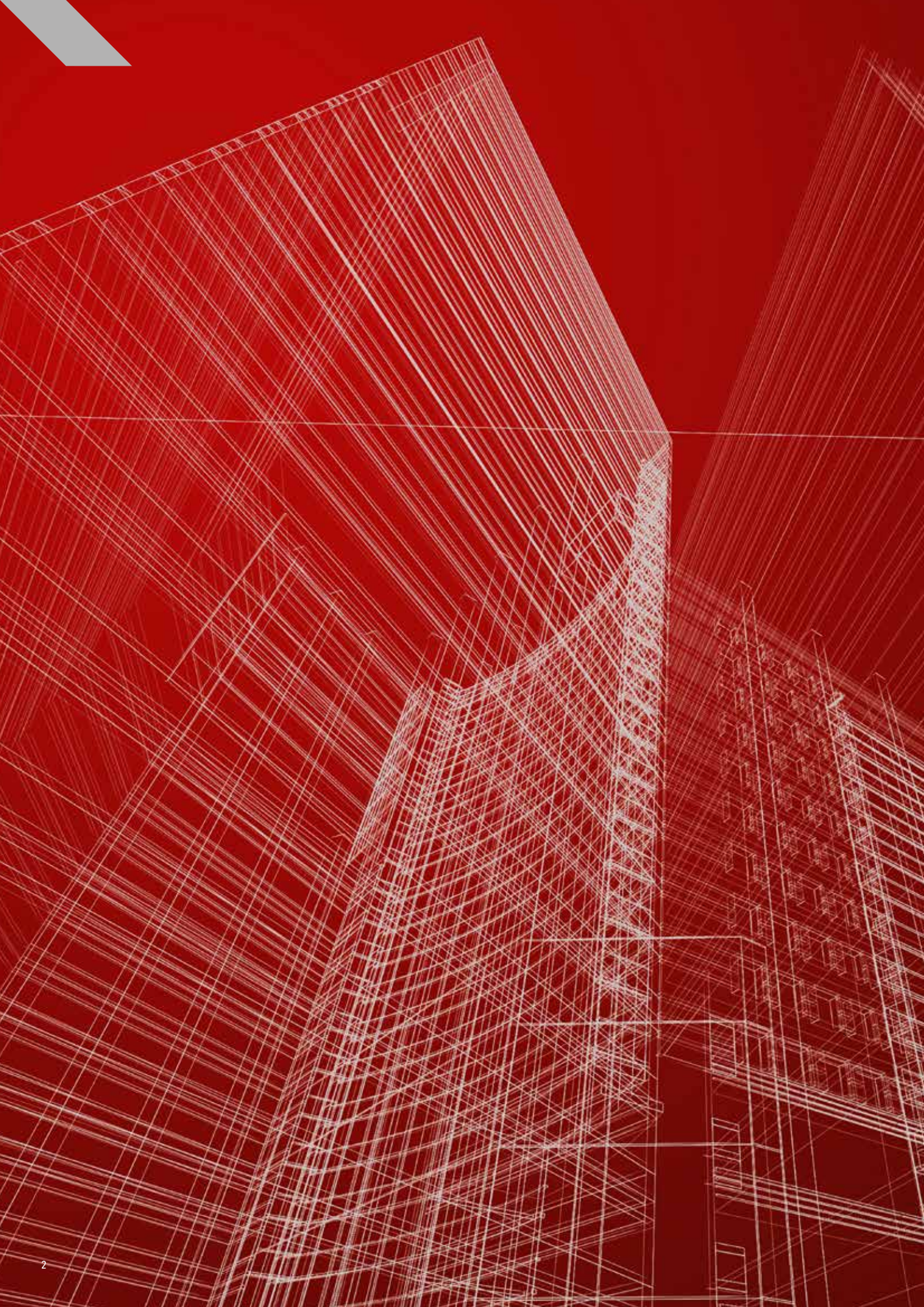
Vokèra COMMERCIAL BY RIELLO

Commercial Heating Solutions

- WALL HUNG BOILERS
- FLOOR STANDING BOILERS
- BOILER CASCADE SYSTEMS
- HEAT INTERFACE UNITS
- CYLINDERS & BUFFER VESSELS
- PLATE HEAT EXCHANGERS
- FLUE OPTIONS

EDITION 1.0



Contents

Content correct at time of print.

High power commercial heating solutions

A rich heritage of innovation

Since 1922 Riello has been unrivalled in innovation for heating technology. Today, Riello is a market leader with a worldwide presence and continue its rich heritage of innovation for current and future generations to come.

At Vokèra by Riello, we pride ourselves on our ability to offer heating solutions from conception to completion and beyond. We work closely with system designers and installers to ensure the right products are specified for the environment they operate in. With a broad portfolio of solutions, from individual boilers to full centralised plant including heat interface units and renewable technology, Vokèra by Riello really are the professional choice.

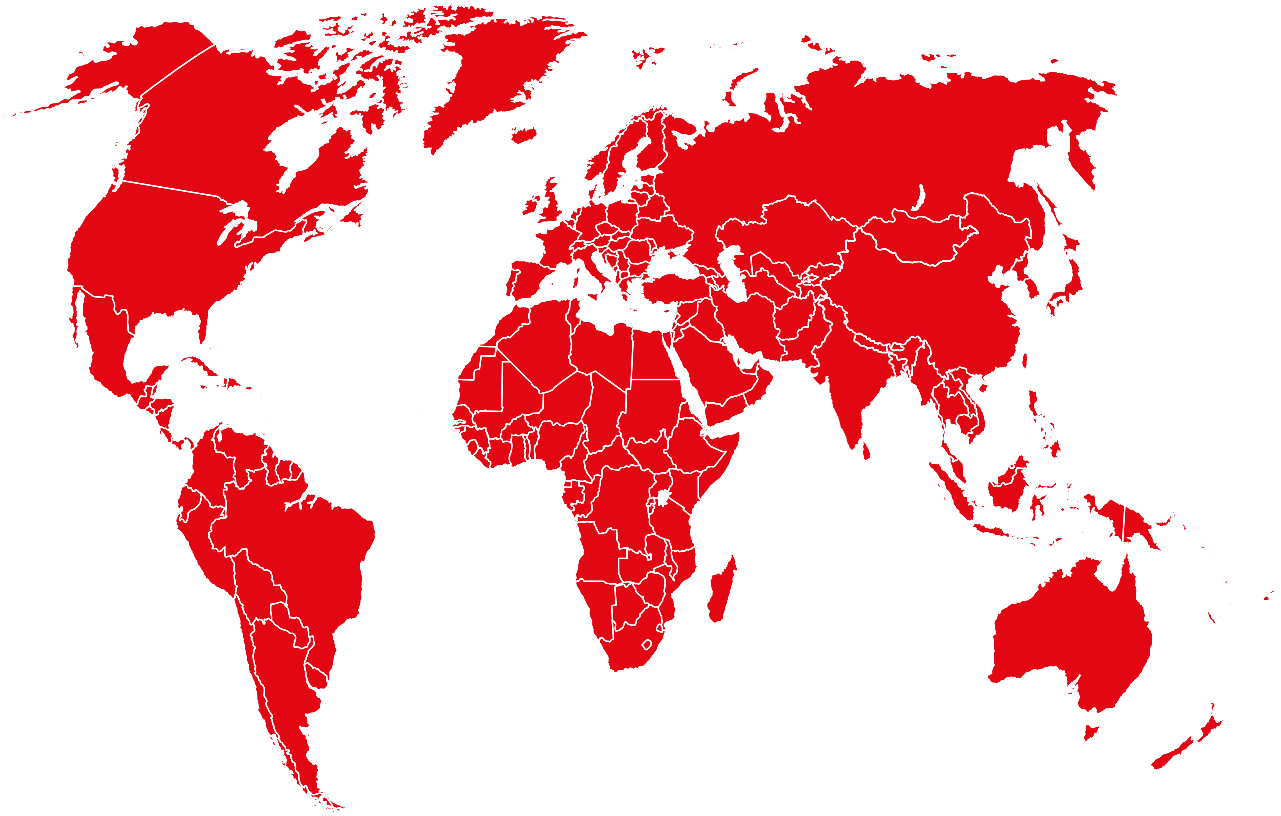
RIELLO

Monitor and control – No need for a Building Management System*

See page 36 for details of the CondexaPRO remote control.

*In some cases.

Riello, a worldwide presence



Riello has built a truly worldwide presence, operating in over 60 counties via its strategic partnerships and efficient sales network, with offices in Europe, North America and Asia. There are also 8 production plants as well as a world-renowned dedicated combustion research centre.

Continual research, innovation and collaboration ensures that we are able to design and develop market-leading commercial heating technologies that establish new global standards in terms of performance, practicality, energy efficiency and sustainability.

We continue to place a great deal of emphasis on after sales support and technical training. In the UK alone, Vokèra by Riello offers 2 bespoke commercial training centres, covering the full spectrum of training required for installers who want to learn more about the servicing, maintenance and installation of our heating equipment.

Vokèra by Riello, the professional of the plant room

Vokèra by Riello is recognised for the quality and reliability of its products, from condensing boilers and associated plant equipment to cylinders, heat interface units and renewable technologies. Vokèra by Riello is committed to reducing energy consumption and focus on manufacturing products that minimise impact on the environment.

The high efficiency and reliability of products, the line of comprehensive specific flues and accessories as well as the versatility of cascading options offer maximum flexibility for all plant room requirements for new build projects and the replacement market.

Vokèra by Riello is able to provide the product and the knowledge to ensure a reliable and successful installation. Our experienced Pre Sales support team can support each project from conception to completion – as well as beyond by our dedicated after sales service team.

Verve i50

Stand-alone high power wall hung condensing boiler

Ideal for larger domestic properties and small commercial applications.

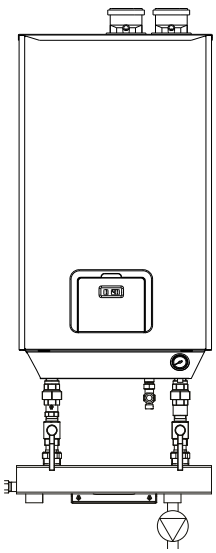
5 Year Warranty

Gas or LPG

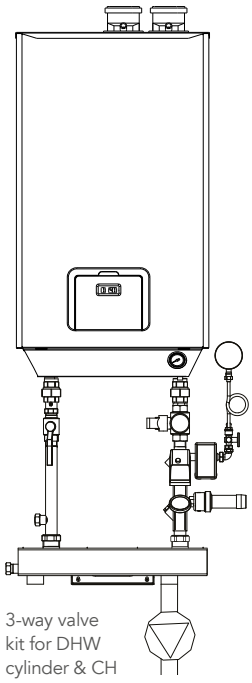
ErP Compliant

Radial Heat Exchanger

- Low NO_x class 5
- Solar thermal compatible
- Isolating valve kit as standard
- Built-in expansion vessel & pump
- 92.5% efficiency
- Optional hydraulic separator kit available
- Versatile flue options
- 4 Star class A efficiency†



Central heating only



3-way valve kit for DHW cylinder & CH

Central heating only

DESCRIPTION	CODE	QTY
VERVE BOILER	20117565	1
TAPS FOR SYSTEM	20028472	1
HYDRAULIC HEADER/SEPARATOR KIT	20028475	1
B23 AIR-INTAKE KIT	20028478	1
SECOND PUMP KIT FOR MAIN CH	*	1

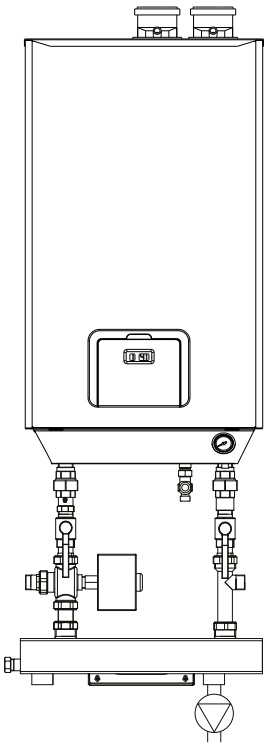
3-way valve kit for DHW cylinder & CH

DESCRIPTION	CODE	QTY
VERVE BOILER	20117565	1
TAPS FOR SYSTEM	20028472	1
HYDRAULIC HEADER/SEPARATOR KIT	20028475	1
B23 AIR-INTAKE KIT	20028478	1
3 WAY VALVE KIT FOR DHW CYLINDER	20028476	1
SOCKET PROBE FOR DHW CYLINDER-3M WIRE	1220599	1
SECOND PUMP KIT FOR MAIN CH	*	1

* For sizing advice contact Pre Sales

† According to EEC 92/42

TECHNICAL SPECIFICATIONS	
PRODUCT ORDER CODE	20117565
CENTRAL HEATING	
HEAT INPUT (kW)	50
MAXIMUM HEAT OUTPUT 60/80°C (kW)	44.2
MAXIMUM HEAT OUTPUT 50/30°C (kW)	48.5
DIMENSIONS	
HEIGHT (mm)	915
WIDTH (mm)	510
DEPTH (mm)	375
WEIGHT	
DRY WEIGHT (KG)	55
CONNECTIONS	
FLOW & RETURN	1"
GAS	22MM
SAFETY VALVE	15MM
CONDENSE	21MM
ELECTRICAL	
VOLTAGE (V/HZ)	230/50
FLUE DETAILS (CONCENTRIC)	
MAXIMUM HORIZONTAL FLUE LENGTH 60/100mm	20M
MAXIMUM VERTICAL FLUE LENGTH 60/100mm	20M
MAXIMUM HORIZONTAL FLUE LENGTH 80/125mm	30M
MAXIMUM VERTICAL FLUE LENGTH 80/125mm	30M
FLUE DETAILS (TWIN)	
MAXIMUM HORIZONTAL FLUE LENGTH (80mm/80mm)	25/25M
MAXIMUM VERTICAL FLUE LENGTH (80mm/80mm)	25/25M
EFFICIENCY	
ErP SEASONAL SPACE HEATING ENERGY EFFICIENCY (CLASS/%)	A/92.5
NO_x CLASS	5



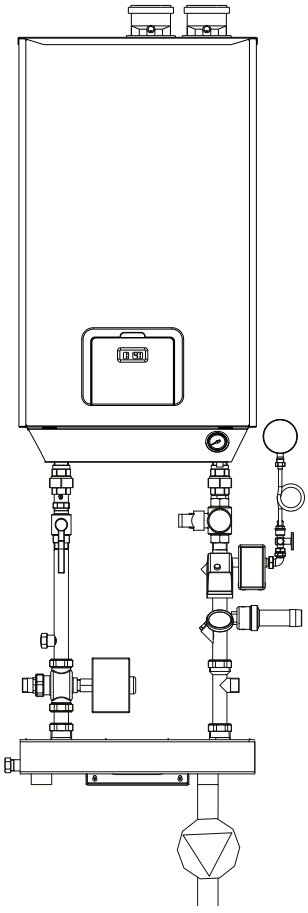
Central heating only with safety kit

Central heating only with safety kit

DESCRIPTION	CODE	QTY
VERVE BOILER	20117565	1
HYDRAULIC MANIFOLD WITH TAPS	20028473	1
SAFETY KIT	20028474	1
GAS SAFETY CUT OFF VALVE	20043895	1
HYDRAULIC HEADER/SEPARATOR KIT	20028475	1
B23 AIR-INTAKE KIT	20028478	1
SECOND PUMP KIT FOR MAIN CH	*	1

3-way valve kit for DHW cylinder & CH with safety kit

DESCRIPTION	CODE	QTY
VERVE BOILER	20117565	1
HYDRAULIC MANIFOLD WITH TAPS	20028473	1
SAFETY KIT	20028474	1
GAS SAFETY CUT OFF VALVE	20043895	1
HYDRAULIC HEADER/SEPARATOR KIT	20028475	1
B23 AIR-INTAKE KIT	20028478	1
3 WAY VALVE KIT FOR DHW CYLINDER	20028476	1
SOCKET PROBE FOR DHW CYLINDER-3M WIRE	1220599	1
SECOND PUMP KIT FOR MAIN CH	*	1



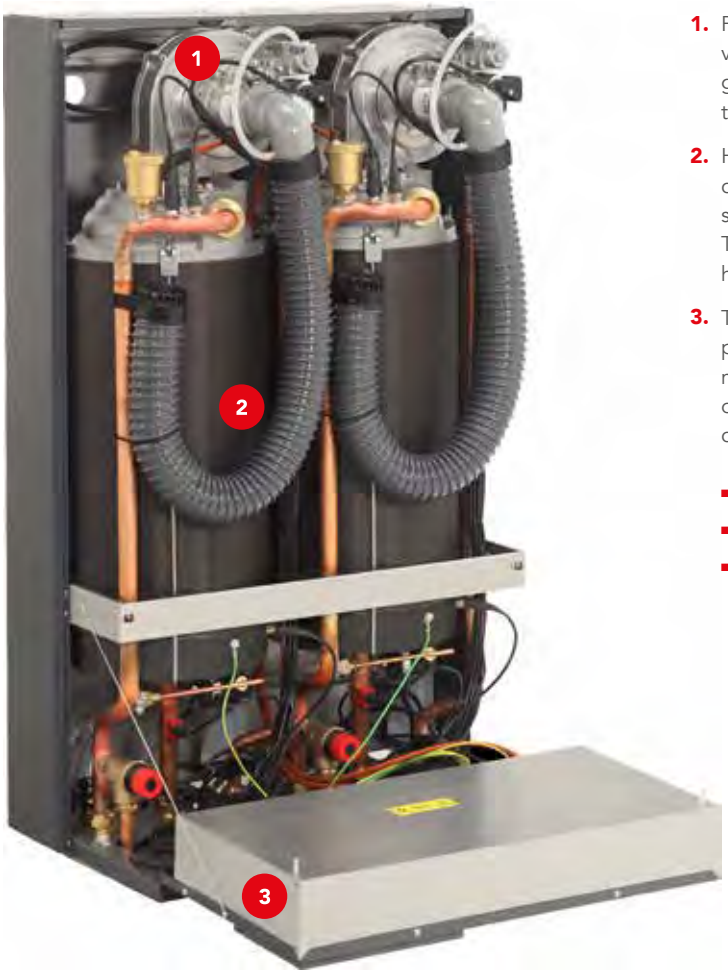
3-way valve kit for DHW cylinder & CH with safety kit

CONDEXAPRO 500 SERIES

CondexaPRO products are suitable for both new buildings and as a replacement on existing systems; for instance old non-efficient floor-standing boilers, and offer the highest efficiency at any time combined with maximum piece of mind. The 500 Series 50kW heat exchangers offer the CondexaPRO range versatile cascading options up to 3MW.

The structure

The CondexaPRO range consists of three output variations (50kW, 70kW & 100kW) either featuring one heat exchanger (50kW) or two heat exchangers (70kW & 100kW).



