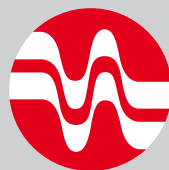


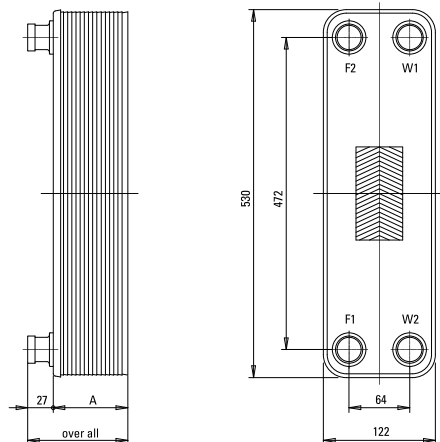
ADVANCED
HEAT TRANSFER
SOLUTIONS

BRAZED PLATE HEAT EXCHANGERS



ONDA

VERSIONE NORMALE STANDARD / STANDARD NORMAL VERSION

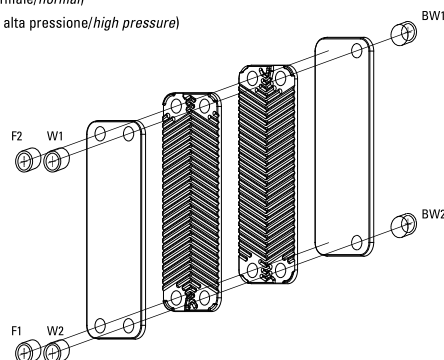
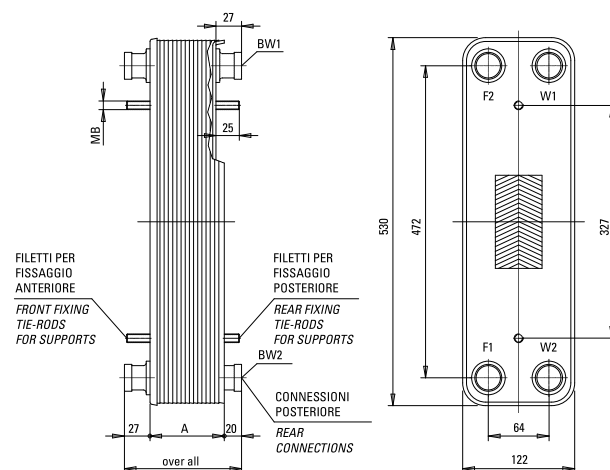


$A = (N_p \times 2,45) + 12$ (versione/version S82-S82D normale/norma)

$A = (N_p \times 2,45) + 20$ (versione/version S82H-S82DH alta pressione/high pressure)

ACCESSORI POSSIBILI/OPTIONAL ON REQUEST

DA SPECIFICARE IN FASE D'ORDINE/TO BE SPECIFIED ON ORDER



DATI TECNICI - TECHNICAL DATA

VERSIONE / VERSION		S82 - S82D		S82H - S82HD (R410A)		
POTENZA "in condizioni standard di lavoro	CAPACITY (nominal conditions)	85 kW				
		Circuito - Circuit				
PRESSIONE MASSIMA DI LAVORO	MAXIMUM ALLOVABLE WORKING PRESSURE	50°C	F1-F2: 46 bar	W1-W2: 40 bar	F1-F2: 57 bar	W1-W2: 52 bar
		120°C	F1-F2: 36 bar	W1-W2: 31 bar	F1-F2: 45 bar	W1-W2: 41 bar
		300°C	F1-F2: 26 bar	W1-W2: 23 bar	F1-F2: 33 bar	W1-W2: 30 bar
TEMPERATURA MINIMA DI LAVORO	MIN. DESIGN TEMPERATURE	- 100 °C (-148 °F)				
TEMPERATURA MASSIMA DI LAVORO	MAX DESIGN TEMPERATURE	+ 300 °C (+572 °F)				
NUMERO DI PIASTRE "NP"	NUMBER OF PLATES	min.: 8		max: 120		
NUMERO DI CAMERE	NUMBER PER CHAMBER	Circ./Circuit side F1-F2: (NP/2-1)		Circ./Circuit side W1-W2: (NP/2)		
VOLUME PER CAMERA	VOLUME PER CHAMBER	0,115 litri/liters				
PORTATA MASSIMA	TOTAL FLOW RATE	 m³/h				
PERO COMPLESSIVO "P"	TOTAL WEIGHT	P=Np x 0.206 + 2,5 kg		P=Np x 0.206 + 6,5 kg		
CONNESSIONE STANDARD CIRCUITO	STANDARD CONNECTION FOR CIRCUIT	F1:	ODS 22		F2:	ODS 35
		W1:	G 1" 1/4 Conico/ Conical		W2:	G 1" 1/4 Conico/ Conical
CONNESSIONI A RICHIESTA "Da specificare in fase d'ordine"	CONNECTION REQUIRED "To be specified on order"	ODS 28	G 1/2" Femmina/Female		DN 32	1" 1/4 Flexible Joint
			G 1" Conico/ Conical		DN 40	1" 1/2 Flexible Joint
			G 1" Cilindrico/Cylindrical		Rotalock (a richiesta) - (on request)	
			G 1" 1/4 Cilindrico/Cylindrical			

