i>	VA0600X0850X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" <i>PHE size L   600×1300×50 mm</i>	VA0600X1300X0050
PAINTED STEEL FLOOR MOUNTING BRACKETS	ST-PK-03
STUDS AND NUTS FOR FLANGED CONNECTIONS	KIT_BOLTDN065



# PK 410

## TECHNICAL DETAILS

### DIMENSIONS

H	Height	mm	1545
L	Width	mm	608
LU	Tie bolts length / size	mm	670 / S (31 ÷ 71 plates) 1140 / M (72 ÷ 151 plates) 1670 / L (152 ÷ 201 plates) 2170 / X (202 ÷ 265 plates)
O	Horizontal centre distance	mm	296
V	Vertical centre distance	mm	890
T	Height from ground	mm	277
QS	Tightening torque	mm	2,9 × Number of plates (PN10) 3,0 × Number of plates (PN16)

### PLATES

Single plate heat transfer surface	m <sup>2</sup>	0,41
Volume per channel	litri	1,25

### FITTINGS

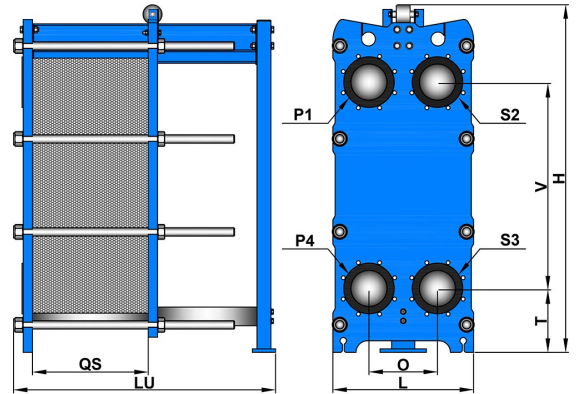
P1	Primary circuit inlet	Ø	DN150 PN16 - Flange
P4	Primary circuit outlet	Ø	DN150 PN16 - Flange
S2	Secondary circuit inlet	Ø	DN150 PN16 - Flange
S3	Secondary circuit outlet	Ø	DN150 PN16 - Flange

### WORKING CONDITIONS

Working pressure (min-max)	bar	ATM ÷ 10 (PN10) ATM ÷ 16 (PN16)
Working temperature (min-max)	°C	-10 ÷ 110

### WEIGHTS

Single plate	kg	1,80 (PN10) 2,25 (PN16)
Frame including tightening parts and fittings	kg	640



## HOW TO ORDER

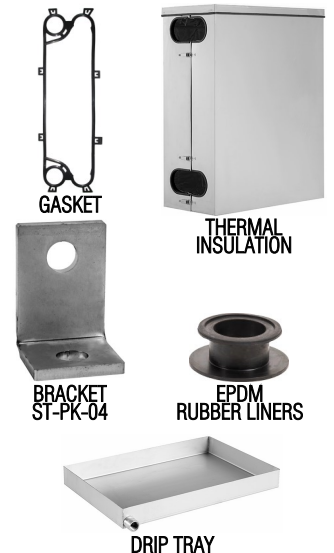
<b>PLATES MATERIAL</b> 4 → Stainless Steel 304 6 → Stainless Steel 316L	<b>PLATES THICKNESS</b> 4 → Thick 0,4 mm (PN10) 5 → Thick 0,5 mm (PN16)	<b>GASKETS MATERIAL</b> N → NBR (max 130°C) E → EPDM (max 150°C)	<b>PHE WORKING PRESSURE</b> 0 → PN10 (plates 0,4 mm) 6 → PN16 (plates 0,5 mm)	S → Tie bolts S M → Tie bolts M L → Tie bolts L X → Tie bolts X	Plates no.
<b>PK 410 - 4 5 E 6 S / 045</b>					