1. Pre-mix combustion group, consisting of a modulating gas valve integrated with a high total head fan. This system guarantees a constant calibrated gas and air mix, ensuring the highest efficiency under any running conditions.
2. High efficiency 50kW heat-exchanger consisting of a continuous bi-metal corrugated helical tube (copper on water side and AISI 316 stainless steel on flue side) inside a cover. The micro-flame burner is located in the upper part of the heat exchanger with single spark ignition.
3. The Master / Slave control system is located behind the front panel. It is made of a Master board that manages one or more Slave boards (according to the number of Slave boilers of the installation). The Master board, beside allowing the cascade installation of more Slave boilers, can manage:

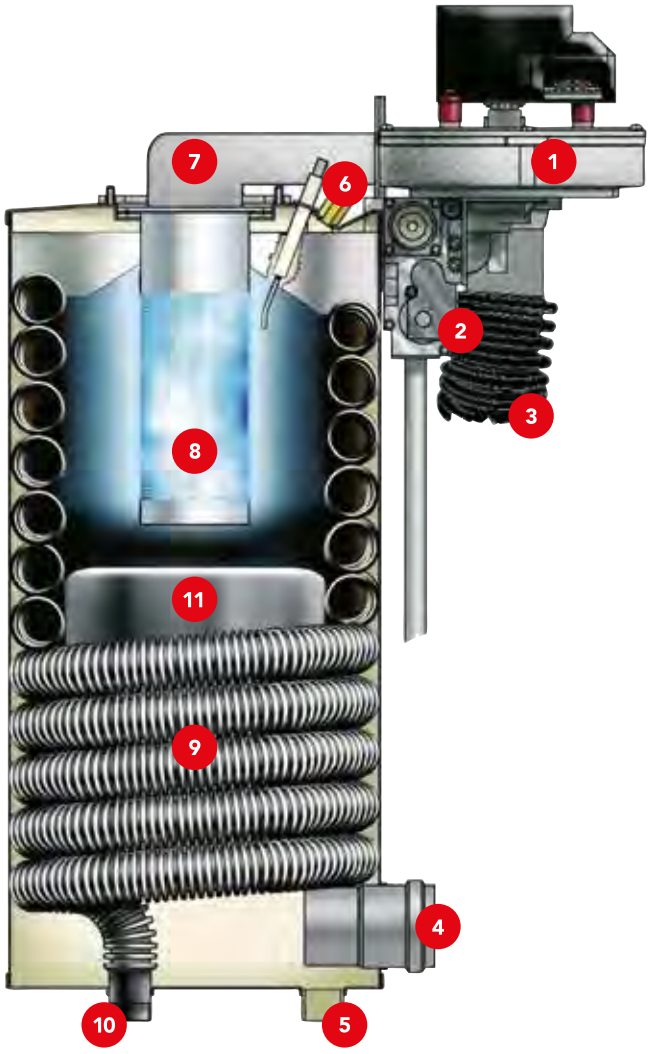
    - A high temperature circuit
    - A low temperature circuit
    - A DHW circuit, the temperature control function and the remote control panel

The technology: heat exchanger

The CondexaPRO condensing heat exchanger has a high exchange surface and an excellent corrosion resistance. It has a cylindrical shape and it is made of the following components:

- Micro-flame burner
- Stainless steel covering AISI 316L
- Continuous bi-metallic corrugated helical tube (copper alloy on the water side and stainless steel on the flue side), which is coiled up inside the cover
- Refractory brick which keeps the heat inside the combustion chamber and forces the flue gases over the heat exchanger, optimising the thermal heat exchange performance
- Plastic header on the flue outlet with a probe for the continuous control of the flues temperature
- CondexaPRO condensing heat exchanger achieved a 4 Star class A efficiency rating according to European Directive EEC 92/42

1. Fan
2. Gas valve
3. Air inlet pipe
4. Flue discharge pipe
5. Condensate discharge pipe
6. Single spark ignition and flamecontrol electrode
7. Flow pipe
8. Burner
9. Heat exchanger
10. Return pipe
11. Refractory brick



CondexaPRO 500 series heat exchanger

CondexaPRO 500

Wall hung and cascade solutions

Fully modulating condensing boilers. 4 models (50M, 70M, 100M, 100S) offer versatile cascading solutions to meet commercial building demands.

5 Year Warranty

3MW
Cascade Up To 3MW

NG/LPG
Gas or LPG

Riello Combustion

- Sophisticated multi-zone heating control and monitoring which may negate the need for a BMS in some cases
- 4 Star class A efficiency†
- Powerful high head fan
- Each combustion unit can be individually serviced or maintained without loss of other units
- Large heat exchanger surface area
- Copper & stainless steel heat exchanger
- 3 temperature circuits from boiler
- Up to 8 additional zones via zoning kits (available separately, see page 37)
- Versatile flue options
- Built-in water drain
- Automatic burner ignition sequence reversal
- Can work with water glycol mix up to 50%
- LPG conversion kit included as standard
- Built-in sequence control

Monitor and control – No need for a Building Management System*

See page 36 for details of the CondexaPRO remote control.

*In some cases.

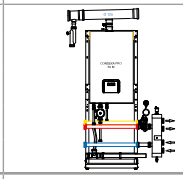
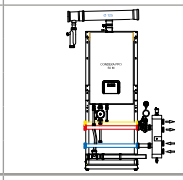
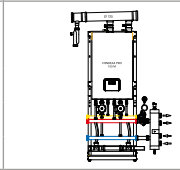
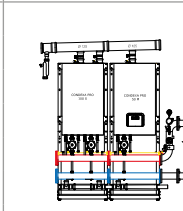
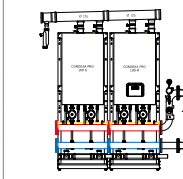
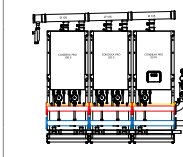
† According to EEC 92/42

TECHNICAL SPECIFICATIONS			CONDEXAPRO 50M	CONDEXAPRO 70M	CONDEXAPRO 100M	CONDEXAPRO 100S
PRODUCT ORDER CODE			20019678	20019201	20019311	20019677
FUEL			G20 - G25 - G2.350 - G27 - G30 - G31			
APPLIANCE CATEGORY			II2ELWLS3B/P - II2H3+ - I2E(S)B			
TYPE OF APPLIANCE			B23 - B53 - C13X - C33 X - C43X - C53X - C63 - C63X - C83 X			
HEAT INPUT REF. HHV (MIN-MAX)	G20	kW	16.3 - 50	16.3 - 77.3	16.3 - 100	16.3 - 100
HEAT INPUT REF. NHV (MIN-MAX)	G20	kW	15 - 45	15 - 59.6	15 - 90	15 - 90
USEFUL HEAT OUTPUT (80/60°C) (MIN-MAX)		kW	14.8 - 44.2	14.8 - 68.5	14.8 - 88.3	14.8 - 88.3
USEFUL HEAT OUTPUT (50/30°C) (MIN-MAX)		kW	16.3 - 48.5	16.3 - 75.3	16.3 - 96.8	16.3 - 96.8
USEFUL EFFICIENCY REF. NHV (80/60°C)		%	98.2	98.4	98.2	98.2
USEFUL EFFICIENCY REF. NHV (50/30°C)		%	107.7	108.2	107.7	107.7
USEFUL EFFICIENCY REF. NHV 30% (80/60°C)		%	98.7	108.7	98.7	98.7
USEFUL EFFICIENCY REF. NHV 30% (50/30°C)		%	108.7	108.7	108.7	108.7
LOSSES VIA THE FLUE WITH THE BURNER OPERATING		%	1.3	1.3	1.3	1.3
LOSSES VIA THE FLUE WITH THE BURNER OFF		%	0.1	0.1	0.1	0.1
LOSSES VIA THE CASING (TM = 70°C)		%	0.5	0.5	0.5	0.5
FLUE GAS TEMPERATURE		°C	RETURN TEMPERATURE 3 / 5°C			
CO_2 AT MINIMUM - MAXIMUM	G20	%	9 - 9	9 - 9	9 - 9	9 - 9
CO_2 AT MINIMUM - MAXIMUM	G30 - G31	%	10.4 - 10.4	10.4 - 10.4	10.4 - 10.4	10.4 - 10.4
CO WITHOUT AIR AT MINIMUM - MAXIMUM LESS THAN		mg/kW	11 - 91	11 - 91	11 - 91	11 - 91
NO_x CLASS			5	5	5	5
AIR FLOW RATE	G20	Nm3/h	58.78	88.84	117.56	117.56
AIR FLOW RATE	G30 - G31	Nm3/h	58.59	90.58	117.18	117.18
FLUE GAS RATE	G20	Nm3/h	71.04	114.52	142.08	142.08
FLUE GAS RATE	G30 - G31	Nm3/h	71.76	110.94	143.52	143.52
FLUE MASS GAS FLOW RATE (MAX - MIN)	G20	gr/s	20.57 - 6.6	31.08 - 6.6	41.14 - 6.6	41.14 - 6.6
FLUE MASS GAS FLOW RATE (MAX - MIN)	G30 - G31	gr/s	20.52 - 6.85	31.73 - 6.85	41.04 - 6.85	41.04 - 6.85
RESIDUAL HEAD OF BOILER FAN WITHOUT PIPES AT MIN HEAT OUTPUT		Pa	50	50	50	50
RESIDUAL HEAD OF BOILER FAN WITHOUT PIPES AT MAX HEAT OUTPUT		Pa	560	420	560	560
RESIDUAL HEAD OF BOILER FAN DOWNSTREAM OF CHOKE* AT MIN HEAT OUTPUT		Pa	40	40	40	40
RESIDUAL HEAD OF BOILER FAN DOWNSTREAM OF CHOKE* AT MAX HEAT OUTPUT		Pa	490	370	490	490
MINIMUM OPERATING PRESSURE, CENTRAL HEATING		bar	0.5	0.5	0.5	0.5
MAXIMUM OPERATING PRESSURE, CENTRAL HEATING		bar	6	6	6	6
MAXIMUM ADMISSABLE TEMPERATURE		°C	90	90	90	90
RANGE OF BOILER WATER TEMPERATURE SETTINGS (+/- 3°C)		°C	20 - 80	20 - 80	20 - 80	20 - 80
WATER CONTENT		l	5	10	10	10
POWER SUPPLY		V-Hz	230 - 50	230 - 50	230 - 50	230 - 50
ELECTRICAL POWER		W	80	154	160	160
INDEX OF PROTECTION		IP	X0D	X0D	X0D	X0D
QUANTITY OF CONDENSATE		kg/h	7.2	11.2	14.4	14.4
NOISE LEVEL AT MIN - MAX HEAT OUTPUT**		dBA	48.2 - 57.1	49 - 58	49 - 58.9	49 - 58.9
GAS CAPACITY (MIN - MAX)	G20	Sm3/h	1.52 - 4.76	1.52 - 7.37	1.52 - 9.52	1.52 - 9.52
GAS CAPACITY (MIN - MAX)	G30	kg/h	1.16 - 3.57	1.16 - 5.48	1.16 - 7.28	1.16 - 7.28
GAS CAPACITY (MIN - MAX)	G31	kg/h	1.14 - 3.57	1.14 - 5.41	1.14 - 7.14	1.14 - 7.14
WIDTH		mm	600	600	600	600
DEPTH		mm	380	380	380	380
HEIGHT		mm	1000	1000	1000	1000
DRY WEIGHT		kg	60	90	90	90

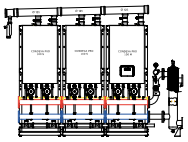
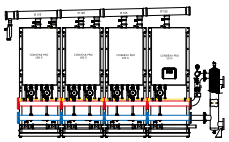
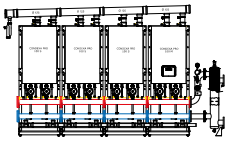
*Measurements obtained using the clapet with which the boiler was homologated.
**Measurements taken at 1m from the appliance, at a height of 1.5m with background noise of 36.5 dBA.

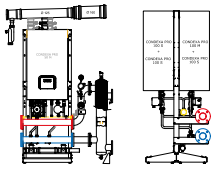
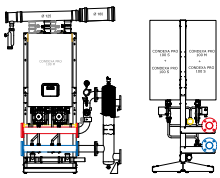
CondexaPRO 500 series frame & header cascade kits

Linear and back-to-back configurations

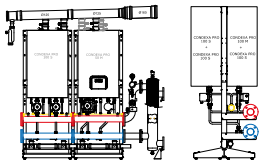
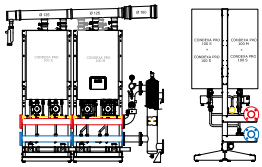
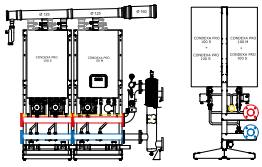
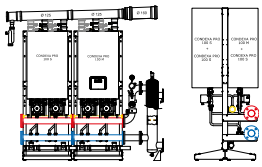
kW	KIT CODE & IMAGE	QTY	CODE	DESCRIPTION	QTY	CODE	DESCRIPTION
LINEAR	KIT CODE: 29450600	1	20019678	CONDEXAPRO 50M	FLUE HEADER KIT CODE:		29450615
50		1	20075526	LOW ENERGY PUMP KIT (FRONT)	1	29450240	FLUE COLLECTOR KIT 125mm FOR 50kW
		1	20017226	HYDRAULIC MANIFOLD 100kW (WITH BLANK END FLANGE KIT)	1	29450242	CONDENSATE DRAIN KIT 125mm WITH TAP
		1	20017270	CONNECTION PIPES KIT TO HEADER/SEPARATOR 100kW	1	29450226	125mm EXTENSION PIPE 250mm PPTL
		1	20017271	HYDRAULIC HEADER/SEPARATOR 100kW			
		1	20009472	CONDEXAPRO RIG (FRONT)			
LINEAR	KIT CODE: 29450601	1	20019201	CONDEXAPRO 70M	FLUE HEADER KIT CODE:		29450616
70		2	20075526	LOW ENERGY PUMP KIT (FRONT)	1	29450242	CONDENSATE DRAIN KIT 125mm WITH TAP
		1	20017226	HYDRAULIC MANIFOLD 100kW (WITH BLANK END FLANGE KIT)	1	29450241	FLUE COLLECTOR KIT 125mm FOR 100kW
		1	20017270	CONNECTION PIPES KIT TO HEADER/SEPARATOR 100kW			
		1	20017271	HYDRAULIC HEADER/SEPARATOR 100kW			
		1	20009472	CONDEXAPRO RIG (FRONT)			
LINEAR	KIT CODE: 29450602	1	20019311	CONDEXAPRO 100M	FLUE HEADER KIT CODE:		29450616
100		2	20075526	LOW ENERGY PUMP KIT (FRONT)	1	29450242	CONDENSATE DRAIN KIT 125mm WITH TAP
		1	20017226	HYDRAULIC MANIFOLD 100kW (WITH BLANK END FLANGE KIT)	1	29450241	FLUE COLLECTOR KIT 125mm FOR 100kW
		1	20017270	CONNECTION PIPES KIT TO HEADER/SEPARATOR 100kW			
		1	20017271	HYDRAULIC HEADER/SEPARATOR 100kW			
		1	20009472	CONDEXAPRO RIG (FRONT)			
LINEAR	KIT CODE: 29450603	1	20019678	CONDEXAPRO 50M	FLUE HEADER KIT CODE:		29450617
150		1	20019677	CONDEXAPRO 100S	1	29450240	FLUE COLLECTOR KIT 125mm FOR 50kW
		3	20075526	LOW ENERGY PUMP KIT (FRONT)	1	29450242	CONDENSATE DRAIN KIT 125mm WITH TAP
		2	20009472	CONDEXAPRO RIG (FRONT)	1	29450241	FLUE COLLECTOR KIT 125mm FOR 100kW
		2	20009439	HYDRAULIC MANIFOLD KIT UP TO 460kW	1	29450226	125mm EXTENSION PIPE 250mm PPTL
		1	20009444	BLANK END FLANGE KIT			
		1	20009466	HYDRAULIC SEPARATOR 150-230kW			
		1	20009471	HYDRAULIC MANIFOLD CONNECTION KIT			
LINEAR	KIT CODE: 29450604	1	20019311	CONDEXAPRO 100M	FLUE HEADER KIT CODE:		29450618
200		1	20019677	CONDEXAPRO 100S	2	29450241	FLUE COLLECTOR KIT 125mm FOR 100kW
		4	20075526	LOW ENERGY PUMP KIT (FRONT)	1	29450242	CONDENSATE DRAIN KIT 125mm WITH TAP
		2	20009472	CONDEXAPRO RIG (FRONT)			
		2	20009439	HYDRAULIC MANIFOLD KIT UP TO 460kW			
		1	20009444	BLANK END FLANGE KIT			
		1	20009466	HYDRAULIC SEPARATOR 150-230kW			
		1	20009471	HYDRAULIC MANIFOLD CONNECTION KIT			
LINEAR	KIT CODE: 29450605	1	20019678	CONDEXAPRO 50M	FLUE HEADER KIT CODE:		29450619
250		2	20019677	CONDEXAPRO 100S	1	29450240	FLUE COLLECTOR KIT 125mm FOR 50kW
		5	20075526	LOW ENERGY PUMP KIT (FRONT)	1	29450242	CONDENSATE DRAIN KIT 125mm WITH TAP
		3	20009472	CONDEXAPRO RIG (FRONT)	1	29450226	125mm EXTENSION PIPE 250mm PPTL
		3	20009439	HYDRAULIC MANIFOLD KIT UP TO 460kW	2	29450241	FLUE COLLECTOR KIT 125mm FOR 100kW
		1	20009444	BLANK END FLANGE KIT			
		1	20009471	HYDRAULIC MANIFOLD CONNECTION KIT			
		1	20009467	HYDRAULIC SEPARATOR 250-460kW			

Flue header kit to be sold separately.

kW	KIT CODE & IMAGE	QTY	CODE	DESCRIPTION	QTY	CODE	DESCRIPTION
LINEAR	KIT CODE: 29450606	1	20019311	CONDEXAPRO 100M	FLUE HEADER KIT CODE:		29450620
300		2	20019677	CONDEXAPRO 100S	3	29450241	FLUE COLLECTOR KIT 125mm FOR 100kW
		6	20075526	LOW ENERGY PUMP KIT (FRONT)	1	29450242	CONDENSATE DRAIN KIT 125mm WITH TAP
		3	20009472	CONDEXAPRO RIG (FRONT)			
		3	20009439	HYDRAULIC MANIFOLD KIT UP TO 460kW			
		1	20009444	BLANK END FLANGE KIT			
		1	20009471	HYDRAULIC MANIFOLD CONNECTION KIT			
		1	20009467	HYDRAULIC SEPARATOR 250-460kW			
LINEAR	KIT CODE: 29450607	1	20019678	CONDEXAPRO 50M	FLUE HEADER KIT CODE:		29450621
350		3	20019677	CONDEXAPRO 100S	1	29450240	FLUE COLLECTOR KIT 125mm FOR 50kW
		7	20075526	LOW ENERGY PUMP KIT (FRONT)	1	29450242	CONDENSATE DRAIN KIT 125mm WITH TAP
		4	20009472	CONDEXAPRO RIG (FRONT)	1	29450226	125mm EXTENSION PIPE 250mm PPTL
		4	20009439	HYDRAULIC MANIFOLD KIT UP TO 460kW	3	29450241	FLUE COLLECTOR KIT 125mm FOR 100kW
		1	20009444	BLANK END FLANGE KIT			
		1	20009471	HYDRAULIC MANIFOLD CONNECTION KIT			
		1	20009467	HYDRAULIC SEPARATOR 250-460kW			
LINEAR	KIT CODE: 29450608	1	20019311	CONDEXAPRO 100M	FLUE HEADER KIT CODE:		29450622
400		3	20019677	CONDEXAPRO 100S	4	29450241	FLUE COLLECTOR KIT 125mm FOR 100kW
		8	20075526	LOW ENERGY PUMP KIT (FRONT)	1	29450242	CONDENSATE DRAIN KIT 125mm WITH TAP
		4	20009472	CONDEXAPRO RIG (FRONT)			
		4	20009439	HYDRAULIC MANIFOLD KIT UP TO 460kW			
		1	20009444	BLANK END FLANGE KIT			
		1	20009471	HYDRAULIC MANIFOLD CONNECTION KIT			
		1	20009467	HYDRAULIC SEPARATOR 250-460kW			

kW	KIT CODE & IMAGE	QTY	CODE	DESCRIPTION	QTY	CODE	DESCRIPTION
B2B	KIT CODE: 29450609	1	20019678	CONDEXAPRO 50M	FLUE HEADER KIT CODE:		29450623
150		1	20019677	CONDEXAPRO 100S	1	29450240	FLUE COLLECTOR KIT 125mm FOR 50kW
		1	20075526	LOW ENERGY PUMP KIT (FRONT)	2	29450242	CONDENSATE DRAIN KIT 125mm WITH TAP
		2	20075527	LOW ENERGY PUMP KIT REAR	1	29450241	FLUE COLLECTOR KIT 125mm FOR 100kW
		1	20009472	CONDEXAPRO RIG (FRONT)	1	20017306	FLUE COLLECTOR KIT FRONTAL/REAR INSTALLATION
		1	20009474	REAR MOUNTING KIT FREE STANDING RIG	1	29450226	125mm EXTENSION PIPE 250mm PPTL
		1	20009439	HYDRAULIC MANIFOLD KIT UP TO 460kW			
		1	20009444	BLANK END FLANGE KIT			
		1	20009466	HYDRAULIC SEPARATOR 150-230kW			
		1	20009471	HYDRAULIC MANIFOLD CONNECTION KIT			
B2B	KIT CODE: 29450610	1	20019311	CONDEXAPRO 100M	FLUE HEADER KIT CODE:		29450624
200		1	20019677	CONDEXAPRO 100S	2	29450241	FLUE COLLECTOR KIT 125mm FOR 100kW
		2	20075526	LOW ENERGY PUMP KIT (FRONT)	2	29450242	CONDENSATE DRAIN KIT 125mm WITH TAP
		2	20075527	LOW ENERGY PUMP KIT REAR	1	20017306	FLUE COLLECTOR KIT FRONTAL/REAR INSTALLATION
		1	20009472	CONDEXAPRO RIG (FRONT)			
		1	20009474	REAR MOUNTING KIT FREE STANDING RIG			
		1	20009439	HYDRAULIC MANIFOLD KIT UP TO 460kW			
		1	20009444	BLANK END FLANGE KIT			
		1	20009466	HYDRAULIC SEPARATOR 150-230kW			
		1	20009471	HYDRAULIC MANIFOLD CONNECTION KIT			