MATERIALI - MATERIALS

MATERIALE PIASTRA DI SCAMBIO:	PLATE HEAT EXCHANGER MATERIAL:	1.4401 - EN10028/7 "AISI 316L"
MATERIALE CONNESSIONI:	CONNECTIONS MATERIAL:	1.4401 - EN10028/7 "AISI 316L"
MATERIALE BRASANTE:	BRAZING MATERIAL:	RAME PURO / COPPER- Cu -

BRAZED PLATE HEAT EXCHANGERS

S09
12 kW

S22
28 kW

S12
30 kW

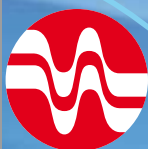
S82
85 kW

S202
220 kW

S222
220 kW dual circuit

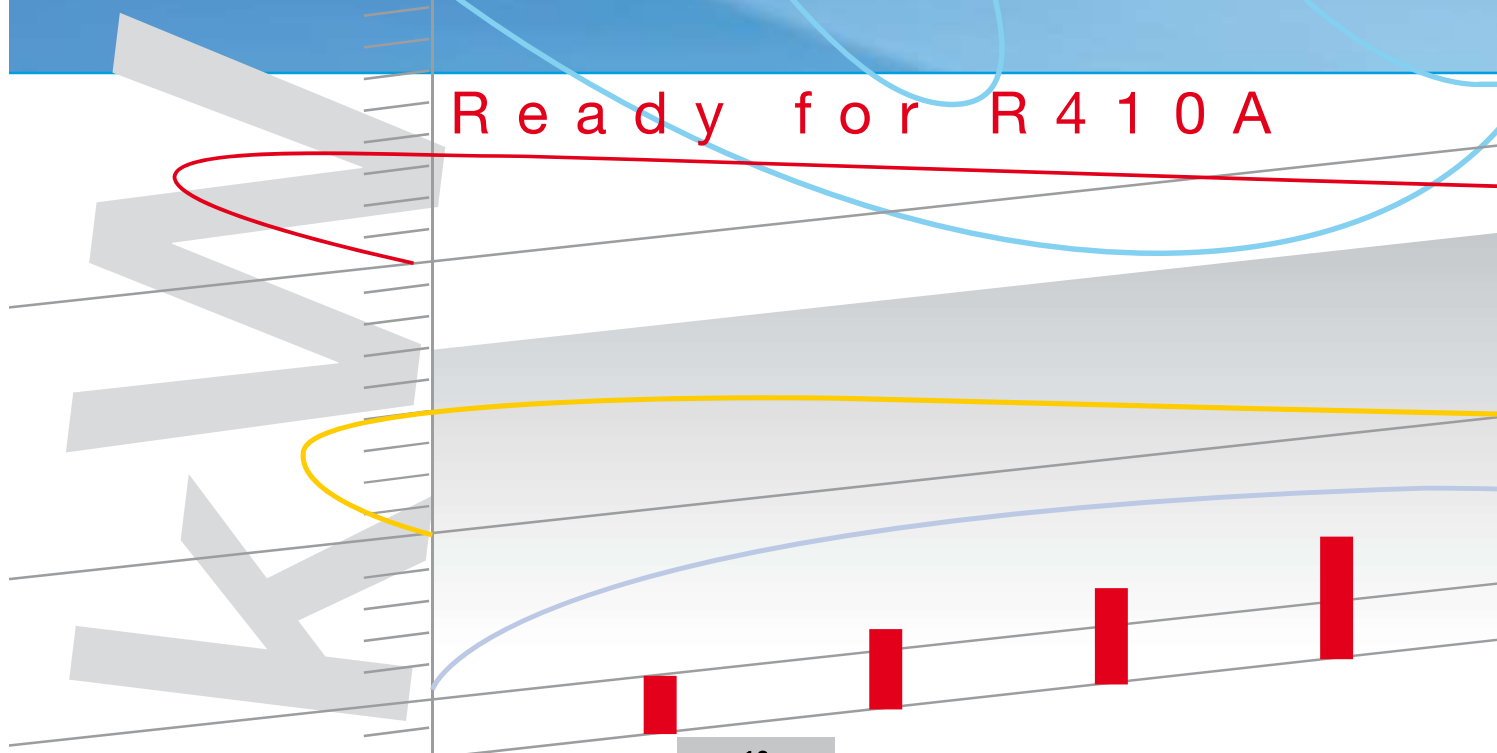


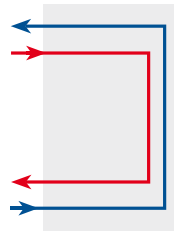
Advanced
Heat Transfer
Solutions



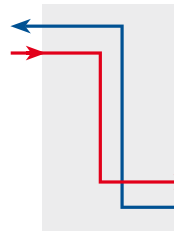
ONDA

Ready for R410A

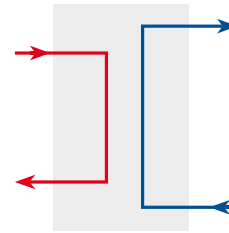




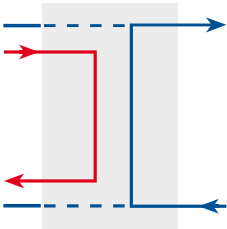
Standard
design model