## ACCESSORIES & SPARE PARTS

### ITEM

### PART NUMBER

EPDM SPARE GASKET	G410-E
NBR SPARE GASKET	G410-N
RUBBER LINERS suitable for contact with drinking water and food	KIT_BOECDN150-4
REMOVABLE THERMAL INSULATION   SMALL SIZE 31 to 71 plates	ISOL_COMP_PK410-C
REMOVABLE THERMAL INSULATION   MEDIUM SIZE 72 to 151 plates	ISOL_COMP_PK410-M
REMOVABLE THERMAL INSULATION   LARGE SIZE 152 to 201 plates	ISOL_COMP_PK410-L
REMOVABLE THERMAL INSULATION   EXTRA-LARGE SIZE 202 to 265 plates	ISOL_COMP_PK410-X
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size S   750×850×50 mm	VA0750X0850X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size M   750×1350×50 mm	VA0750X1350X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size L   750×1850×50 mm	VA0750X1850X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size XL   750×2350×50 mm	VA0750X2350X0050
PAINTED STEEL FLOOR MOUNTING BRACKETS	ST-PK-04
STUDS AND NUTS FOR FLANGED CONNECTIONS	KIT_BOLTDN150



# PK 470

## TECHNICAL DETAILS

### DIMENSIONS

H	Height	mm	1727
L	Width	mm	454
LU	Tie bolts lenght / size	mm	700 / S (31 ÷ 95 plates) 1100 / M (96 ÷ 151 plates) 1400 / L (152 ÷ 194 plates)
O	Horizontal centre distance	mm	225
V	Vertical centre distance	mm	1365
T	Height from ground	mm	200
QS	Tightening torque	mm	2,9 × Number of plates <i>PN10</i> 3,0 × Number of plates <i>PN16</i>

### PLATES

Single plate heat transfer surface	m <sup>2</sup>	0,47
Volume per channel	litri	1,15

### FITTINGS

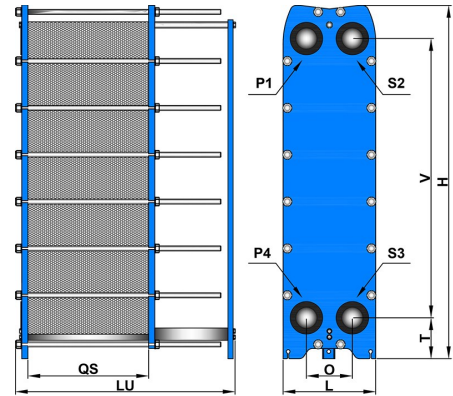
P1	Primary circuit inlet	Ø	DN100 PN16 - Flange
P4	Primary circuit outlet	Ø	DN100 PN16 - Flange
S2	Secondary circuit inlet	Ø	DN100 PN16 - Flange
S3	Secondary circuit outlet	Ø	DN100 PN16 - Flange

### WORKING CONDITIONS

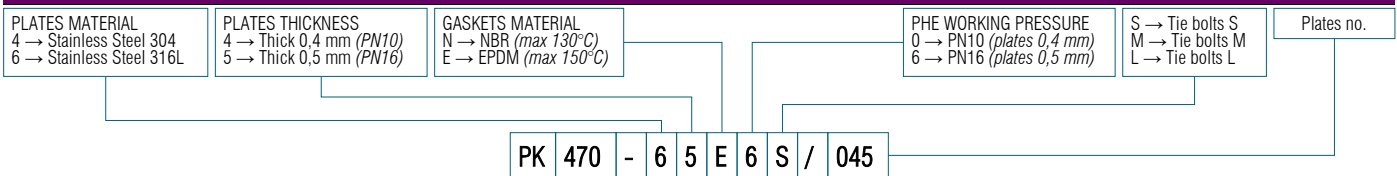
Working pressure (min-max)	bar	ATM ÷ 10 ( <i>PN10</i> ) ATM ÷ 16 ( <i>PN16</i> )
Working temperature (min-max)	°C	-10 ÷ 110

### WEIGHTS

Single plate	kg	2,0 ( <i>PN10</i> ) 2,5 ( <i>PN16</i> )
Frame including tightening parts and fittings	kg	600