Note: Anti-legionella function only available with remote control. See page 36.

kW	KIT CODE & IMAGE	QTY	CODE	DESCRIPTION	QTY	CODE	DESCRIPTION
B2B	KIT CODE: 29450611	1	20019678	CONDEXAPRO 50M	FLUE HEADER KIT CODE:		29450625
250		2	20019677	CONDEXAPRO 100S	1	29450240	FLUE COLLECTOR KIT 125mm FOR 50kW
		3	20075526	LOW ENERGY PUMP KIT (FRONT)	2	29450242	CONDENSATE DRAIN KIT 125mm WITH TAP
		2	20075527	LOW ENERGY PUMP KIT REAR	2	29450241	FLUE COLLECTOR KIT 125mm FOR 100kW
		2	20009472	CONDEXAPRO RIG (FRONT)	1	20017306	FLUE COLLECTOR KIT FRONTAL/REAR INSTALLATION
		2	20009474	REAR MOUNTING KIT FREE STANDING RIG	1	29450226	125mm EXTENSION PIPE 250mm PPTL
		2	20009439	HYDRAULIC MANIFOLD KIT UP TO 460kW			
		1	20009444	BLANK END FLANGE KIT			
		1	20009471	HYDRAULIC MANIFOLD CONNECTION KIT			
		1	20009467	HYDRAULIC SEPARATOR 250-460kW			
B2B	KIT CODE: 29450612	1	20019311	CONDEXAPRO 100M	FLUE HEADER KIT CODE:		29450626
300		2	20019677	CONDEXAPRO 100S	3	29450241	FLUE COLLECTOR KIT 125mm FOR 100kW
		4	20075526	LOW ENERGY PUMP KIT (FRONT)	2	29450242	CONDENSATE DRAIN KIT 125mm WITH TAP
		2	20075527	LOW ENERGY PUMP KIT REAR	1	20017306	FLUE COLLECTOR KIT FRONTAL/REAR INSTALLATION
		2	20009472	CONDEXAPRO RIG (FRONT)			
		2	20009474	REAR MOUNTING KIT FREE STANDING RIG			
		2	20009439	HYDRAULIC MANIFOLD KIT UP TO 460kW			
		1	20009444	BLANK END FLANGE KIT			
		1	20009471	HYDRAULIC MANIFOLD CONNECTION KIT			
		1	20009467	HYDRAULIC SEPARATOR 250-460kW			
B2B	KIT CODE: 29450613	1	20019678	CONDEXAPRO 50M	FLUE HEADER KIT CODE:		29450627
350		3	20019677	CONDEXAPRO 100S	1	29450240	FLUE COLLECTOR KIT 125mm FOR 50kW
		3	20075526	LOW ENERGY PUMP KIT (FRONT)	2	29450242	CONDENSATE DRAIN KIT 125mm WITH TAP
		4	20075527	LOW ENERGY PUMP KIT REAR	3	29450241	FLUE COLLECTOR KIT 125mm FOR 100kW
		2	20009472	CONDEXAPRO RIG (FRONT)	1	20017306	FLUE COLLECTOR KIT FRONTAL/REAR INSTALLATION
		2	20009474	REAR MOUNTING KIT FREE STANDING RIG	1	29450226	125mm EXTENSION PIPE 250mm PPTL
		2	20009439	HYDRAULIC MANIFOLD KIT UP TO 460kW			
		1	20009444	BLANK END FLANGE KIT			
		1	20009471	HYDRAULIC MANIFOLD CONNECTION KIT			
		1	20009467	HYDRAULIC SEPARATOR 250-460kW			
B2B	KIT CODE: 29450614	1	20019311	CONDEXAPRO 100M	FLUE HEADER KIT CODE:		29450628
400		3	20019677	CONDEXAPRO 100S	4	29450241	FLUE COLLECTOR KIT 125mm FOR 100kW
		4	20075526	LOW ENERGY PUMP KIT (FRONT)	2	29450242	CONDENSATE DRAIN KIT 125mm WITH TAP
		4	20075527	LOW ENERGY PUMP KIT REAR	1	20017306	FLUE COLLECTOR KIT FRONTAL/REAR INSTALLATION
		2	20009472	CONDEXAPRO RIG (FRONT)			
		2	20009474	REAR MOUNTING KIT FREE STANDING RIG			
		2	20009439	HYDRAULIC MANIFOLD KIT UP TO 460kW			
		1	20009444	BLANK END FLANGE KIT			
		1	20009471	HYDRAULIC MANIFOLD CONNECTION KIT			
		1	20009467	HYDRAULIC SEPARATOR 250-460kW			

Note: Anti-legionella function only available with remote control. See page 36.

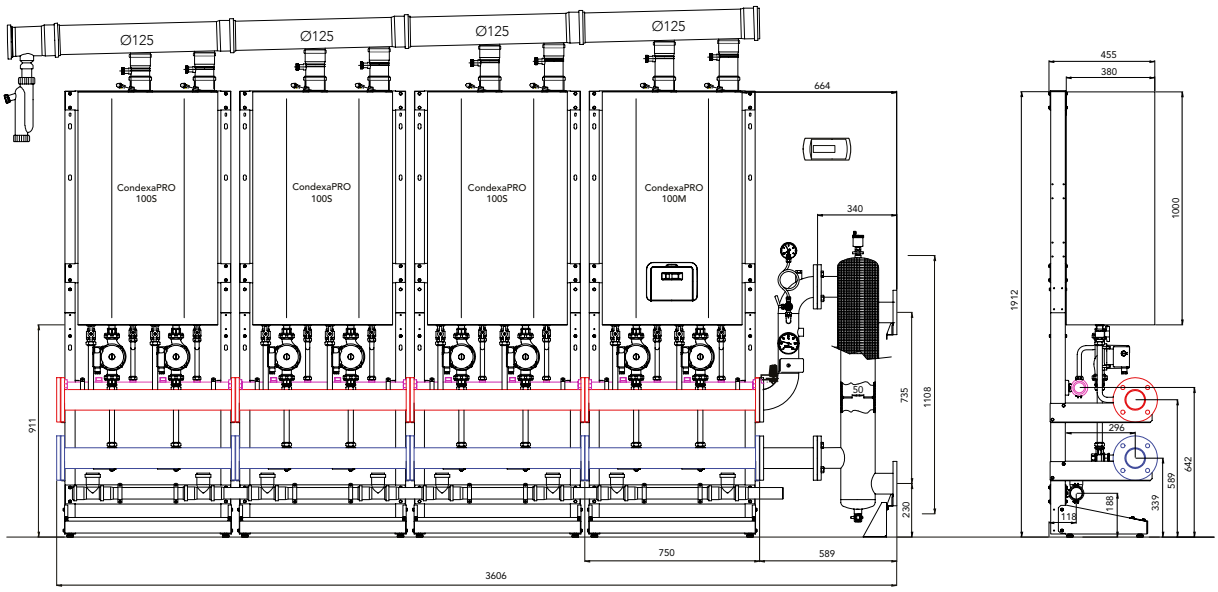
Recommended optional accessories

CODE	DESCRIPTION
1102379	WALL MOUNTED REMOTE CONTROL
20009486	GAS SAFETY CUT-OFF VALVE (115kW MAX)
20009482	GAS SAFETY CUT-OFF VALVE (230kW MAX)
20009483	GAS SAFETY CUT-OFF VALVE (580kW MAX)
20009475	SAFETY KIT (400kW MAX)

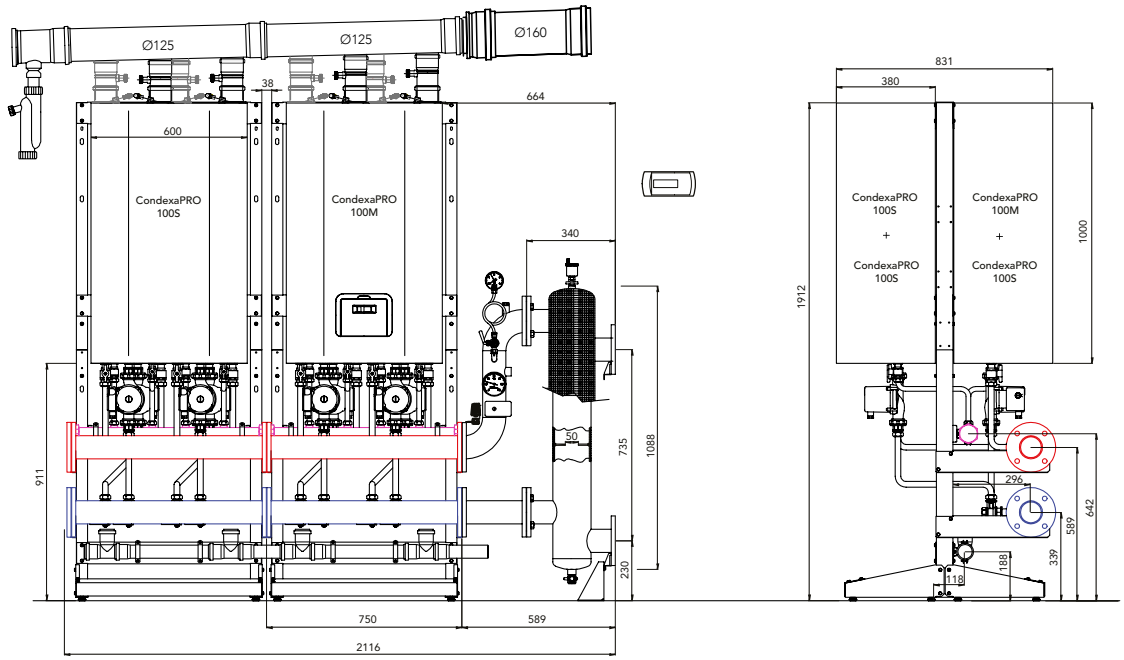
Cascade kit does not include the flue header kit; these are to be ordered separately using the correct flue header kit code (detailed in the tables).

Further flue parts and accessories to terminal available, please see page 42.

Example linear cascade configuration - 400kW
Wall hung or free standing



Example back to back free standing cascade configuration - 400kW



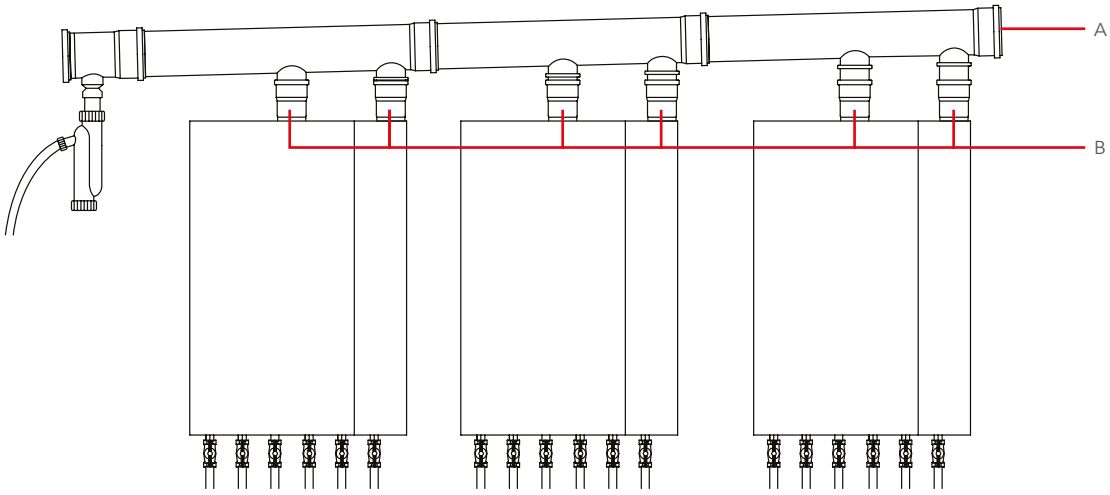
For additional flue options, including Ø50 and Ø60 flues, see page 42.

Flue guidance

Flue gas outlet and combustion air intake

Air intake and vent flue pipe sizes

The high-head fan of CondexaPRO gives a residual head of 560 Pa in the point "B", that becomes 380 Pa in the point "A". This enables long flue pipes lengths using reduced diameter flue pipe, as detailed in the table below.



⚠ Measurements obtained using the pipes with which the boiler was homologated, downstream from the flue gas manifold (from point "A" on).

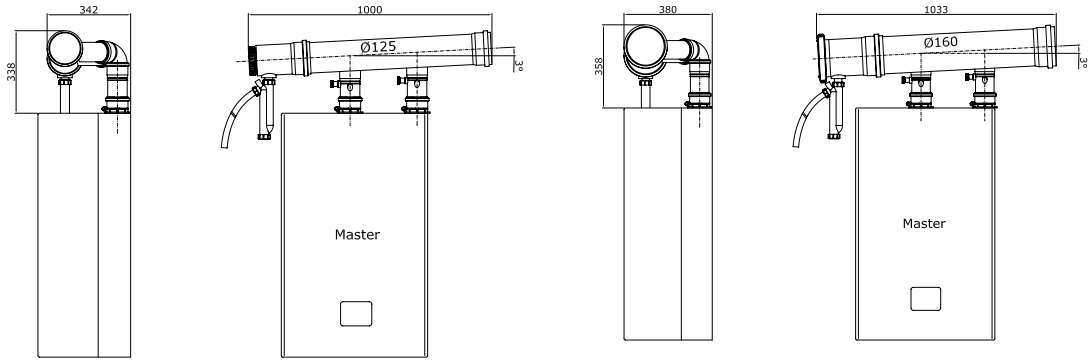
MAXIMUM FLUE PIPE LENGTHS (M)				
TOTAL INSTALLED POWER (kW)	Ø50mm*	Ø125mm	Ø160mm	Ø200mm
50	30	55	60	100
100	-	55	60	100
150	-	55	60	100
200	-	55	60	100
250	-	35	55	100
300	-	30	50	100
350	-	25	50	100
400	-	20	50	80
450	-	-	40	60
500	-	-	30	50
550	-	-	30	40
600	-	-	25	35
650	-	-	-	30
700	-	-	-	30
750	-	-	-	30
800	-	-	-	30

EQUIVALENT LENGTH FOR OTHER ELEMENTS OF FLUE PIPE (M)				
TYPE OF ELEMENT	Ø50mm*	Ø125mm	Ø160mm	Ø200mm
45° BEND	1	1.2	1.7	1.7
87° BEND	3	5	7.5	7.5
T JOINT	3	4	7.5	7.5

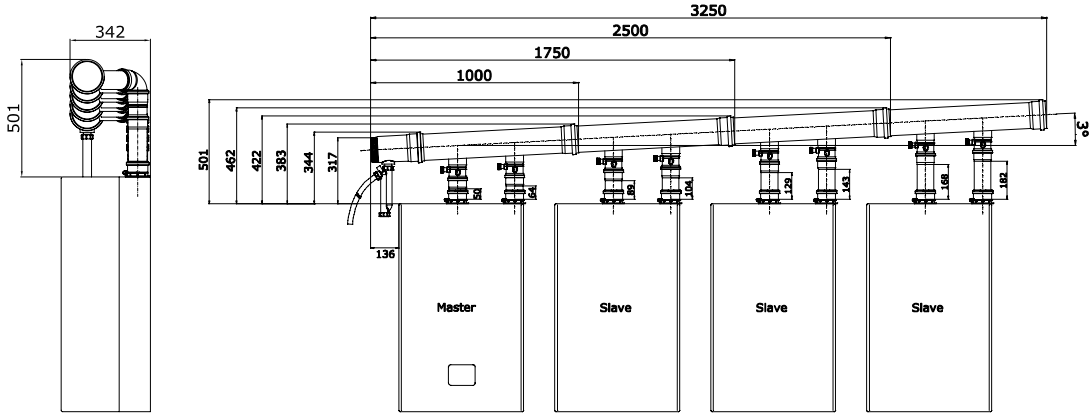
* The same measurement applies to Ø80mm pipe.

Flue options

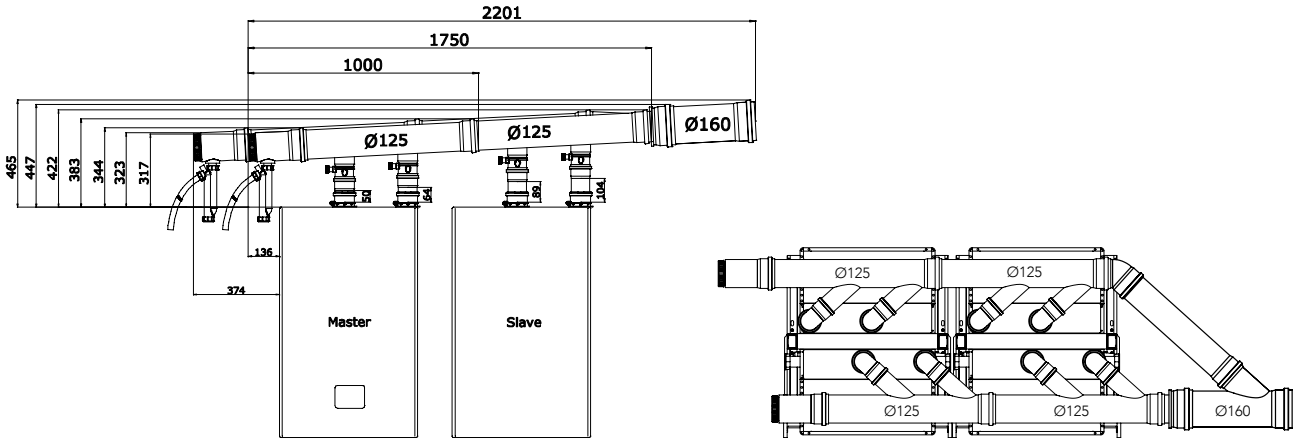
Ø125 and Ø160 - stand alone configuration



Ø125 - linear, wall hung and free standing configuration



Ø125 back-to-back up to 400kW configuration



CondexaPRO 500 Box

For internal and external installations

Fully modulating condensing boilers pre-built floor-standing cabinet & fully tested plug and play solution which can be cascaded up to 3MW, offering both indoor and outdoor applications.

5 Year Warranty

Cascade Up To 3MW

Pre-Built Unit

Riello Combustion

In addition to the features and benefits of the CondexaPRO 500 wall hung and cascade (see page 12), the CondexaPRO 500 Box also benefits from the following:

- Internal flue header
- Internal hydraulic header
- Internal gas pipe
- Internal shunt pumps
- Up to 200kW per unit
- Built-in controls
- Linear or B2B configurations
- Ease of servicing
- Factory tested

CONDEXAPRO BOX FOR INTERNAL AND EXTERNAL INSTALLATIONS					
CODE	MODEL DESCRIPTION	GAS	DIMENSIONS mm (HXWXD)	INPUT kW (HHV)	INPUT kW (NHV)
20071998	CONDEXAPRO BOX 150(1)	NG / LPG	1530 X 1250 X 650	150	135
20071999	CONDEXAPRO BOX 200(1)	NG / LPG	1530 X 1250 X 650	200	180
20072002	CONDEXAPRO 100 SE (2)	NG / LPG	1530 X 1250 X 650	100	90

(1) CondexaPRO Box boiler is fitted with blind flanges kit for 500 series (code 20075887) and CondexaPRO junction kit for cascade installation (code 20074998).
(2) The CondexaPRO Box 100 SE is complete with hydraulic separator, safety devices up to 300kW and safety gas cut-off valve. CondexaPRO Box 100 SE can be installed stand alone or in a cascade application with one CondexaPRO Box 150 or CondexaPRO 200. In case of stand alone applications, it is possible to purchase blind flanges kit for 500 series (code 20075887).