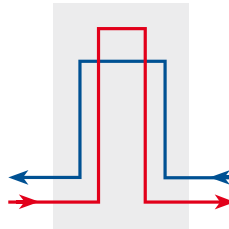
Z circuit
design



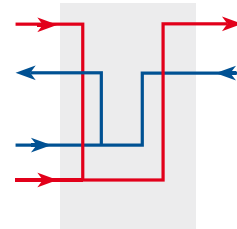
Double-U
design



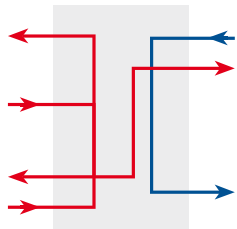
Double-U
Plus F3/F4
design



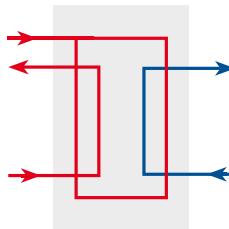
Multi pass
design



Two-Stage
design



Combination
plate heat
exchanger



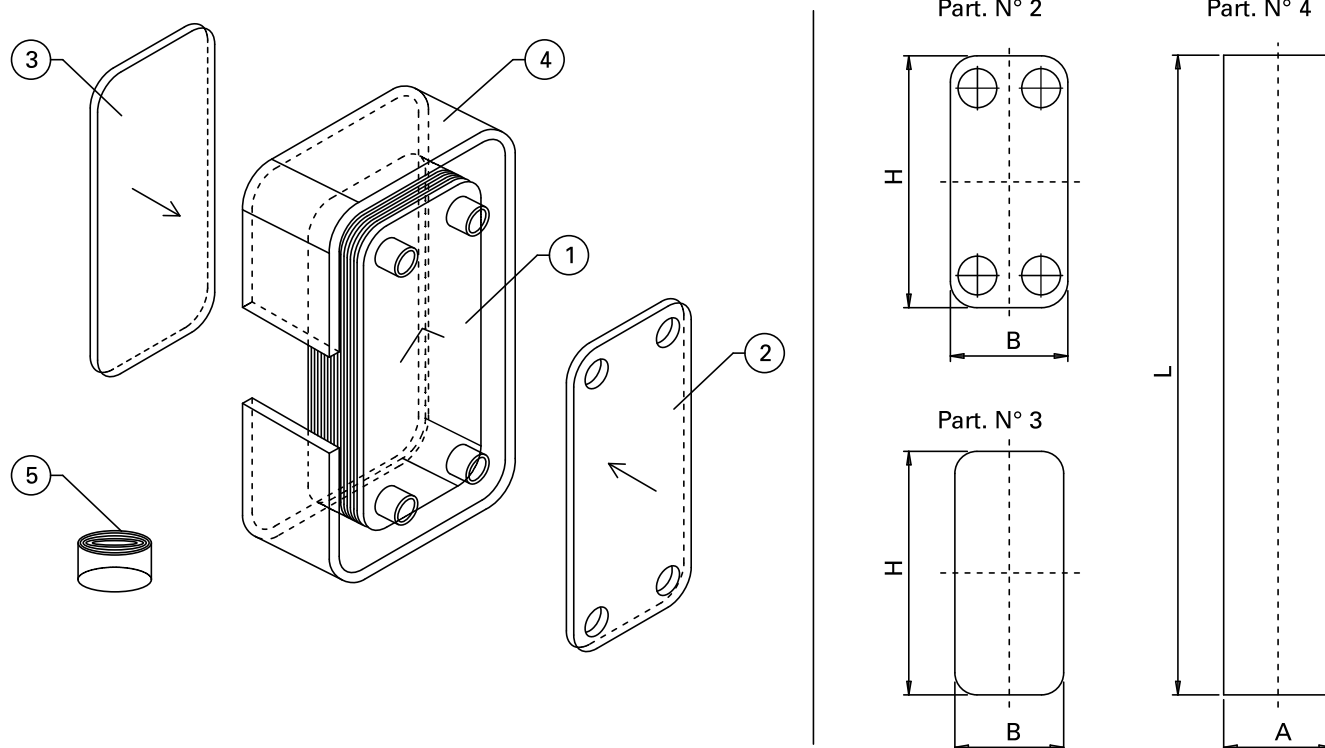
Two-circuit

COMBINAZIONE - TIPOLOGIA ATTACCHI / CONFIGURATION - CONNECTIONS NO.					MONOCIRCUITO / SINGLE CIRCUIT				CODICE / CODE PART	
4 att.									(Vedi pag. 3 / See page 3)	
	F1	F2			W1	W2				AA
	F1	F2					BW1	BW2		AB
	F1	F2			W1			BW2		AC
	F1	F2				W2	BW1			AD
		F2			W1		BW1		BF2	AE
		F2			W1			BW2	BF1	AF
	F1					W2		BW2	BF1	AG