## HOW TO ORDER



## ACCESSORIES & SPARE PARTS

ITEM	PART NUMBER
EPDM SPARE GASKET	G470-E
NBR SPARE GASKET	G470-N
RUBBER LINERS suitable for contact with drinking water and food	KIT_BOECDN100
REMOVABLE THERMAL INSULATION   SMALL SIZE <i>31 to 95 plate</i>	ISOL_COMP_PK470-C
REMOVABLE THERMAL INSULATION   MEDIUM SIZE <i>96 to 151 plates</i>	ISOL_COMP_PK470-M
REMOVABLE THERMAL INSULATION   LARGE SIZE <i>152 to 194 plates</i>	ISOL_COMP_PK470-L
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" <i>PHE size S   600×850×50 mm</i>	VA0600X0850X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" <i>PHE size M   600×1300×50 mm</i>	VA0600X1300X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" <i>PHE size L   600×1600×50 mm</i>	VA0600X1600X0050
PAINTED STEEL FLOOR MOUNTING BRACKETS	ST-PK-03
STUDS AND NUTS FOR FLANGED CONNECTIONS	KIT_BOLTDN100



# PK 620

## TECHNICAL DETAILS

### DIMENSIONS

H	Height	mm	1901
L	Width	mm	608
LU	Tie bolts length / size	mm	680 / S (31 ÷ 71 plates) 1150 / M (72 ÷ 151 plates) 1680 / L (152 ÷ 201 plates) 2180 / X (202 ÷ 265 plates)
O	Horizontal centre distance	mm	296
V	Vertical centre distance	mm	1292
T	Height from ground	mm	275
QS	Tightening torque	mm	2,9 × Number of plates (PN10) 3,0 × Number of plates (PN16)

### PLATES

Single plate heat transfer surface	m <sup>2</sup>	0,62
Volume per channel	litri	2,1

### FITTINGS

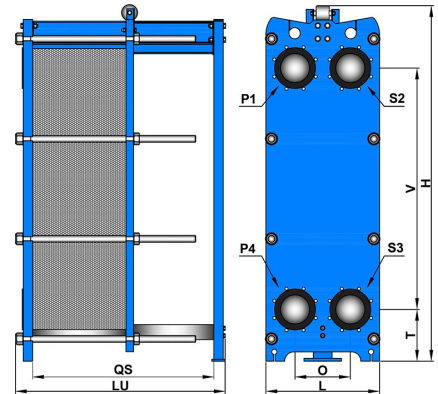
P1	Primary circuit inlet	Ø	DN150 PN16 - Flange
P4	Primary circuit outlet	Ø	DN150 PN16 - Flange
S2	Secondary circuit inlet	Ø	DN150 PN16 - Flange
S3	Secondary circuit outlet	Ø	DN150 PN16 - Flange

### WORKING CONDITIONS

Working pressure (min-max)	bar	ATM ÷ 10 (PN10) ATM ÷ 16 (PN16)
Working temperature (min-max)	°C	-10 ÷ 110

### WEIGHTS

Single plate	kg	2,4 (PN10) 3,0 (PN16)
Frame including tightening parts and fittings	kg	900



## HOW TO ORDER

<b>PLATES MATERIAL</b> 4 → Stainless Steel 304 6 → Stainless Steel 316L	<b>PLATES THICKNESS</b> 4 → Thick 0,4 mm (PN10) 5 → Thick 0,5 mm (PN16)	<b>GASKETS MATERIAL</b> N → NBR (max 130°C) E → EPDM (max 150°C)	<b>PHE WORKING PRESSURE</b> 0 → PN10 (plates 0,4 mm) 6 → PN16 (plates 0,5 mm)	S → Tie bolts S M → Tie bolts M L → Tie bolts L X → Tie bolts X	Plates no.
<b>PK 620 - 4 5 E 6 S / 045</b>					

## ACCESSORIES & SPARE PARTS

ITEM	PART NUMBER
EPDM SPARE GASKET	G620-E
NBR SPARE GASKET	G620-N
RUBBER LINERS suitable for contact with drinking water and food	KIT_BOECDN150-5
REMOVABLE THERMAL INSULATION   SMALL SIZE 31 to 71 plates	ISOL_COMP_PK620-C
REMOVABLE THERMAL INSULATION   MEDIUM SIZE 72 to 151 plates	ISOL_COMP_PK620-M
REMOVABLE THERMAL INSULATION   LARGE SIZE 152 to 201 plates	ISOL_COMP_PK620-L
REMOVABLE THERMAL INSULATION   EXTRA-LARGE SIZE 202 to 265 plates	ISOL_COMP_PK620-X
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size S   750×850×50 mm	VA0750X0850X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size M   750×1350×50 mm	VA0750X1350X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size L   750×1850×50 mm	VA0750X1850X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size XL   750×2350×50 mm	VA0750X2350X0050
PAINTED STEEL FLOOR MOUNTING BRACKETS	ST-PK-04
STUDS AND NUTS FOR FLANGED CONNECTIONS	KIT_BOLTDN150