TECHNICAL SPECIFICATIONS			CONDEXAPRO BOX 150	CONDEXAPRO BOX 200	CONDEXAPRO BOX 100 SE
HEAT INPUT (HHV)		kW	150	200	100
HEAT INPUT (NHV)		kW	135	180	90
NOMINAL HEAT OUTPUT (80/60°C)		kW	132.5	176.6	88.3
NOMINAL HEAT OUTPUT (50/30°C)		kW	145.3	176.6	96.8
MINIMUM HEAT INPUT (HHV)		kW	16	16	16
MINIMUM HEAT INPUT (NHV)		kW	14.4	14.4	14.4
EFFICIENCY ACCORDING TO EUROPEAN DIRECTIVE EEC 92/42			4 STAR		
EFFICIENCY AT NOMINAL HEAT OUTPUT (80/60°C) (NHV)		%	98.2	98.2	98.2
EFFICIENCY AT NOMINAL HEAT OUTPUT (50/30°C) (NHV)		%	107.7	107.7	108.3
EFFICIENCY AT PARTIAL LOAD 30% (80/60°C) (NHV)		%	98.7	98.7	98.7
EFFICIENCY AT PARTIAL LOAD 30% (50/30°C) (NHV)		%	108.7	108.7	108.7
GAS RATES					
GAS CAPACITY (MIN - MAX)	G20	Sm3/h	1.5 - 13.8	1.5 - 18.4	1.5 - 9.2
GAS CAPACITY (MIN - MAX)	G30	kg/h	1 - 9.8	1 - 13.1	1 - 6.5
GAS CAPACITY (MIN - MAX)	G31	kg/h	1 - 9.7	1 - 12.9	1 - 6.4
EMISSIONS					
NO_x CLASS			5	5	5
CO D.A.F MIN-MAX LESS THAN		mg/kW	10/80	10/80	10/80
FLUE GAS TEMPERATURE		°C	T RETURN + MAX 2.5°C	T RETURN + MAX 2.5°C	T RETURN + MAX 2.5°C
CENTRAL HEATING					
MAXIMUM PRESSURE		bar	6	6	6
ADJUSTABLE CH WATER TEMPERATURE RANGE		°C	20 - 80	20 - 80	20 - 80
MAXIMUM CONDENSE PRODUCTION		l/h	20.7	27.6	13.8
ELECTRICAL					
POWER SUPPLY		V-Hz	230/50	230/50	230/50
MAXIMUM POWER CONSUMPTION*		W	495	660	330
DIMENSIONS, WEIGHT AND GAS					
BOILER DIMENSIONS (H X W X D)		mm	1530 X 1250 X 650		
DRY WEIGHT		kg	310	340	200
WATER CONTENT		l	15	20	10
AVAILABLE GAS VERSIONS			NG / LPG	NG / LPG	NG / LPG
G/G1		Ø	3" / --	3" / --	3" / 2"
M/R		Ø		5" / 5"	5" / 5" - 3" / 3"
COND		mm	50	50	50
FLUE DIAMETER		mm	160	160	160

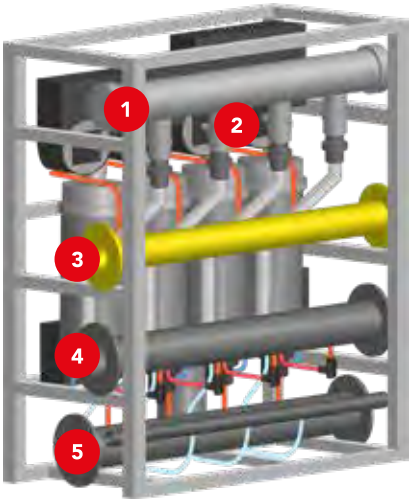
*The double value refers to the versions with pump / two way valve.

Flue & installation guidance

CondexaPRO Box 500 structure

Given the extremely low flue temperatures, it is possible to use plastic (PP) flue ducts.

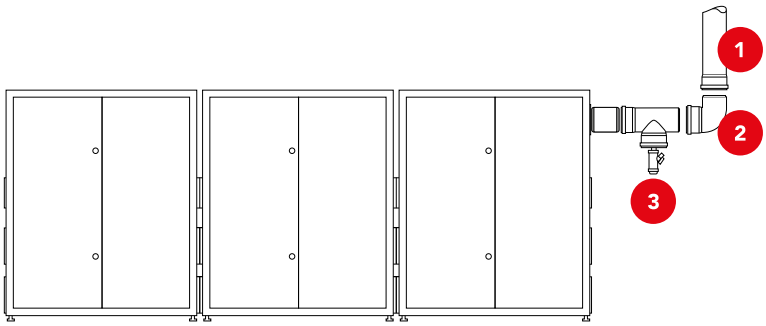
CondexaPRO Box units integrate not only the Ø160mm flue ducts but also the clapet valves necessary to prevent the back-flow of the combustion products in the thermal groups that are off.



1. Integrated flue duct Ø160mm
2. Clapet valves
3. Gas manifold
4. Flow manifold
5. Return manifold

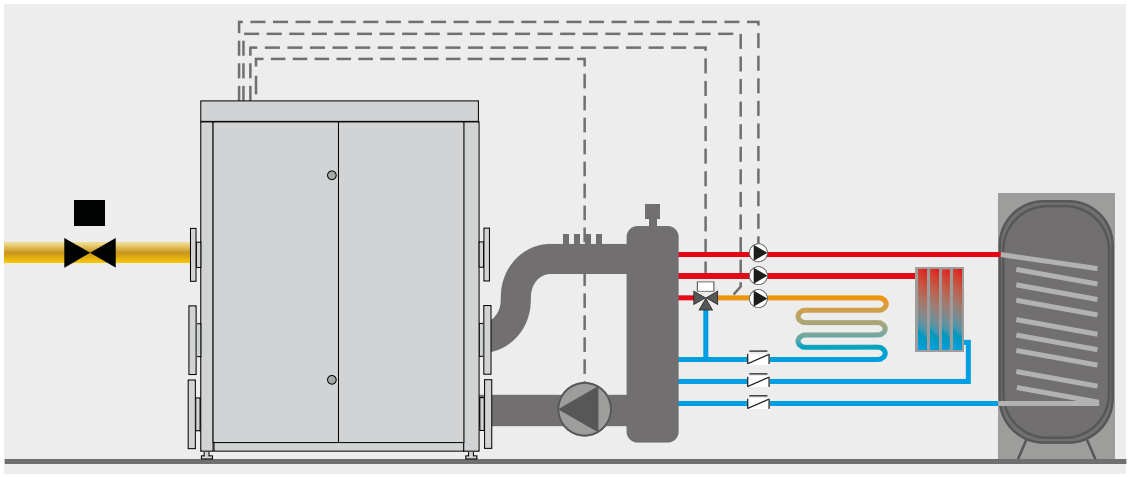
Installation tips

1. PP pipe Ø160mm
2. PP 90° bend Ø160mm
3. PP condensate evacuation kit Ø160mm



Above is an example of a cascade application with the condensate drain and initial flue connections. The condensate drain kit is compulsory whenever the vertical pipe length is over 4m.

Below is an example of a 200kW (4 x 50kW heat engines) single box application for indoor installation with the direct management of three circuits.



CondexaPRO Box 500 flue exhaust

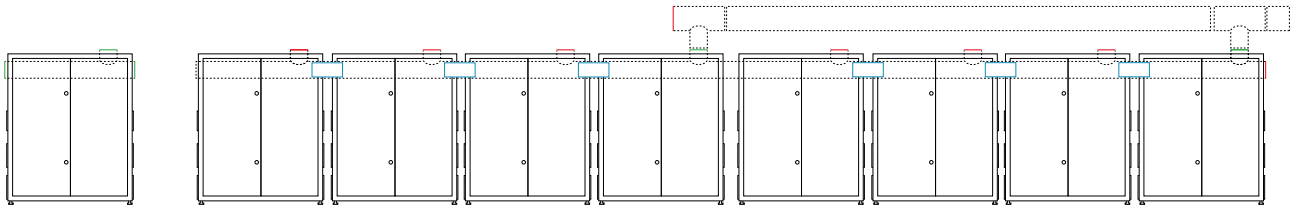
Below are some notes on the combustion flues evacuation for the CondexaPRO Box 500 series (except AI models). Local regulations also apply and must be referred to.

Flue drain for internal units

The CondexaPRO Box units for indoor applications are pre-assembled with the Ø160mm flue pipe (in PP), inside the box. There are three female Ø160mm outlets in the zinc coated and painted box units, one on top and one on each side, through which it is possible to discharge the flues directly or connect to other generators of the cascade.

As a general rule, it is recommended not to go over (flue side) 800 kW HHV. Over this value it is suggested to use the top exhaust to allow a larger diameter duct (e.g Ø200mm). The necessary connections (flue and condense) are provided in a specific kit.

3 x Ø160mm with two plugs

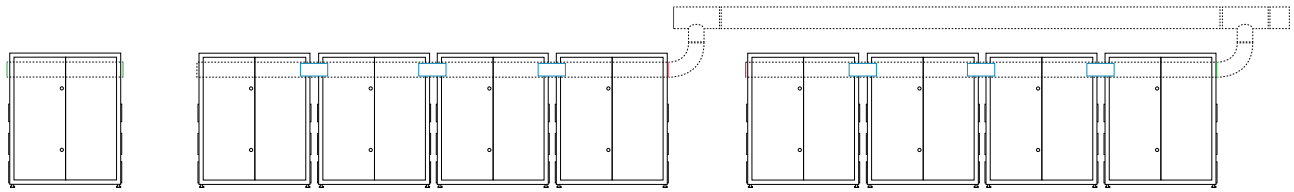


Flue drain for external units

The CondexaPRO Box units for outdoor applications are pre-assembled with the Ø160mm flue pipe (in PP), inside the box. There are two female Ø160mm connections in the stainless steel box units, one on each side, through which it is possible to discharge the flues directly or connect to other generators of the cascade.

As a general rule, it is recommended not to go over (flue side) 800 kW HHV. Over this value it is suggested to use the top exhaust to allow a larger diameter duct (e.g Ø200mm). The necessary connections (flue and condense) are provided in a specific kit.

2 x Ø160mm with one plug



CondexaPRO 500 Box SYS

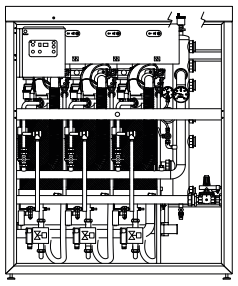
Stand alone - for internal and external installations

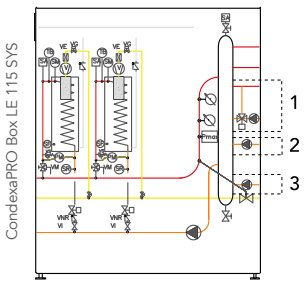
Fully modulating condensing boilers pre-built floor-standing cabinet & fully tested plug and play solution. Stand-alone unit featuring built-in hydraulic separator for indoor or outdoor applications.

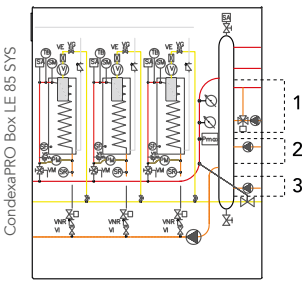
- 5 Year Warranty
- Heat Engines: x2 = 85kW, x3 = 128kW
- Pre-Built Unit
- Easy Installation

- IPx4D protection and insulation - ideal for outdoors
- Stand alone - cannot be cascaded
- Internal hydraulic header/separator
- Internal flue header & condensate drain
- Internal gas pipe
- Possibility to integrate secondary pumps inside box
- Factory tested

STAND ALONE CONDEXAPRO BOX A1 FOR OUTDOOR AND INDOOR INSTALLATIONS - WITH SHUNT PUMPS					
CODE	MODEL DESCRIPTION	GAS	DIMENSIONS mm (H X W X D)	INPUT kW (HHV)	INPUT kW (NHV)
20107448	CONDEXAPRO BOX LE 85 SYS	NG	1530 X 1250 X 650	85	77
20107449	CONDEXAPRO BOX LE 115 SYS	NG	1530 X 1250 X 650	128	115
HYDRAULIC DISTRIBUTION CONNECTIONS					
20011175	SYSTEM CONNECTIONS KIT (2 PCS)	N/A	N/A	N/A	N/A
20074999	PLUGS KIT (2 PCS)	N/A	N/A	N/A	N/A



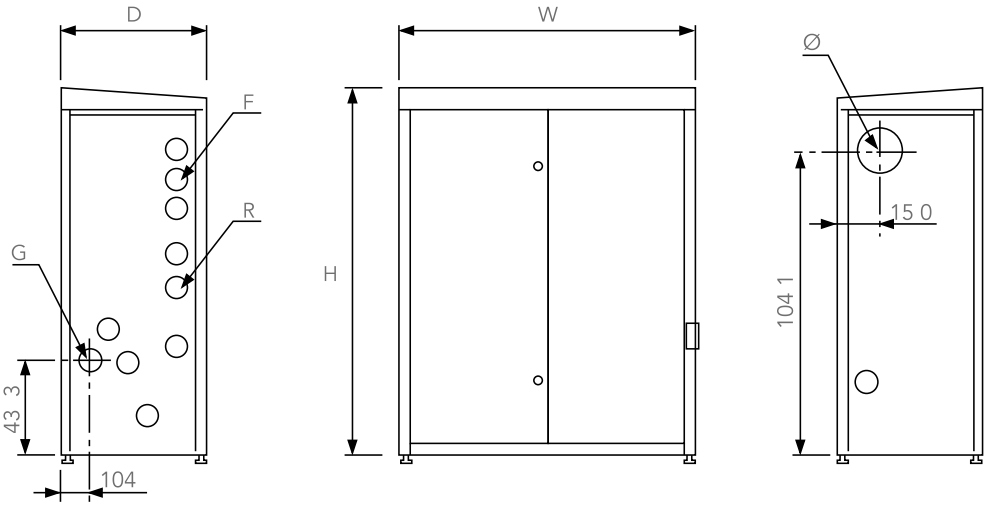




Monitor and control – No need for a Building Management System*

See page 36 for details of the CondexaPRO remote control.

*In some cases.



SPECIFICATIONS			CONDEXAPRO BOX LE 85 SYS	CONDEXAPRO BOX LE 115 SYS
HEAT INPUT (HHV)		kW	85.2	127.8
HEAT INPUT (NHV)		kW	76.7	115
NOMINAL HEAT OUTPUT (80/60°C)		kW	75.3	112.9
NOMINAL HEAT OUTPUT (50/30°C)		kW	82.5	123.8
MINIMUM HEAT INPUT (HHV)		kW	16	16
MINIMUM HEAT INPUT (NHV)		kW	14.4	14.4
EFFICIENCY ACCORDING TO EUROPEAN DIRECTIVE EEC 92/42			4 STAR	
EFFICIENCY AT NOMINAL HEAT OUTPUT (80/60°C) (NHV)		%	98.2	98.2
EFFICIENCY AT NOMINAL HEAT OUTPUT (50/30°C) (NHV)		%	107.7	107.7
EFFICIENCY AT PARTIAL LOAD 30% (80/60°C) (NHV)		%	98.7	98.7
EFFICIENCY AT PARTIAL LOAD 30% (50/30°C) (NHV)		%	108.7	108.7
GAS RATES				
GAS CAPACITY (MIN - MAX)	G20	Sm3/h	1.5 - 7.9	1.5 - 11.4
GAS CAPACITY (MIN - MAX)	G30	kg/h	1 - 5.6	1 - 8.4
GAS CAPACITY (MIN - MAX)	G31	kg/h	1 - 5.5	1 - 8.2
EMISSIONS				
NO_x CLASS			5	5
CO D.A.F MIN-MAX LESS THAN		mg/kW	10/80	10/80
FLUE GAS TEMPERATURE		°C	T RETURN + MAX 2.5°C	T RETURN + MAX 2.5°C
CENTRAL HEATING				
MAXIMUM PRESSURE		bar	6	6
ADJUSTABLE CH WATER TEMPERATURE RANGE		°C	20 - 80	20 - 80
MAXIMUM CONDENSE PRODUCTION		l/h	11.1	16.6
ELECTRICAL				
POWER SUPPLY		V-Hz	230/50	230/50
MAXIMUM POWER CONSUMPTION		W	285	425
DIMENSIONS, WEIGHT AND GAS				
BOILER DIMENSIONS (H X W X D)		mm	1530 X 1250 X 650	
DRY WEIGHT		kg	180	220
WATER CONTENT		l	19.4	24.3
AVAILABLE GAS VERSIONS			NG / LPG	NG / LPG
G/G1		Ø	2" / --	2" / --
F/R		Ø	2" / 2"	2" / 2"
COND		mm	50	50
FLUE DIAMETER		mm	125	125

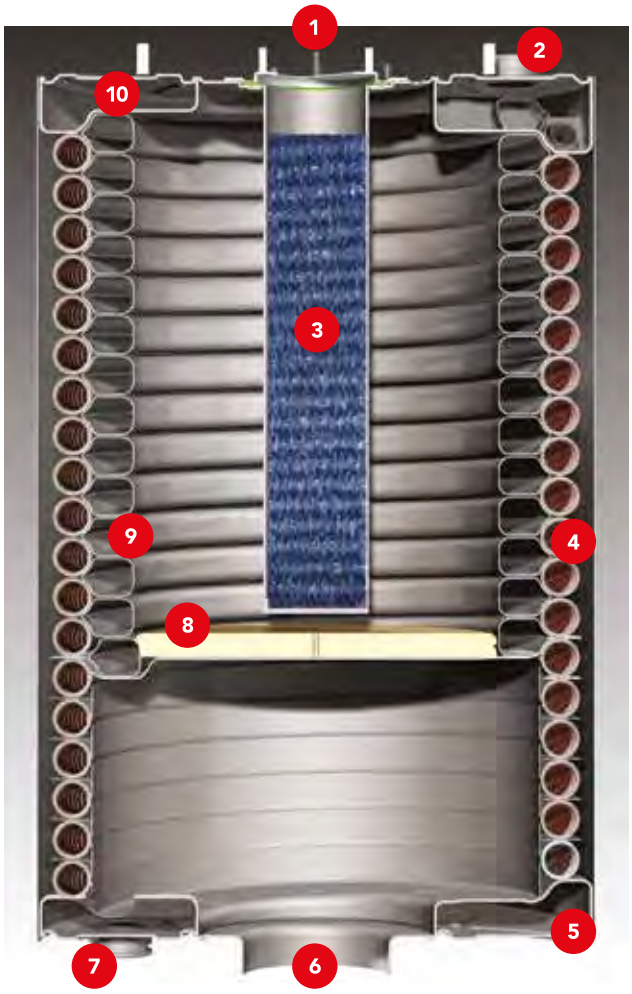
CONDEXAPRO 1000 SERIES

CondexaPRO products are suitable for both new buildings and as a replacement on existing systems; for instance old non-efficient floor-standing boilers, and offer the highest efficiency at any time combined with maximum piece of mind. The 1000 Series 128kW heat exchangers offer the CondexaPRO range versatile cascading options up to 6.9MW.

The structure

The aim of the 1000 series is to increase the output options of CondexaPRO Box units, increasing the 'power density', i.e. the power for each square cm occupied by the heat unit and as a consequence, by the Box. This is obtained by coupling the patented Cuprosteel corrugated helical tube with a more traditional pipe.