	F1					W2	BW1		BF2	AH
5 att.										
	F1	F2			W1	W2	BW1			BA
	F1	F2			W1	W2		BW2		BB
	F1	F2			W1		BW1	BW2		BC
	F1	F2				W2	BW1	BW2		BD
6 att.										
	F1	F2			W1	W2	BW1	BW2		CA
	F1	F2			W1	W2			BF1	CB
	F1	F2			W1	W2	BW1		BF2	CC
	F1	F2			W1	W2		BW2	BF1	CD
8 att.										
	F1	F2			W1	W2	BW1	BW2	BF1	DA

COMBINAZIONE - TIPOLOGIA ATTACCHI / CONFIGURATION - CONNECTIONS NO.					BICIRCUITO / DOUBLE CIRCUIT				CODICE/ CODE PART	
6 att.									(Vedi pag. 3 / See page 3)	
	F1	F2	G1	G2			BW1	BW2		MA
	F1	F2	G1	G2	W1	W2				MB
7 att.										
	F1	F2	G1	G2	W1		BW1	BW2		NA
	F1	F2	G1	G2		W2	BW1	BW2		NB
	F1	F2	G1	G2	W1	W2	BW1			NC
	F1	F2	G1	G2	W1	W2		BW2		ND
8 att.										
	F1	F2	G1	G2	W1	W2	BW1	BW2		PA