# PK 860

## TECHNICAL DETAILS

### DIMENSIONS

H	Height	mm	2303
L	Width	mm	608
LU	Tie bolts lenght / size	mm	680 / S (31 ÷ 71 plates) 1150 / M (72 ÷ 151 plates) 1680 / L (152 ÷ 201 plates) 2180 / X (202 ÷ 265 plates)
O	Horizontal centre distance	mm	296
V	Vertical centre distance	mm	1694
T	Height from ground	mm	275
QS	Tightening torque	mm	3,0 × Number of plates (PN16)

### PLATES

Single plate heat transfer surface	m <sup>2</sup>	0,86
Volume per channel	litri	3,0

### FITTINGS

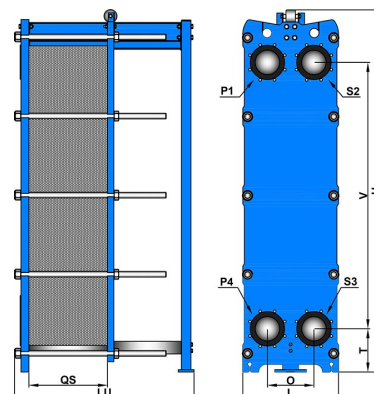
P1	Primary circuit inlet	Ø	DN150 PN16 - Flange
P4	Primary circuit outlet	Ø	DN150 PN16 - Flange
S2	Secondary circuit inlet	Ø	DN150 PN16 - Flange
S3	Secondary circuit outlet	Ø	DN150 PN16 - Flange

### WORKING CONDITIONS

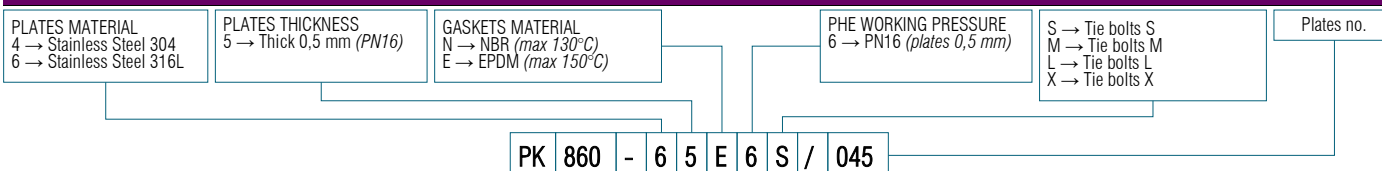
Working pressure (min-max)	bar	ATM ÷ 16 (PN16)
Working temperature (min-max)	°C	-10 ÷ 110

### WEIGHTS

Single plate	kg	4,0 (PN16)
Frame including tightening parts and fittings	kg	1100



## HOW TO ORDER



## ACCESSORIES & SPARE PARTS

ITEM	PART NUMBER
EPDM SPARE GASKET	G860-E
NBR SPARE GASKET	G860-N
RUBBER LINERS suitable for contact with drinking water and food	KIT_BOECDN150-5
REMOVABLE THERMAL INSULATION   SMALL SIZE 31 to 71 plates	ISOL_COMP_PK860-C
REMOVABLE THERMAL INSULATION   MEDIUM SIZE 72 to 151 plates	ISOL_COMP_PK860-M
REMOVABLE THERMAL INSULATION   LARGE SIZE 152 to 201 plates	ISOL_COMP_PK860-L
REMOVABLE THERMAL INSULATION   EXTRA-LARGE SIZE 202 to 265 plates	ISOL_COMP_PK860-X
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size S   750×850×50 mm	VA0750X0850X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size M   750×1350×50 mm	VA0750X1350X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size L   750×1850×50 mm	VA0750X1850X0050
STAINLESS STEEL AISI 304 DRIP TRAY with drain connection 1/2" PHE size XL   750×2350×50 mm	VA0750X2350X0050
PAINTED STEEL FLOOR MOUNTING BRACKETS	ST-PK-04
STUDS AND NUTS FOR FLANGED CONNECTIONS	KIT_BOLTDN150



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