While the 500 series heat exchanger is a single coil of the well know Cuprasteel, the 1000 series heat exchanger has two pipes working in parallel, the section before the refractory brick. The outer pipe is the corrugated Cuprosteel, the inner one is pentagonal and smooth. The two pipes are hydraulically connected by means of the upper and lower caps of the heat exchanger assembly that work as a real hydraulic manifold.



1. Fan connection (air/gas mixture inlet)
2. Flow pipe
3. Burner
4. Heat exchanger (bi-metallic corrugated pipe)
5. Lower heat exchanger header
6. Flue and condensate discharge pipe
7. Return pipe
8. Refractory brick
9. Heat exchanger (pentagonal pipe)
10. Upper heat exchanger header

The technology: heat exchanger

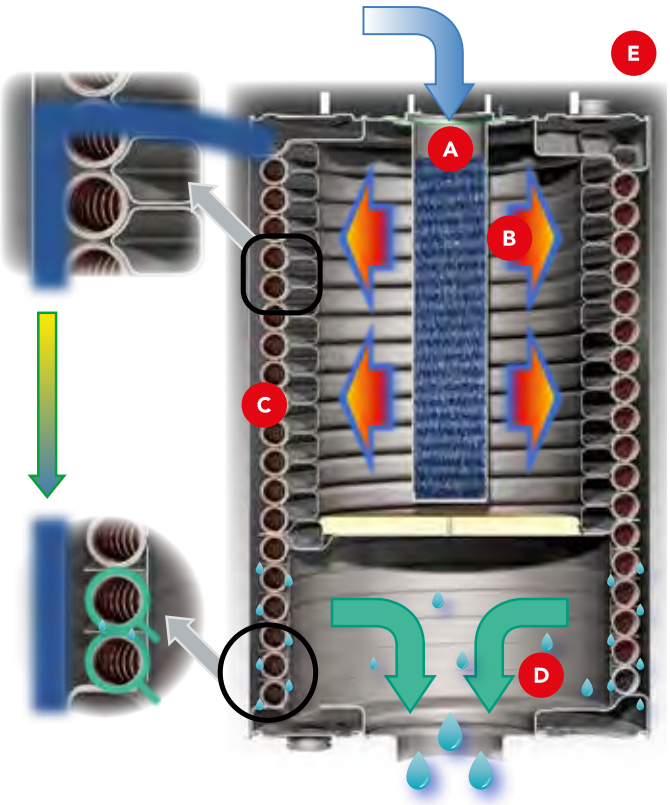
The CondexaPRO Box 1000 series heat exchanger features an innovative coupling of two types of heat exchanger; these are the technical features of each combustion group.

Technical features

- Power of 128kW on HHV (115kW on NHV)
- Modulation from 23kW - 128kW with a flat curve of CO_2 (9%)
- Efficiency: 108.6% at full load, 109% at 0.3Pn (water temperatures 50°C - 30°C)
- Temperature difference between flue and return water less than 10°C
- CO level at Pn less than 130 mg/kWh. At minimum less than 23 mg/kWh
- NO_x Class 5
- TEbm fan NRG137 low energy series with integrated venturi and high residual head
- Heat exchanger with 'wet head': flow manifold, air vent, working sensors (flow and return), maximum temperature sensor
- Includes gas valve and the differential pressure switch

Heat exchanger operation

The air and gas mixture is pushed (A) through the burner where the low NO_x combustion process happens (B). The flues produced flow through the double-coil of the exchanger where they heat the circulating water (C). In the course of the heat exchanger, condense is produced (D) and drained out of the combustion engine. An automatic air vent positioned (E) to purge the air that is in the circulating water.



Internal

External

CondexaPRO 1000 Box

Fully modulating condensing boilers

Pre-built floor-standing cabinet. Fully tested plug and play solution which can be cascaded up to 6.9MW, offering both internal and external solutions.

5 Year Warranty

Cascade Up To 6.9MW

Compact Footprint - Space Saving

Riello Combustion

- Sophisticated multi-zone heating control and monitoring which may negate the need for a BMS in some cases (with additional master control unit)
- External flue header (additional)
- Internal gas pipe
- Internal shunt pumps
- Up to 500kW per unit (2, 3 or 4 heat engines)
- Linear or B2B configurations
- Separate cascade controller
- 4 Star class A efficiency†

- Condenses even in high temperature systems
- Large heat exchanger surface area - copper & stainless steel
- NO_x class 5
- Gas or LPG (conversion kit included as standard)
- Automatic burner ignition sequence reversal
- Built-in water drain
- Can work with water glycol mix up to 50%
- Each combustion unit can be individually serviced or maintained without loss of other units

† According to EEC 92/42.
Master control board - 1 required per cascade (See page 33).

CONDEXAPRO 1000 BOX SERIES FOR INDOOR INSTALLATIONS

CODE	MODEL DESCRIPTION	GAS	DIMENSIONS mm (H X W X D)	INPUT kW (HHV)	INPUT kW (NHV)
20107464	CONDEXAPRO BOX 1002 P INT	NG	1550 X 900 X 750	256	230
20107472	CONDEXAPRO BOX 1003 P INT	NG	1550 X 1700 X 750	384	345
20107478	CONDEXAPRO BOX 1004 P INT	NG	1550 X 1700 X 750	511	460

CONDEXAPRO 1000 BOX SERIES FOR OUTDOOR INSTALLATIONS

CODE	MODEL DESCRIPTION	GAS	DIMENSIONS mm (H X W X D)	INPUT kW (HHV)	INPUT kW (NHV)
20107469	CONDEXAPRO BOX 1002 P EXT	NG	1637 X 900 X 750	256	230
20107477	CONDEXAPRO BOX 1003 P EXT	NG	1637 X 1710 X 750	384	345
20107479	CONDEXAPRO BOX 1004 P EXT	NG	1637 X 1710 X 750	511	460

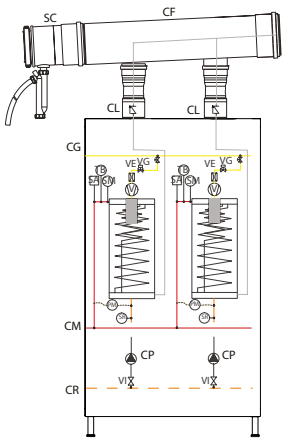
SPECIFICATIONS		CONDEXAPRO BOX 1002 P INT/EXT	CONDEXAPRO BOX 1003 P INT/EXT	CONDEXAPRO BOX 1004 P INT/EXT
BOILER TYPE (EN 297)		B23, B53, B53P, C13, C33, C53, C63		
CE HOMOLOGATION NUMBER		0085CL0333		
NUMBER OF BURNERS		2 (X 128kW)	3 (X 128kW)	4 (X 128kW)
DIMENSIONS AND CONNECTIONS				
BOILER DIMENSIONS INT MODEL (H X W X D)	mm	1550 X 900 X 750	1550 X 1700 X 750	1550 X 1700 X 750
BOILER DIMENSIONS EXT MODEL (H X W X D)	mm	1637 X 900 X 750	1637 X 1710 X 750	1637 X 1710 X 750
DRY WEIGHT	kg	270	380	450
WATER CONTENT	l	70	112	132
WATER MANIFOLD	in	5"	5"	5"
GAS MANIFOLD	in	3"	3"	3"
FLUE MANIFOLD	mm	110	110	110
CONDENSATE DRAIN	mm	50	50	50
POWER AND EFFICIENCY				
HEAT INPUT REF. HHV (MIN - MAX)	kW	25.5 - 255.6	25.5 - 383.4	25.5 - 511.2
HEAT INPUT REF. NHV (MIN - MAX)	kW	23 - 230	23 - 345	23 - 460
USEFUL HEAT OUTPUT (80/60°C)	kW	226.8	340.2	453.6
USEFUL HEAT OUTPUT (50/30°C)	kW	249.8	374.7	499.6
USEFUL HEAT OUTPUT (60/40°C)	kW	239.6	359.4	479.2
CONDENSATE PRODUCTION PER HOUR 100% (50/30°C) - GAS G20	l	34.4	51.6	68.8
USEFUL EFFICIENCY REF NHV (80/60°C)	%	98.6	98.6	98.6
USEFUL EFFICIENCY REF NHV (50/30°C)	%	108.6	108.6	108.6
USEFUL EFFICIENCY REF NHV TM=50°C (60/40°C)	%	104.2	104.2	104.2
USEFUL EFFICIENCY AT 30% REF NHV (80/60°C)	%	99.2	99.2	99.2
USEFUL EFFICIENCY AT 30% REF NHV (50/30°C)	%	109	109	109
USEFUL EFFICIENCY AT 30% REF NHV TM=50°C (60/40°C)	%	105	105	105
LOSSES THROUGH THE CASING (TM=70°C)	%	0.1	0.1	0.1
EFFICIENCY ACCORDING TO EUROPEAN DIRECTIVE EEC 92/42		4 STAR		
GAS RATES				
GAS CAPACITY (MIN - MAX) G20	Sm3/h	2.4 - 23.6	2.4 - 35.3	2.4 - 47.1
GAS CAPACITY (MIN - MAX) G30	kg/h	1.7 - 16.7	1.7 - 25.1	1.7 - 33.5
GAS CAPACITY (MIN - MAX) G31	kg/h	1.6 - 16.4	1.6 - 24.7	1.6 - 32.9
CONSUMPTION AND ELECTRICAL POWER				
GAS CATEGORY		II2H3+	II2H3+	II2H3+
CONSUMPTION METHANE (G20)	m³/h	2.43 / 24.3	2.43 / 36.5	2.43 / 48.7
POWER SUPPLY		230V - 50HZ	230V - 50HZ	230V - 50HZ
MAXIMUM ELECTRICAL POWER	kW	0.6	0.9	1.2
COMBUSTION DATA				
MAX EXHAUST RESIDUAL MANOMETRIC HEAD FOR EACH UNIT	Pa	500	500	500
CARBON MONOXIDE CO (0% DI O2) (MIN - MAX)	mg/kW	23 - 130	23 - 130	23 - 130
NITROGEN OXIDE NO_x CLASS (REF UNI-EN 297)		5	5	5
HEATING CIRCUIT				
HEATING TEMPERATURE REGULATION (MIN/MAX)	°C	20 / 80	20 / 80	20 / 80
WATER OPERATING PRESSURE (MAX/MIN)	bar (kPa)	6 / 0.5 (500 / 50)	6 / 0.5 (500 / 50)	6 / 0.5 (500 / 50)
MAX MANOMETRIX HEAD AT NOMINAL FLOW OF 5'500 L/H	Pa[m	1500 [1.5]	1500 [1.5]	1500 [1.5]

Monitor and control – No need for a Building Management System*

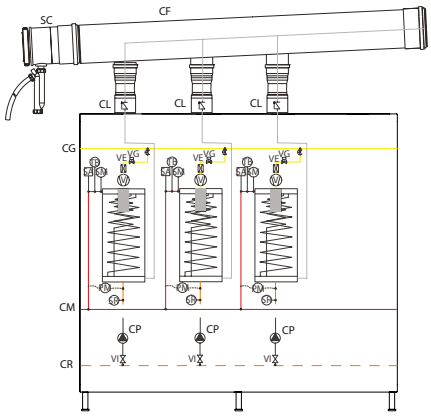
See page 36 for details of the CondexaPRO remote control.

*In some cases.

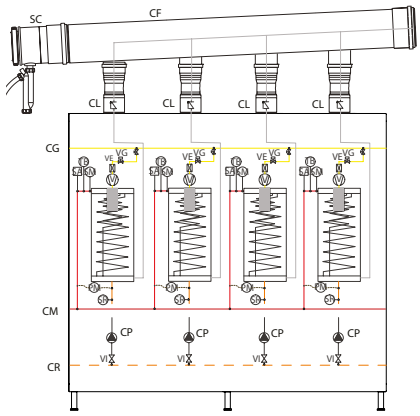
Hydraulic circuit



CondexaPRO Box 1002 P INT



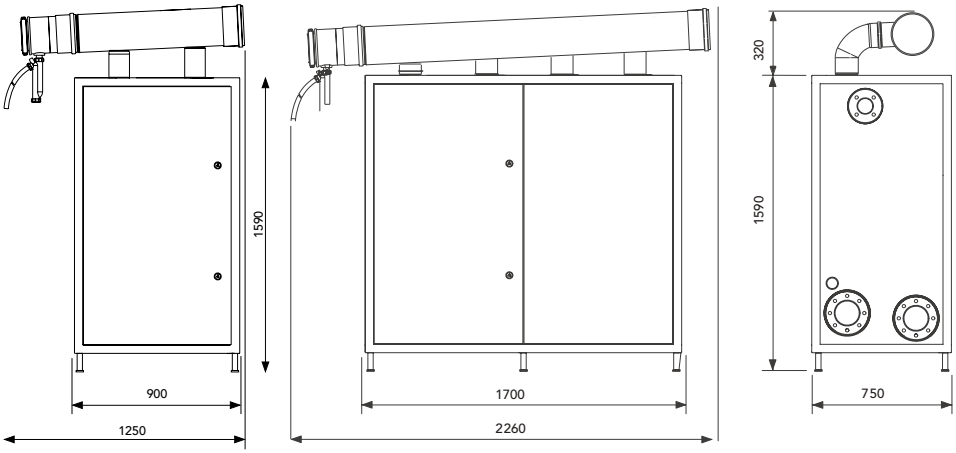
CondexaPRO Box 1003 P INT



CondexaPRO Box 1004 P INT

KEY		FEATURES
CF	FLUE COLLECTOR	OPTIONAL AND EXTERNAL TO THE THERMAL CONDENSING UNIT 200mm PP
CL	CLAPET NO RETURN FLUES VALVE	OPTIONAL AND EXTERNAL TO THE THERMAL UNIT 110mm -> 110mm IN PP
VG	MOTORISED GAS VALVE	
VE	VENTURI PRE-MIXING DEVICE	ALLOWS THE TOTAL PRE-MIXING
V	FAN	MAX POWER 80W - MODULATING 1200 - 3600 rpm
SM	FLOW FTC PROBE	NTC TYPE, 10kOhm
TB	LOCKOUT THERMOSTAT	MAX T° LOCKOUTL 90°C +/- 5°C. MAX T° MANUAL RESET: 80°C +/- 5°C
SA	AIR VENT	JOLLY TYPE, 3/8" CONNECTION

KEY		FEATURES
SC	CONDENSATE DRAIN KIT	
PM	MINIMUM PRESSURE SWITCH (DIFFERENTIAL)	
SR	RETURN NTC PROBE	NTC TYPE, 10kOhm
CP	PUMP FOR SINGLE THERMAL UNIT	INCLUDED IN THE THERMAL UNIT - FIXED FLOW LOW 5000 l/h AND 4.5 mH_2O FOR SINGLE UNIT, REF ΔT 21°C
VI	STOP VALVE	3/4" INCLUDED AS STANDARD
CG	GAS PIPE	3/4" FLANGED PIPE PN6, INCLUDED AS STANDARD
CM	FLOW COLLECTOR	5" FLANGED PIPE PN6, INCLUDED AS STANDARD
CR	RETURN COLLECTOR	5" FLANGED PIPE PN6, INCLUDED AS STANDARD

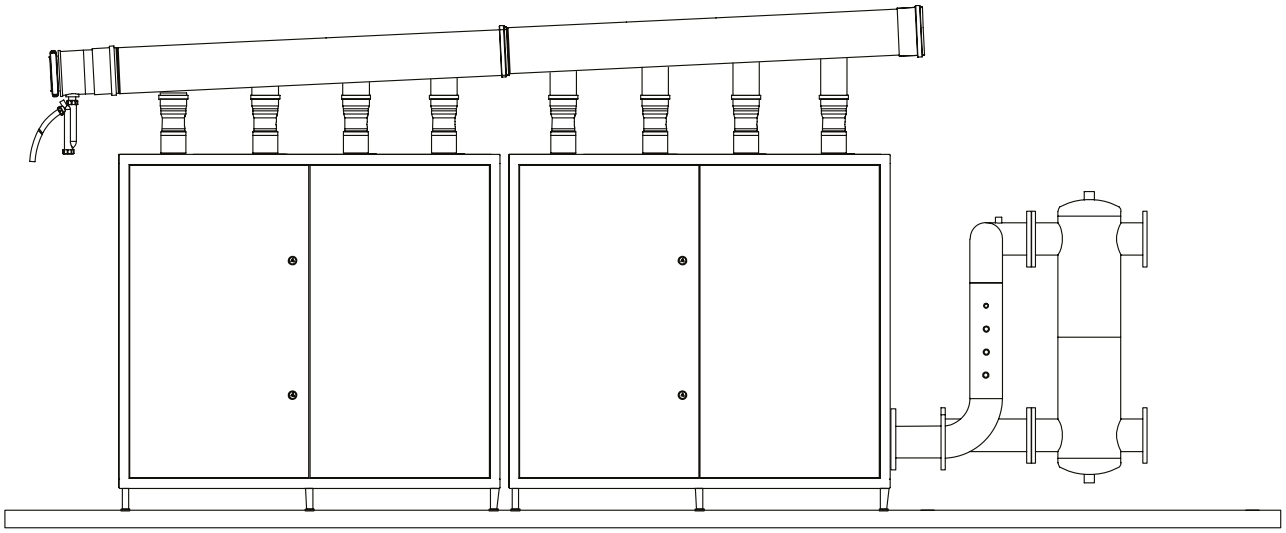


Flue and installation guidance

Flue gas outlet and combustion data

Air intake and vent pipe sizes

If you cascade the CondexaPRO Box 1000 (indoor or outdoor models) and they discharge into one manifold the diameter of the pipe is Ø200mm (see below table). For cascade installations where there are two or more units the diameter of the exhaust manifold must be properly sized, or connect up to two CondexaPRO Box 1000 units using separate multiple lines of Ø200mm.



MAXIMUM LENGTH OF THE DUCT IN METRES			
INSTALLED POWER (kW)	WIDTH Ø110	WIDTH Ø160	WIDTH Ø200
115	50	60	
230	-	60	
345	-	60	
460	-	40	60
575	-	25	60
690	-	-	60
805	-	-	55
920	-	-	40
1035	-	-	35
1150	-	-	25

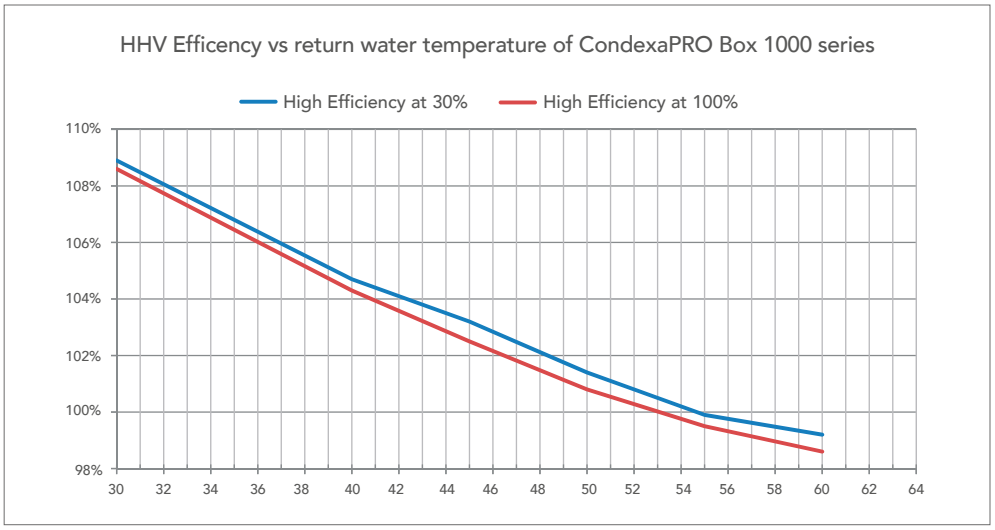
Installation guidance

Compact in-line solution

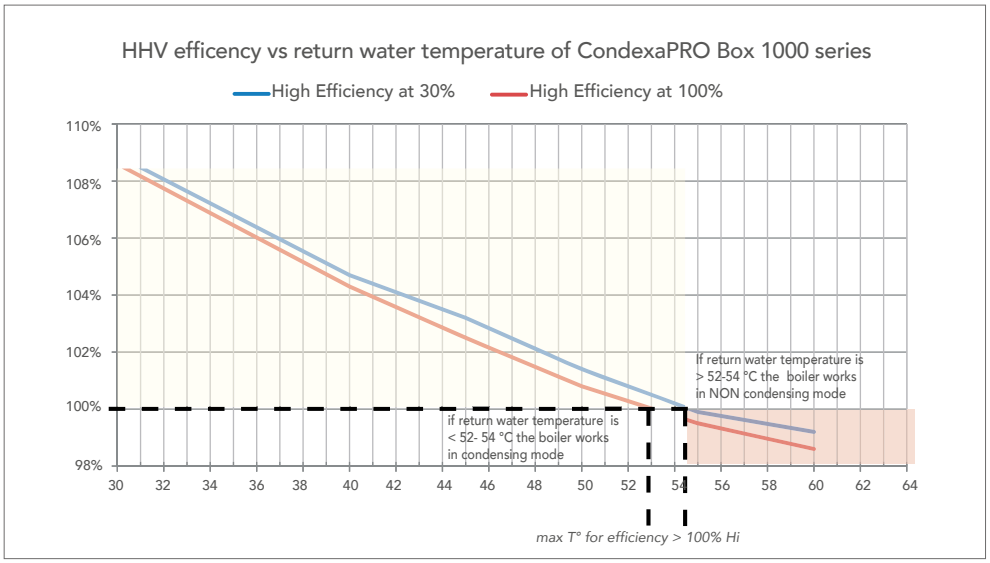
The installation as a whole benefits from high outputs from a compact design. In the example on the right, the installation has eight engines for a total of approximately 1MW (HHV).