COIBENTAZIONE - ISOLAMENTO

INSULATION



MATERIALE: POLIETILENE RETICOLATO ESPANSO

SPESSORE: 8 mm (a richiesta anche 16 mm)

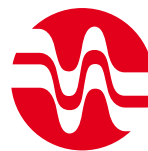
TEMP. LAVORO: da -50°C a +105°C

MATERIAL: EXPANDED RETICULAR POLYETHYLENE FOAM

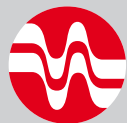
THICKNESS: 8 mm (16 mm on request)

MIN. MAX WORKING TEMPERATURE: from -50°C to +105°C

ISOLAMENTO SCAMBIATORI DI CALORE / INSULATION HEAT EXCHANGER		
1	SCAMBIATORE DI CALORE SALDOBRASATO	BRAZED PLATE HEATING HEAT EXCHANGER
2	RIVESTIMENTO PARTE FRONTALE CON BIADESIVO	FRONT ADHESIVE PANEL
3	RIVESTIMENTO PARTE INFERIORE CON BIADESIVO	REAR ADHESIVE PANEL
4	RIVESTIMENTO PARTE PERIMETRALE CON BIADESIVO	BORDER ADHESIVE PANEL
5	STRISCIA COPRIGIUNTURA (NASTRO DI COPERTURA)	COVER ADHESIVE STRIPE



DIMENSIONI ISOLAMENTO / INSULATION DIMENSIONS						
TIPO SCAMBIATORE HEAT EXCHANGERS TYPE		CODICE COIBENTAZIONE INSULATION CODE	DIMENSIONI / DIMENSIONS (mm)			
MODELLO/ MODEL	N°PIASTRE/PLATES		A	L	B	H
S09	0-20	PI800901	65	790	90	340
	22-40	PI800902	115			
	42-60	PI800903	165			
	62-80	PI800904	215			
S22	0-20	PI802201	65	1050	90	470
	22-40	PI802202	115			
	42-60	PI802203	165			
	62-80	PI802204	215			
S11 - S12	0-20	PI801201	65	800	135	310
	22-40	PI801202	115			
	42-60	PI801203	165			
	62-80	PI801204	215			
S71 - S72	0-20	PI807201	65	1220	135	515
	22-40	PI807202	115			
	42-60	PI807203	165			
	62-80	PI807204	215			
S82	0-20	PI808201	65	1275	135	540
	22-40	PI808202	115			
	42-60	PI808203	165			
	62-80	PI808204	215			
S202	0-20	PI820201	65	1485	255	540
	22-40	PI820202	115			
	42-60	PI820203	165			
	62-80	PI820204	215			
	82-100	PI820205	265			
S222	0-20	PI822201	65	1485	255	540
	22-40	PI822202	115			
	42-60	PI822203	165			
	92-80	PI822204	215			
	82-100	PI822205	265			
S404	0-20	PI840401	75	2035	315	760
	22-40	PI840402	135			
	42-60	PI840403	195			
	62-80	PI840404	255			
	82-100	PI840405	310			
S424	0-20	PI842401	75	2035	315	760
	22-40	PI842402	135			
	42-60	PI842403	195			
	62-80	PI842404	255			
	82-100	PI842405	310			



ONDA

Advanced
Heat Transfer
Solutions

Onda spa

Headquarter

via Lord Baden Powell, 11
36045 Lonigo (VI) Italy
T: +39 0444 720720
F. +39 0444 720721

Plate Division

via Vittoria, 158 A
36065 Mussolente (VI) Italy
T. +39 0424 87633
F. +39 0424 87744

Onda France spa

320, Avenue Berthelot
69371 Lyon France
T: +33 472784606
F. +33 472784807
www.onda-fr.com

www.onda-it.com
onda@onda-it.com