Efficiency vs return water temperature

The CondexaPRO Box incorporates an extremely efficient heat engine; this results in an extremely low return temperature/flue exhaust gas temperature (temperature differential); as can be seen in the graph below, the CondexaPRO Box achieves a minimum efficiency of 99% at a return temperature of 60°C, that can rise to over 108% depending on the return water temperature. What's really impressive is that the efficiency begins to exceed 100% once the return water temperature drops below the 'dew' point.



From the diagram it is easy to identify the range of return water temperature where the boiler works in condensing or non-condensing modes.

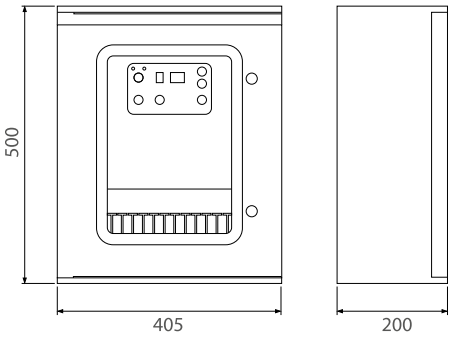


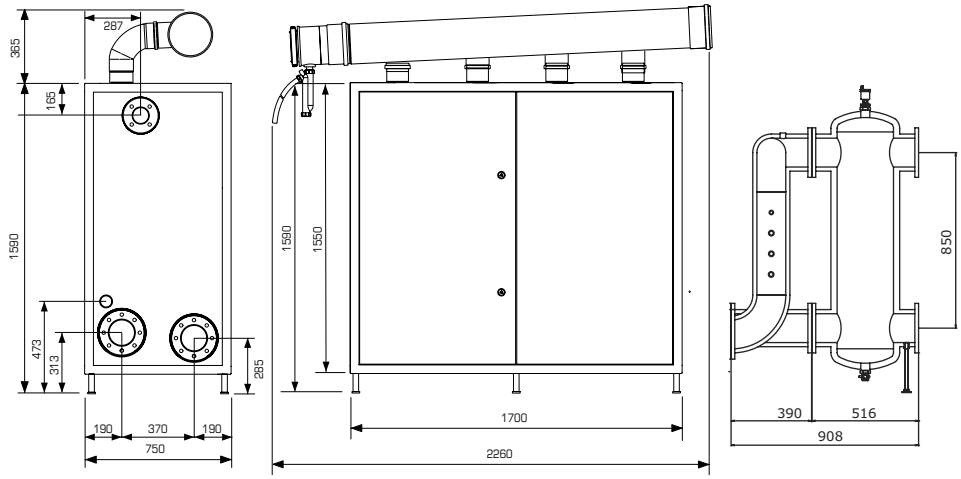
Master PCB

The master PCB (to be purchased separately) is required to manage all of the combustion groups and it is the core of the net of intelligent devices that can be added (additional zones PCB, remote control etc).

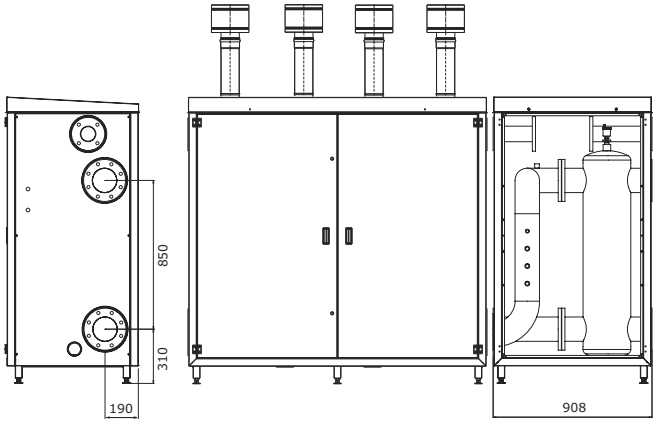
It is delivered together with a set of blind flanges and outdoor sensor to complete the installation.

ELECTRONIC CONTROL FOR CASCADE MANAGEMENT		
CODE	MODEL DESCRIPTION	
20067837	MASTER BOARD - MANAGES THE THERMAL MODULES CASCADE; CONTAINS BLIND FLANGES KIT AND EXTERNAL PROBE. IT IS COMPULSORY TO ORDER A MASTER BOARD FOR EACH CASCADE.	
XKIT1460E	ISOLATING VALVE FOR SINGLE HEAT EXCHANGER	





Internal: CondexaPRO Box 1003 / CondexaPRO Box 1004



External: CondexaPRO Box 1003 / CondexaPRO Box 1004

Internal External

CondexaPRO AI 1000 Box

Fully modulating condensing boiler

Pre-built, fully tested plug and play cabinet solution. Stand-alone unit featuring built-in hydronic header & multi-zone kit - for internal or external applications.

5 Year Warranty

125 kW
Up To 125kW

Pre-Built Unit

Riello Combustion

- Single heat exchanger (124.9kW @ 50/30°C)
- Built-in controls
- Compact dimensions
- 4 Star class A efficiency†
- Built-in hydraulic header, manifold, safety devices and flue collector
- LPG conversion kit included as standard
- Condenses even in high temperature systems
- Large heat exchanger surface area - copper & stainless steel
- Factory tested

CONDEXAPRO BOX AI 1000 SERIES - FOR INTERNAL AND EXTERNAL INSTALLATION					
CODE	MODEL DESCRIPTION	GAS	DIMENSIONS mm (H X W X D)	INPUT kW (HHV)	INPUT kW (NHV)
WITH SHUNT PUMPS					
20067835	CONDEXAPRO AI 1000 INT	NG / LPG	1590 X 898 X 750	128	115
20067836	CONDEXAPRO AI 1000 EXT	NG / LPG	1640 X 898 X 750	128	115

Monitor and control – No need for a Building Management System*

See page 36 for details of the CondexaPRO remote control.

*In some cases.

† According to EEC 92/42

SPECIFICATIONS		CONDEXAPRO BOX 1002 P INT/EXT
BOILER TYPE (EN 297)		B23, B53, B53P, C13, C33, C53, C63
CE HOMOLOGATION NUMBER		0085CL0333
DIMENSIONS AND CONNECTIONS		
BOILER DIMENSIONS INT MODEL (H X W X D)	mm	1590 X 898 X 750
BOILER DIMENSIONS EXT MODEL (H X W X D)	mm	1640 X 898 X 750
DRY WEIGHT	kg	140
WATER CONTENT	l	27
WATER MANIFOLD	in	2"
GAS MANIFOLD	in	1"
FLUE MANIFOLD	mm	110
CONDENSATE DRAIN	mm	50
POWER AND EFFICIENCY		
HEAT INPUT REF. HHV (MIN - MAX)	kW	25.5 - 127.8
HEAT INPUT REF. NHV (MIN - MAX)	kW	23 - 115
USEFUL HEAT OUTPUT (80/60°C)	kW	113.4
USEFUL HEAT OUTPUT (50/30°C)	kW	124.9
USEFUL HEAT OUTPUT (60/40°C)	kW	119.8
CONDENSATE PRODUCTION PER HOUR 100% (50/30°C) - GAS G20	l	17.2
USEFUL EFFICIENCY REF NHV (80/60°C)	%	98.6
USEFUL EFFICIENCY REF NHV (50/30°C)	%	108.6
USEFUL EFFICIENCY REF NHV TM=50°C (60/40°C)	%	104.2
USEFUL EFFICIENCY AT 30% REF NHV (80/60°C)	%	99.2
USEFUL EFFICIENCY AT 30% REF NHV (50/30°C)	%	109
USEFUL EFFICIENCY AT 30% REF NHV TM=50°C (60/40°C)	%	105
LOSSES THROUGH THE CASING (TM=70°C)	%	0.1
EFFICIENCY ACCORDING TO EUROPEAN DIRECTIVE EEC 92/42		4 STAR
GAS RATES		
GAS CAPACITY (MIN - MAX) G20	Sm3/h	2.4 - 11.8
GAS CAPACITY (MIN - MAX) G30	kg/h	1.7 - 8.4
GAS CAPACITY (MIN - MAX) G31	kg/h	1.6 - 8.2
CONSUMPTION AND ELECTRICAL POWER		
GAS CATEGORY		II2H3+
CONSUMPTION METHANE (G20)	m³/h	2.4 / 12.2
POWER SUPPLY		230V - 50Hz
MAXIMUM ELECTRICAL POWER	kW	0.25
COMBUSTION DATA		
MAX EXHAUST RESIDUAL MANOMETRIC HEAD FOR EACH UNIT	Pa	800
CARBON MONOXIDE CO (0% DI O2) (MIN - MAX)	mg/kW	23 -130
NITROGEN OXIDE NO_x CLASS (REF UNI-EN 297)		5
HEATING CIRCUIT		
HEATING TEMPERATURE REGULATION (MIN/MAX)	°C	20 / 80
WATER OPERATING PRESSURE (MAX/MIN)	bar (kPa)	6 / 0.5 (500 / 50)
MAX MANOMETRIX HEAD AT NOMINAL FLOW OF 5'500 L/H	Pa[m c a]	1500 [1.5]

CondexaPRO controls

The wall mounted remote control (code 1102379) is the system used to operate the M boiler (Master), plus any S boilers (Slaves) connected. It carries out the function of programmable room control with the possibility to:

- Set the on/off parameters for three independent circuits (high temperature, low temperature and domestic hot water)
- Offer further zones via zone master kits (see page 37)
- Display and identify any faults in the system
- Offer limited functionality (program and temperatures) for the end user but greater functionality (parameter settings) for the installer/maintenance teams via password protection
- Be positioned up to 100m from the boilers

Zone master kit

The electronic ZONE MASTER KIT board integrates the functions of the master board for boilers and makes it possible to include mixed zones in addition to those normally managed by the master board. The zone master kit can only be used along with a remote control kit, which is supplied separately.

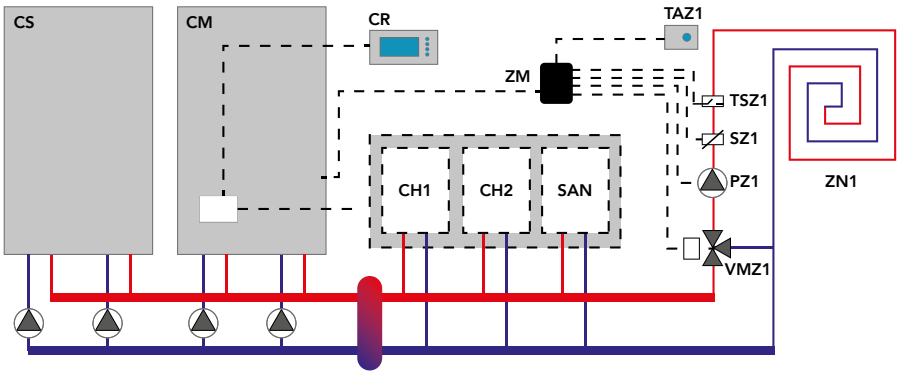


Figure 1: system with high temperature, low temperature, and additional mixed zones.

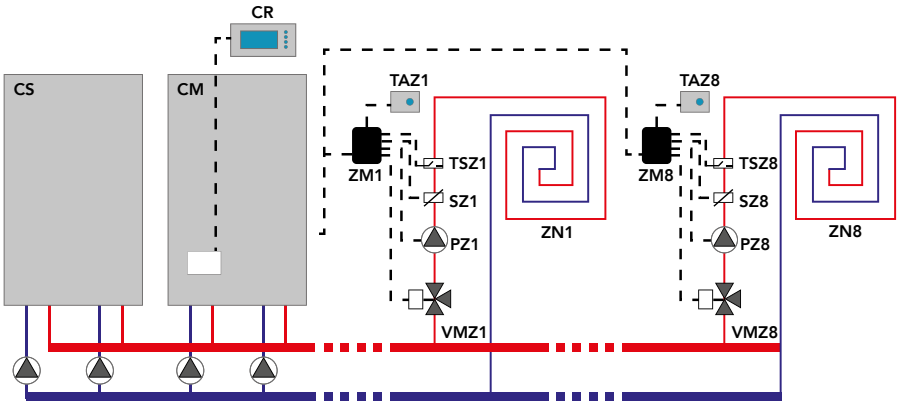


Figure 2: system with a number of additional mixed zones.

CS	Slave boiler
CM	Master boiler
CH1	High temperature circuit
CH2	Low temperature circuit
SAN	Hot water circuit
ZN1	Additional mixed zone 1
CR	Remote control (essential)
ZM	ZONE MASTER electronic board
TAZ1	Ambient thermostat, zone 1
VMZ1	Mixer valve, zone 1
PZ1	Pump, zone 1
SZ1	Temperature sensor, zone 1
TAZ1	Safety thermostat, zone 1

Figure 1 shows a diagram for a system that has three circuits (CH1 high temperature, CH2 low temperature, and SAN hot water) that are managed directly by the boiler's master board, plus an additional mixed circuit managed by the zone master board.

The following devices can be connected to the board to regulate the additional zone:

- Mixer valve
- Temperature sensor (supplied with the kit)
- System circulation unit
- Safety thermostat
- Ambient thermostat

In order to be able to control the system the remote control kit must be installed, and the operating parameters for the additional zone must be entered using it. Up to eight mixed zones can be added, by installing the same number of zone master boards. However, the zones must be controlled by means of a single remote control that has a function for entering the operating parameters for all the additional zones. In order to find out how, see the manual supplied with the remote control kit.

Figure 2 shows the connections for a system with a number of additional zones.

Commercial cylinders & buffer vessels

Immersion heaters

Compatible with cylinders from 1500 to 3000 litres and buffer vessels STOR and STOR H.

IMMERSION HEATERS				
CODE	MODEL	OUTPUT	SIZE	WARRANTY
4383270	SINGLE-PHASE IMMERSION KIT	1.5 kW	1.5"	2 YEARS
4383271	SINGLE-PHASE IMMERSION KIT	2.2 kW	1.5"	2 YEARS
4383272	SINGLE-PHASE IMMERSION KIT	3.0 kW	1.5"	2 YEARS
20079908	SINGLE-PHASE IMMERSION KIT	6.0 kW	1.5"	2 YEARS
20020707	THREE-PHASE IMMERSION KIT	3.8 kW	1.5"	2 YEARS

IDRA N DS AND IDRA DS N

- Maximum working temperature 99°C
- Twin coil heat exchanger
- Double magnesium anode included

IDRA DS AND IDRA N DS - TWIN COIL CYLINDERS				
CODE	MODEL	DIMENSIONS (H X Ø)	CAPACITY	WARRANTY
20117883	IDRA DS 430 N	1630 X 755 mm	433 LITRES	2 YEARS
20117884	IDRA DS 550 N	1980 X 755 mm	546 LITRES	2 YEARS
20132278	IDRA DS 750 N	1870 X 1000 mm	716 LITRES	2 YEARS
20132881	IDRA DS 1000 N	2195 X 1000 mm	875 LITRES	2 YEARS
20136241	IDRA N DS 1500	2120 X 1200 mm	1449 LITRES	2 YEARS
20136242	IDRA N DS 2000	2405 X 1300 mm	2054 LITRES	2 YEARS

IDRA N DS

IDRA DS N

IMMERSION HEATERS AND ACCESSORIES IDRA DS N			
CODE	DESCRIPTION	CODE	DESCRIPTION
20119911	1.5kW SINGLE-PHASE FLANGED IMMERSION KIT	20055206	1/2" ELECTRICAL ANODE KIT
20119912	2.2kW SINGLE-PHASE FLANGED IMMERSION KIT	20123850	CYLINDER THERMOMETER KIT
20119913	3kW SINGLE-PHASE FLANGED IMMERSION KIT	20123849	BEND KIT FOR RECIRCULATION
20119914	3.8kW THREE-PHASE FLANGED IMMERSION KIT	20123851	BEND KIT FOR ELECTRICAL ANODE (RECIRCULATION ONLY)
20123853	ELECTRICAL ANODE KIT WITHOUT ELECTRICAL PLUG		

IDRA PLUS DS

- Maximum working temperature 99°C
- Three flanges
- Double magnesium anode included

IDRA PLUS DS CYLINDER AND ACCESSORIES				
CODE	MODEL	DIMENSIONS (H X Ø)	CAPACITY	WARRANTY
20136280	IDRA PLUS DS 1000	2205 X 990 mm	955 LITRES	2 YEARS
20136282	IDRA PLUS DS 1500	2470 X 1300 mm	1990 LITRES	2 YEARS
20136285	IDRA PLUS DS 2000	2185 X 1200 mm	1430 LITRES	2 YEARS
20052796	IDRA PLUS DS 3000	2730 X 1450 mm	2959 LITRES	2 YEARS
CODE	DESCRIPTION	DIMENSIONS (L X Ø)	WATER CONTENT	WARRANTY
20055205	TIN COATED COPPER COIL KIT 2.63m² - 53kW	580 X 200 mm	1.74 LITRES	2 YEARS
4838089	TIN COATED COPPER COIL KIT 4.54m² - 91kW	750 X 200 mm	3.56 LITRES	2 YEARS
4838087	TIN COATED COPPER COIL KIT 6.34m² - 127kW	980 X 200 mm	5.1 LITRES	2 YEARS

IDRA PLUS DS

IDRA MS

- Single coil heat exchanger
- Enameled (double layer) steel solar cylinder
- Sacrificial magnesium anode included

IDRA MS SINGLE COIL CYLINDER				
CODE	MODEL	DIMENSIONS (H X Ø)	CAPACITY	WARRANTY
20015340	IDRA MS 550	1980 X 755 mm	556 LITRES	2 YEARS

IDRA MS

HYBRID STOR

- Triple coil buffer vessel
- DHW coil in AISI 316L stainless steel
- Ideal for heating and DHW production

HYBRID STOR TRIPLE COIL BUFFER VESSELS				
CODE	MODEL	DIMENSIONS (H X Ø)	CAPACITY	WARRANTY
20051862	HYBRID STOR 430	1650 X 810 mm	407 LITRES	2 YEARS
20051863	HYBRID STOR 4550	2000 X 810 mm	520 LITRES	2 YEARS
20051864	HYBRID STOR 750	1855 X 1000 mm	732 LITRES	2 YEARS
20051866	HYBRID STOR 1000	2180 X 1000 mm	898 LITRES	2 YEARS

HYBRID STOR

STOR M AND STOR

- Designed for forced circulation solar systems to supplement the heating system
- Not suitable for DHW storage. Production of DHW through an additional heat exchanger module. (Ask Vokèra Pre Sales for advice)
- Eight fittings for the use of different types of heat generators optimising stratification
- STOR M models are supplied with heat exchange solar coil and insulation as standard
- Additional heat exchange solar coils can be installed via a standard flange on STOR models
- Insulation is delivered separately from the STOR models

STOR M AND STOR BUFFER VESSELS				
CODE	MODEL	DIMENSIONS (H X Ø)	CAPACITY	WARRANTY
20055207	STOR 300M WITH COIL	1635 X 700 mm	283 LITRES	2 YEARS
20055208	STOR 500M WITH COIL	1775 X 850 mm	489 LITRES	2 YEARS
20136264	STOR 1000M WITH COIL	2190 X 990 mm	1000 LITRES	2 YEARS
20136265	STOR 1500M WITH COIL	2165 X 1200 mm	1449 LITRES	2 YEARS
20136258	STOR 2000	2480 X 1300 mm	2054 LITRES	2 YEARS
20001409	STOR 3000	2720 X 1450 mm	2960 LITRES	2 YEARS
20001410	STOR 5000	2870 X 1800 mm	5055 LITRES	2 YEARS
CODE	DESCRIPTION	DIMENSIONS (L X Ø)	WATER CONTENT	WARRANTY
20055205*	TIN COATED COPPER COIL KIT 2.63m² - 53kW	580 X 200 mm	1.74 LITRES	2 YEARS
4838089*	TIN COATED COPPER COIL KIT 4.54m² - 91kW	750 X 200 mm	3.56 LITRES	2 YEARS
4838087*	TIN COATED COPPER COIL KIT 6.34m² - 127kW	980 X 200 mm	5.1 LITRES	2 YEARS

STOR M and STOR

STOR H

- Ideal for use with heat pumps, solar thermal and biomass boilers
- Integrates into systems where a Vokèra boiler works as the auxiliary heat generator
- Possibility to integrate an immersion heater

STOR H HOT/COLD WATER STORAGE CYLINDER				
CODE	MODEL	DIMENSIONS (H X Ø)	CAPACITY	WARRANTY
20056180	STOR H 200	1395 X 550 mm	203 LITRES	2 YEARS
20056181	STOR H 300	1560 X 600 mm	283 LITRES	2 YEARS
20056182	STOR H 400	1540 X 700 mm	399 LITRES	2 YEARS
20056183	STOR H 500	1840 X 700 mm	483 LITRES	2 YEARS

STOR H

*Only to be used with STOR 2000, 3000 and 5000 buffer vessels.

Plate heat exchangers

- Stainless steel AISI 316 L inspectable plate heat exchanger
- NBR gaskets
- AISI 316 screw fittings
- Maximum working temperature of 110°C
- Maximum pressure 10 bar

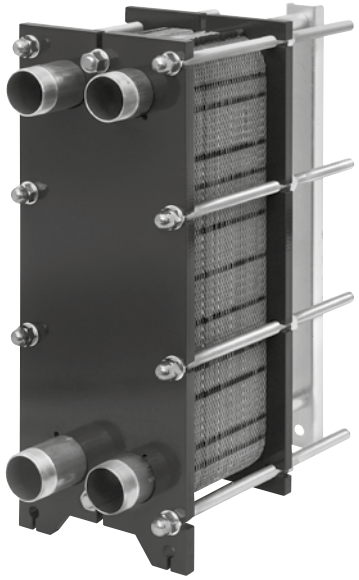
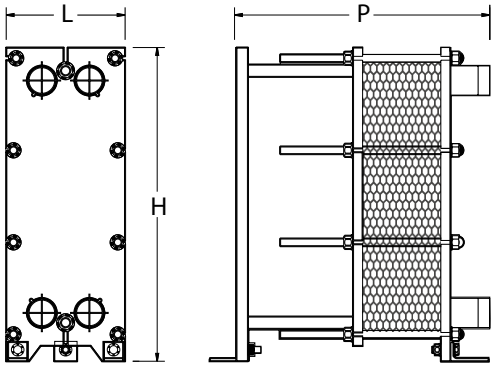


PLATE HEAT EXCHANGERS							
CODE	MODEL DESCRIPTION	NO. OF PLATES	DN	MIX (%)*	WEIGHT (kg)	INSULATION KIT**	WARRANTY
20014230	SP 04A - 19 N	19	DN 65	100	122	C6	2 YEARS
20014218	SP 04A - 23 N	23	DN 65	100	124	C6	2 YEARS
20014225	SP 04X - 23 N	23	DN 65	45	126	C6	2 YEARS
20014219	SP 04A - 27 N	27	DN 65	100	126	C6	2 YEARS
20014239	SP 04X - 29 N	29	DN 65	40	100	C6	2 YEARS
20014238	SP 04X - 33 N	33	DN 65	35	130	C6	2 YEARS
20014235	SP 04A - 35 N	35	DN 65	100	131	C6	2 YEARS
20014234	SP 04X - 41 N	41	DN 65	35	135	C6	2 YEARS
20014232	SP 04A - 47 N	47	DN 65	100	142	C7	2 YEARS
20014236	SP 04X - 55 N	55	DN 65	35	147	C7	2 YEARS
20014231	SP 04A - 59 N	59	DN 65	100	150	C7	2 YEARS
20014241	SP 04X - 67 N	67	DN 65	90	155	C7	2 YEARS
20014233	SP 04X - 71 N	71	DN 65	25	157	C7	2 YEARS
20014228	SP 04X - 79 N	79	DN 65	85	177	C8	2 YEARS
20014221	SP 04X - 93 N	93	DN 65	20	186	C8	2 YEARS

* % Mix of high efficiency plates. ** Optional extra (to be ordered separately); C6 code 20090501, C7 code 20096867, C8 code 20096868. Optional also is the P2 Ground Fixing Kit which can be ordered using code 20120282.

Dimensions - SP heat exchangers

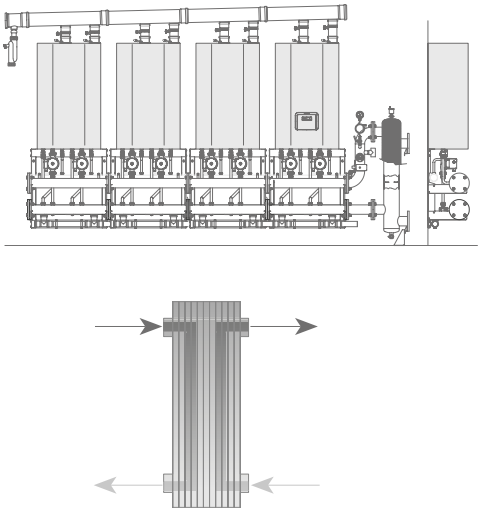
PLATE HEAT EXCHANGERS IN AISI 316 L, WITH NBR GASKETS			
DESCRIPTION	H (mm)	W (mm)	D (mm)
SP 04 - 19 TO 71 N	820	310	638
SP 04 - 79 TO 93 N	820	310	1138



Selection table

INSTALLATION POWER OUTPUT / HIGH TEMPERATURE CIRCUITS (80/60°C)		
CODE	CONDEXAPRO CONFIGURATION	MODEL
20014230	110 - 115	SP 04A - 19 N
20014230	150	SP 04A - 19 N
20014225	200	SP 04A - 23 N
20014235	250	SP 04A - 35 N
20014235	300	SP 04A - 35 N
20014232	350	SP 04A - 47 N
20014232	400	SP 04A - 47 N
20014231	450	SP 04A - 59 N
20014231	500	SP 04A - 59 N
20014241	550	SP 04X - 67 N
20014228	600	SP 04X - 79 N

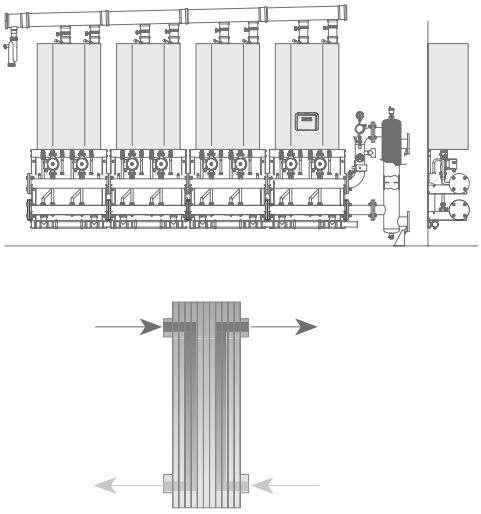
THERMAL SOFTWARE				
	FLUID	IN (°C)	OUT (°C)	LOSSES (kPa)
PRIMARY	H_2O	80	60	≤ 15
SECONDARY	H_2O	50	70	≤ 20



Selection table

INSTALLATION POWER OUTPUT / HIGH TEMPERATURE CIRCUITS (60/40°C)		
CODE	CONDEXAPRO CONFIGURATION	MODEL
20014225	110 - 115	SP 04X - 23 N
20014239	150	SP 04X - 29 N
20014238	200	SP 04X - 33 N
20014234	250	SP 04X - 41 N
20014236	300	SP 04X - 55 N
20014233	350	SP 04X - 71 N
20014233	400	SP 04X - 71 N
20014221	450	SP 04X - 93 N
20014221	500	SP 04X - 93 N

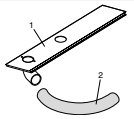
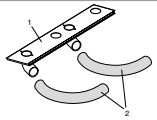
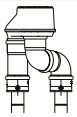
THERMAL SOFTWARE				
	FLUID	IN (°C)	OUT (°C)	LOSSES (kPa)
PRIMARY	H_2O	60	40	≤ 15
SECONDARY	H_2O	60	30	≤ 15



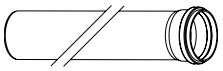
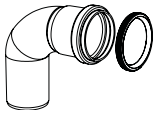
Flue options

Indoor flue options: 500 series only

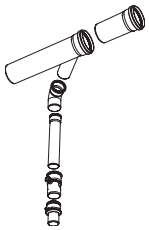
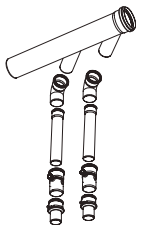
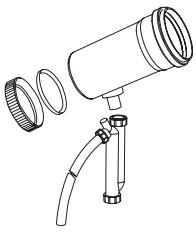
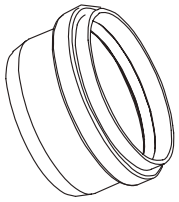
ROOM SEALED KITS - FOR CONDEXAPRO BOILERS

CODE	DESCRIPTION	DIAGRAM
1102439	AIR CONNECTION KIT TO CONDEXAPRO 50kW	
1102449	AIR CONNECTION KIT TO CONDEXAPRO 100kW	
20064739	CONVEYOR (IF YOU NEED THIS ACCESSORY PLEASE CONTACT PRE SALES FOR ADVICE)	

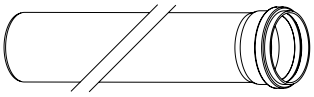
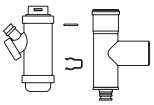
INDOOR FLUE OPTIONS - FLUE SYSTEMS Ø50 (ONLY FOR 500 SERIES)

CODE	DESCRIPTION	DIAGRAM
20046016	640mm EXTENSION Ø60 (BLACK PP)	
20046760	90° BEND Ø60 (BLACK PP)	
20046028	AIR INTAKE/FLUE DRAIN KIT Ø60 (BLACK PP)	

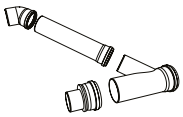
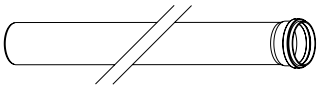
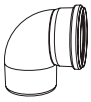
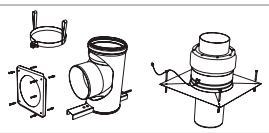
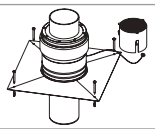
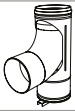
FLUE HEADERS- FOR CONDEXAPRO BOILERS

CODE	DESCRIPTION	DIAGRAM
29450240	FLUES COLLECTOR KIT Ø125 FOR 50kW	
4030019	FLUES COLLECTOR KIT Ø160 FOR 50kW	
20062323	FLUES COLLECTOR KIT Ø200 FOR 50kW	
29450241	FLUES COLLECTOR KIT Ø125 FOR 100kW	
4030037	FLUES COLLECTOR KIT Ø160 FOR 100kW	
20062312	FLUES COLLECTOR KIT Ø200 FOR 100kW	
29450225	CONDENSATE DRAIN KIT Ø125 WITH END CAP	
29450250	CONDENSATE DRAIN KIT Ø160 WITH END CAP	
29450275	CONDENSATE DRAIN KIT Ø200 WITH END CAP	
20062332	END CAP Ø125V	
20062333	END CAP Ø160	
20062335	END CAP Ø200	

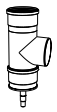
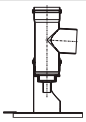
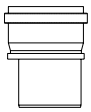
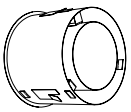
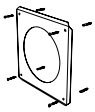
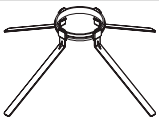
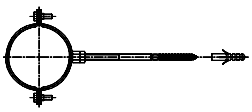
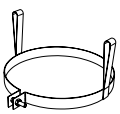
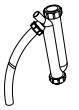
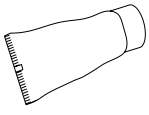
INDOOR FLUE OPTIONS - FLUE SYSTEMS Ø50 (ONLY FOR 500 SERIES)

CODE	DESCRIPTION	DIAGRAM
20021607	EXTENSION Ø50, 250mm (WHITE PP)	
20021608	EXTENSION Ø50, 500mm (WHITE PP)	
20021609	EXTENSION Ø50, 1000mm (WHITE PP)	
20031842	CONDENSATE DRAIN KIT Ø50 (WHITE PP)	
20031841	45° BEND Ø50 (WHITE PP)	
20031840	90° BEND Ø50 (WHITE PP)	
20027815	NON RETURN FLUE VALVE KIT Ø50/80 (PPtl)	

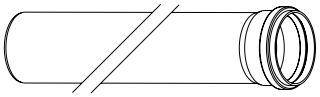
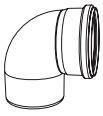
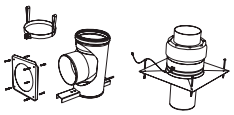
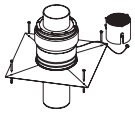
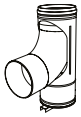
INDOOR FLUE OPTIONS - FLUE SYSTEMS Ø125 (ONLY FOR 500 SERIES)

CODE	DESCRIPTION	DIAGRAM
20017306	FLUES CONNECTOR KIT (PPtl) FOR FRONTAL/ REAR INSTALLATION (FOR CASCADE BACK TO BACK)	
29450226	250mm EXTENSION Ø125, (PPtl)	
29450227	500mm EXTENSION Ø125, (PPtl)	
29450228	1000mm EXTENSION Ø125, (PPtl)	
29450229	2000mm EXTENSION Ø125, (PPtl)	
29450231	INSPECTION T EXTENSION PIPE Ø125 (PPtl)	
29450225	CONDENSATE DRAIN KIT Ø125 WITH END CAP	
29450201	CONDENSATE EXTENSION DRAIN PIPE Ø125 (PPtl)	
29450202	15° BEND KIT Ø125 (PPtl)	
29450203	30° BEND KIT Ø125 (PPtl)	
29450204	45° BEND KIT Ø125 (PPtl)	
29450205	87° BEND KIT Ø125 (PPtl)	
29450230	INSPECTION BEND Ø125	
20027816	CHIMNEY KIT Ø125	
29450220	CHIMNEY COVER Ø125 WITH TERMINAL PIPE (INOX/PP UV BLACK)	
29450223	CHIMNEY SUPPORT WITH BEND Ø125 PPTL, EPDM, MET	

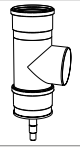
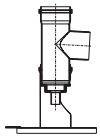
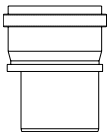
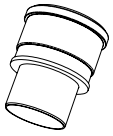
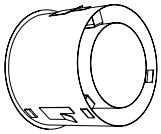
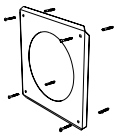
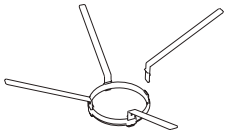
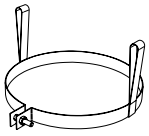
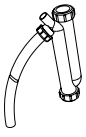
INDOOR FLUE OPTIONS - FLUE SYSTEMS Ø125 (ONLY FOR 500 SERIES)

CODE	DESCRIPTION	DIAGRAM
20062376	T-CONNECTION Ø125 WITH CONDENSATE DRAIN (PPtl)	
20063418	T-CONNECTION Ø125 WITH CONDENSATE DRAIN AND CHIMNEY SUPPORT	
20062409	ECCENTRIC ADAPTER Ø125/110	
20062411	CONCENTRIC ADAPTER Ø125/110	
29450224	WALL FEEDER Ø125/185 (STAINLESS STEEL)	
20062419	WALL COVER Ø125 (STAINLESS STEEL)	
20062420	WALL COVER Ø125 (WHITE EPDM)	
29450215	OUTLET GRILL Ø125 (STAINLESS STEEL)	
20037426	PIPE SPACERS KIT Ø125 (PLASTIC) 5 PCS	
20062440	SPACERS Ø125 (MET WHITE)	
20062398	TOOL Ø125	
29450239	SIPHON LONG JOHN (PPtl)	
29450243	ASSEMBLY LUBRICANT	

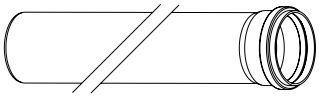
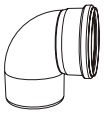
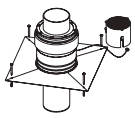
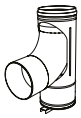
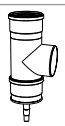
INDOOR FLUE OPTIONS - FLUE SYSTEMS Ø160 (ONLY FOR 500 SERIES)

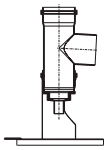
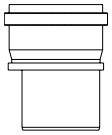
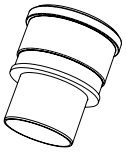
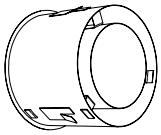
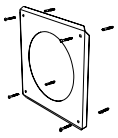
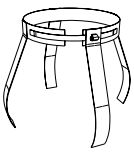
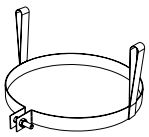
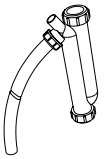
CODE	DESCRIPTION	DIAGRAM
29450245	250mm EXTENSION Ø160 (PPtl)	
29450246	500mm EXTENSION Ø160 (PPtl)	
29450247	1000mm EXTENSION Ø160 (PPtl)	
29450248	2000mm EXTENSION Ø160 (PPtl)	
29450257	INSPECTION T EXTENSION PIPE Ø160 (PPtl)	
29450250	CONDENSATE DRAIN KIT Ø160 WITH END CAP	
29450249	CONDENSATE EXTENSION DRAIN PIPE Ø160	
29450251	15° BEND KIT Ø160	
29450252	30° BEND KIT Ø160 (PPtl)	
29450253	45° BEND KIT Ø160 (PPtl)	
29450254	87° BEND KIT Ø160 (PPtl)	
29450256	INSPECTION BEND Ø160	
20032653	CHIMNEY KIT Ø160	
20060953	CHIMNEY COVER Ø160 WITH TERMINAL PIPE (INOX / PP UV BLACK)	
29450255	CHIMNEY SUPPORT WITH BEND Ø160 PPtl, EPDM, MET	

INDOOR FLUE OPTIONS - FLUE SYSTEMS Ø160 (ONLY FOR 500 SERIES)

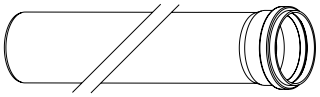
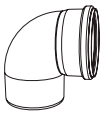
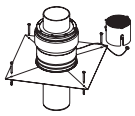
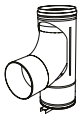
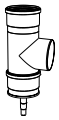
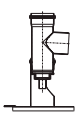
CODE	DESCRIPTION	DIAGRAM
20062448	T-CONNECTION Ø160 WITH CONDENSATE DRAIN	
20063419	T-CONNECTION Ø160 WITH CONDENSATE DRAIN AND CHIMNEY SUPPORT	
29450264	ECCENTRIC ADAPTER Ø160 - 125	
29450260	CONCENTRIC ADAPTER Ø160 F - 125 M	
29450345	WALL FEEDER Ø160/225 (STAINLESS STEEL)	
20062512	WALL COVER Ø160 (STAINLESS STEEL)	
29450266	OUTLET GRILL Ø160 (STAINLESS STEEL)	
20060948	PIPE SPACERS KIT Ø160 (PLASTIC) 5 PCS	
20062444	PIPE SPACERS KIT Ø160 (STAINLESS STEEL	
20062510	TOOL Ø160	
29450239	SIPHON LONG JOHN (PPtl)	

Indoor flue options: 500 and 1000 series

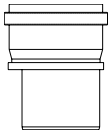
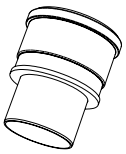
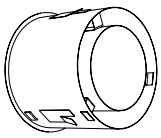
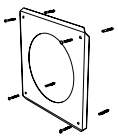
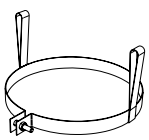
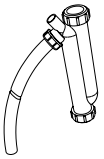
INDOOR FLUE OPTIONS - FLUE SYSTEMS Ø200 (FOR 500 AND 1000 SERIES)		
CODE	DESCRIPTION	DIAGRAM
29450270	250mm EXTENSION Ø200	
29450271	500mm EXTENSION Ø200	
29450272	1000mm EXTENSION Ø200	
29450273	2000mm EXTENSION Ø200	
29450282	INSPECTION T EXTENSION PIPE Ø200	
29450275	CONDENSATE DRAIN KIT Ø200 WITH END CAP	
29450274	CONDENSATE EXTENSION DRAIN PIPE Ø200	
29450276	15° BEND KIT Ø200	
29450277	30° BEND KIT Ø200	
29450278	45° BEND KIT Ø200	
29450279	87° BEND KIT Ø200	
29450281	INSPECTION BEND Ø200	
29450285	CHIMNEY COVER Ø200 WITH TERMINAL PIPE (INOX / PP UV BLACK)	
29450280	CHIMNEY SUPPORT WITH BEND Ø200 PPTL, EPDM, MET	
20062550	T-CONNECTION Ø200 WITH CONDENSATE DRAIN	

INDOOR FLUE OPTIONS - FLUE SYSTEMS Ø200 (FOR 500 AND 1000 SERIES)		
CODE	DESCRIPTION	DIAGRAM
20063420	T-CONNECTION Ø200 WITH CONDENSATE DRAIN AND CHIMNEY SUPPORT	
29450263	ECCENTRIC ADAPTER Ø200 - 160	
29450261	CONCENTRIC ADAPTER Ø200 - 160	
29450359	WALL FEEDER Ø200 (STAINLESS STEEL)	
20062574	WALL COVER Ø200 (STAINLESS STEEL)	
29450284	OUTLET GRILL Ø200 (STAINLESS STEEL)	
29450287	PIPE SPACERS KIT Ø200 (STAINLESS STEEL)	
20062563	TOOL Ø200	
29450239	SIPHON LONG JOHN (PPtl)	

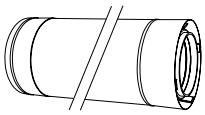
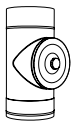
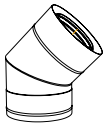
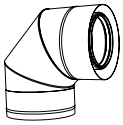
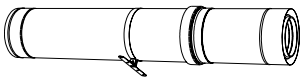
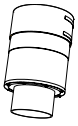
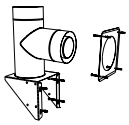
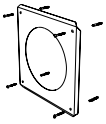
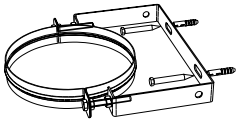
INDOOR FLUE OPTIONS - FLUE SYSTEMS Ø250 (FOR 500 AND 1000 SERIES)

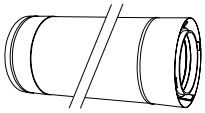
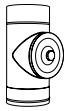
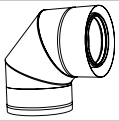
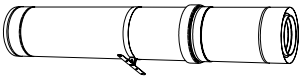
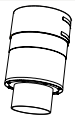
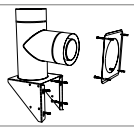
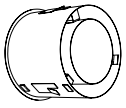
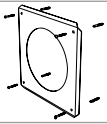
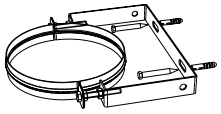
CODE	DESCRIPTION	DIAGRAM
29450389	250mm EXTENSION Ø250	
29450390	500mm EXTENSION Ø250	
29450391	1000mm EXTENSION Ø250	
29450392	2000mm EXTENSION Ø250	
29450401	INSPECTION T EXTENSION PIPE Ø250	
29450394	CONDENSATE EXTENSION DRAIN PIPE Ø250	
29450396	30° BEND KIT Ø250	
29450397	45° BEND KIT Ø250	
29450398	87° BEND KIT Ø250	
29450400	INSPECTION BEND 87° Ø250	
20450411	CHIMNEY COVER Ø250 WITH TERMINAL PIPE (INOX / PP UV BLACK)	
29450399	CHIMNEY SUPPORT WITH BEND Ø250 PPtl, EPDM, MET	
20062601	T-CONNECTION Ø250 WITH CONDENSATE DRAIN	
20063421	T-CONNECTION Ø250 WITH CONDENSATE DRAIN AND CHIMNEY SUPPORT	

INDOOR FLUE OPTIONS - FLUE SYSTEMS Ø250 (FOR 500 AND 1000 SERIES)

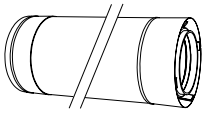
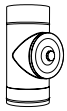
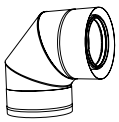
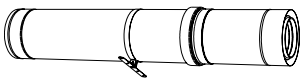
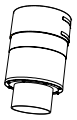
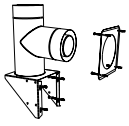
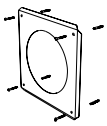
CODE	DESCRIPTION	DIAGRAM
29450419	ECCENTRIC ADAPTER Ø200 M - 250 F	
29450408	CONCENTRIC ADAPTER Ø200 M - 250 F	
29450373	WALL FEEDER Ø250 (STAINLESS STEEL)	
20062635	WALL COVER Ø250 (STAINLESS STEEL)	
29450410	OUTLET GRILL Ø250 (STAINLESS STEEL)	
29450412	PIPE SPACERS KIT Ø250 (STAINLESS STEEL)	
20062604	TOOL Ø250	
29450239	SIPHON LONG JOHN (PPtl)	

Outdoor flue options

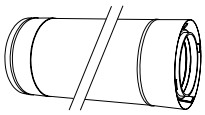
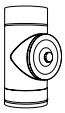
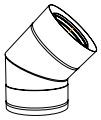
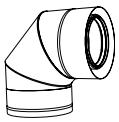
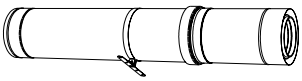
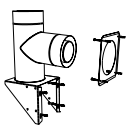
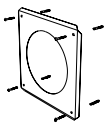
OUTDOOR FLUE OPTIONS - FLUE SYSTEMS Ø125 (PP) - Ø185 (STAINLESS STEEL)		
CODE	DESCRIPTION	DIAGRAM
20062637	250mm EXTENSION Ø125 - 185 (INOX)	
29450211	500mm EXTENSION Ø125 - 185 (INOX)	
29450212	1000mm EXTENSION Ø125 - 185 (PP/INOX)	
20062641	INSPECTION T EXTENSION PIPE Ø125 - 185 (INOX)	
29450207	15° BEND KIT Ø125 - 185 (PP - INOX)	
29450208	30° BEND KIT Ø125 - 185 (PP - INOX)	
29450209	45° BEND KIT Ø125 - 185 (PP - INOX)	
29450210	87° BEND KIT Ø125 - 185 (PP - INOX)	
29450218	1000mm PIPE FOR TERMINAL Ø125 - 185 (PP - INOX)	
29450216	TERMINAL Ø125 - 185 (PP UV / INOX)	
29450213	CHIMNEY SUPPORT KIT Ø125 - 185 PPtl, EPDM, MET	
20062654	WALL COVER Ø185 (INOX)	
20062653	EXTERNAL CHIMNEY SPACERS Ø185 (INOX)	

OUTDOOR FLUE OPTIONS - FLUE SYSTEMS Ø160 (PP) - Ø225 (STAINLESS STEEL)		
CODE	DESCRIPTION	DIAGRAM
29450331	500mm EXTENSION Ø160 - 225 (PP-INOX)	
29450332	1000mm EXTENSION Ø160 - 225 (PP-INOX)	
29450333	INSPECTION PIPE Ø160 - 225 (PP-INOX)	
29450334	15° BEND KIT Ø160 - 225 (PP-INOX)	
29450335	30° BEND KIT Ø160 - 225 (PP-INOX)	
29450336	45° BEND KIT Ø160 - 225 (PP-INOX)	
29450337	87° BEND KIT Ø160 - 225 (PP-INOX)	
29450342	1000mm PIPE FOR TERMINAL Ø160 - 225 (PP-INOX)	
29450340	TERMINAL Ø160 - 225 (PP-INOX)	
29450338	CHIMNEY SUPPORT KIT Ø160 - 225 PPtl, EPDM, MET	
29450345	WALL FEEDER Ø160 - 225 (INOX)	
29450330	WALL COVER Ø225 (PP-INOX)	
29450266	OUTLET GRILL Ø160 (INOX)	
29450339	EXTERNAL CHIMNEY SPACERS Ø225 (INOX)	

OUTDOOR FLUE OPTIONS - FLUE SYSTEMS Ø200 (PP) - Ø300 (STAINLESS STEEL)

CODE	DESCRIPTION	DIAGRAM
29450347	500mm EXTENSION Ø200 - 300 (PP-INOX)	
29450348	1000mm EXTENSION Ø200 - 300 (PP-INOX)	
29450349	INSPECTION PIPE Ø200 - 300 (PP-INOX)	
29450350	15° BEND KIT Ø200 - 300 (PP-INOX)	
29450351	30° BEND KIT Ø200 - 300 (PP-INOX)	
29450352	45° BEND KIT Ø200 - 300 (PP-INOX)	
29450353	87° BEND KIT Ø200 - 300 (PP-INOX)	
29450356	1000mm PIPE FOR TERMINAL Ø200 - 300 (PP-INOX)	
29450335	TERMINAL Ø200 - 300 (PP-INOX)	
29450357	CHIMNEY SUPPORT KIT Ø200 - 300 PPtl, EPDM, MET	
29450346	WALL COVER Ø300 (INOX)	

OUTDOOR FLUE OPTIONS - FLUE SYSTEMS Ø250 (PP) - Ø350 (STAINLESS STEEL)

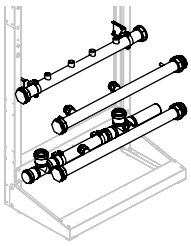
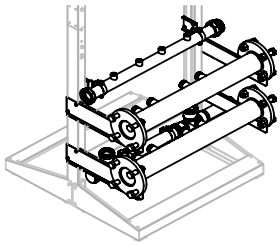
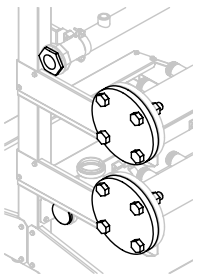
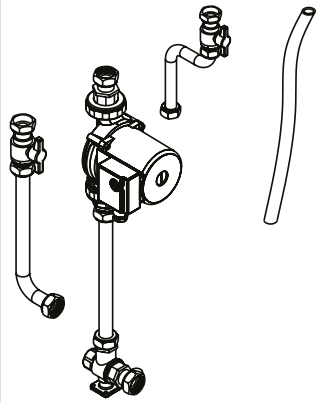
CODE	DESCRIPTION	DIAGRAM
29450361	500mm EXTENSION Ø250 - 350 (PP-INOX)	
29450362	1000mm EXTENSION Ø250 - 350 (PP-INOX)	
29450371	INSPECTION PIPE Ø250 - 350 (PP-INOX)	
29450363	45° BEND KIT Ø250 - 350 (PP-INOX)	
29450365	87° BEND KIT Ø250 - 350 (PP-INOX)	
29450367	1000mm PIPE FOR TERMINAL Ø250 - 350 (PP-INOX)	
29450368	TERMINAL Ø250 - 350 (PP-INOX)	
29450370	CHIMNEY SUPPORT KIT Ø250 - 350 PPtl, EPDM, MET	
29450360	WALL COVER Ø350 (INOX)	

Components & accessories

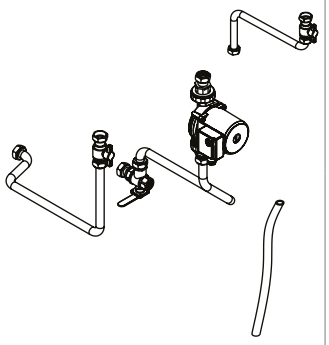
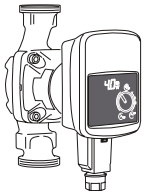
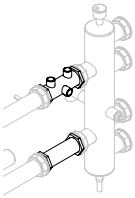
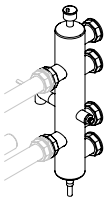
For tailor made installation solutions

In addition to the configurations shown in this guide, the complete line of components and accessories developed by Vokèra allow for tailor made CondexaPRO and CondexaPRO Box applications. By choosing Vokèra components, that harmonise perfectly with each other, the CondexaPRO system will ensure maximum comfort and savings that are provided only by a unique specialised supplier.

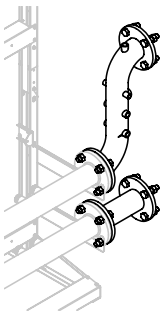
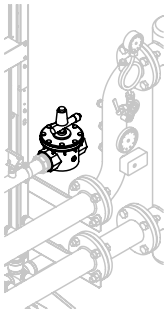
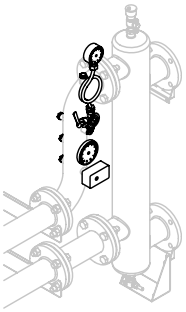
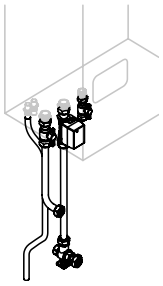
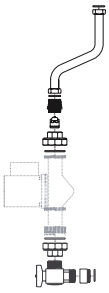
HYDRAULIC COMPONENTS - FOR CONDEXAPRO BOILERS

CODE	DESCRIPTION	DIAGRAM
20017226	HYDRAULIC MANIFOLD KIT 100kW FOR CONDEXAPRO WITH BLANK END FLANGE	
20009439	HYDRAULIC MANIFOLD KIT UP TO 460kW FOR CONDEXAPRO RIG	
20009444	BLANK END-FLANGE KIT FOR HYDRAULIC MANIFOLD (460kW)	
20009442	PUMP KIT (FRONT) FOR CONDEXAPRO RIG	
20075526	LOW ENERGY PUMP KIT (FRONT) FOR CONDEXAPRO RIG	

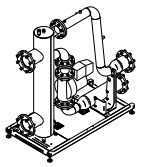
HYDRAULIC COMPONENTS - FOR CONDEXAPRO BOILERS

CODE	DESCRIPTION	DIAGRAM
20009443	PUMP KIT (REAR) FOR CONDEXAPRO RIG	
20075527	LOW ENERGY PUMP KIT (REAR) FOR CONDEXAPRO RIG	
20072821	LOW ENERGY PUMP KIT FOR SECONDARY CIRCUIT	
20017270	CONNECTION PIPES KIT 100kW	
20017271	HYDRAULIC HEADER / SEPARATOR 100kW	
20009466	HYDRAULIC HEADER / SEPARATOR 150kW - 230kW	
20009467	HYDRAULIC HEADER / SEPARATOR 250kW - 460kW	

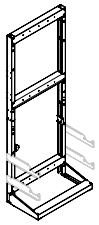
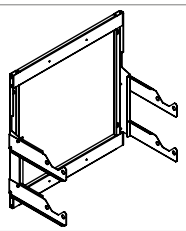
HYDRAULIC COMPONENTS - FOR CONDEXAPRO BOILERS

CODE	DESCRIPTION	DIAGRAM
20009471	HYDRAULIC MANI-FOLD 150kW - 400kW	
20009475	SAFETY KIT (400kW MAX) KIT CONTAINS: TEMPERATURE GAUGE, PRESSURE GAUGE, PRESSURE SWITCH AND CONNECTION PLUG WITH VALVE	
20009486	GAS SAFETY CUT OFF VALVE (100kW MAX)	
20009482	GAS SAFETY CUT OFF VALVE (200kW MAX)	
20009483	GAS SAFETY CUT OFF VALVE (580kW MAX)	
20041367	TWO WAYS VALVE KIT (FRONT MOUNTING ONLY)	
10029891	CONNECTIONS KIT FOR INJECTION PUMP - LINEAR INSTALLATIONS	

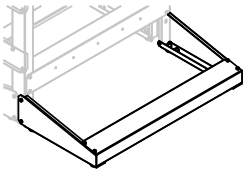
ACCESSORIES FOR SPECIAL CASCADE SYSTEMS - FOR CONDEXAPRO BOILERS

CODE	DESCRIPTION	DIAGRAM
20010996	HYDRAULIC HEADER/ SEPARATOR (LLH) UP TO 720KW FOR INDOOR INSTALLATION	
20021898	PRIMARY LOOP PUMP <270kW (WITH CONNECTIONS AND ELECTRONIC INJECTION PUMP TYPE VEGA RMDA 50-80)	
20021900	PRIMARY LOOP PUMP <450kW (WITH CONNECTIONS AND ELECTRONIC INJECTION PUMP TYPE VEGA RMDA 80-90)	

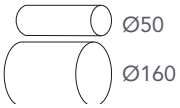
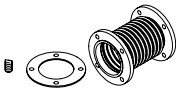
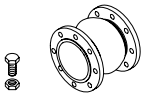
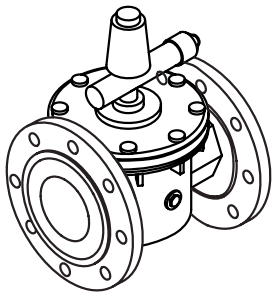
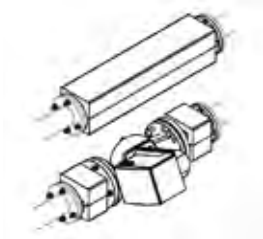
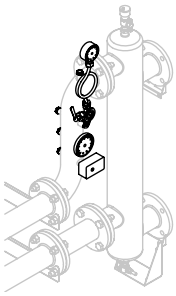
SUPPORTS FOR LINEAR WALL HUNG OR FREE STANDING MOUNTING - FOR CONDEXAPRO BOILERS

CODE	DESCRIPTION	DIAGRAM
20009472	CONDEXAPRO RIG (FRONT MOUNTING)	
20018456	SUPPORTS HYDRAULIC MANIFOLD KIT (WITHOUT RIG) 150kW	

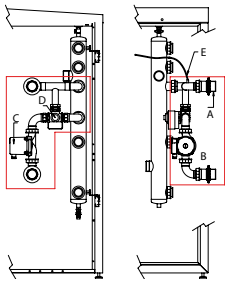
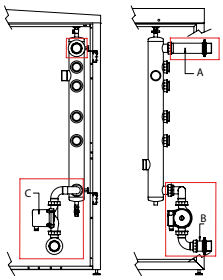
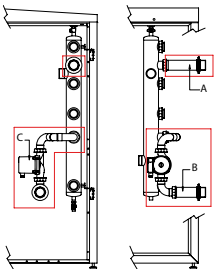
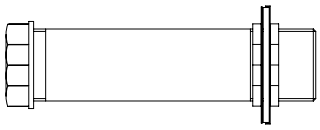
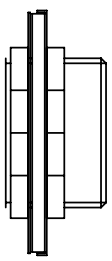
SUPPORT FOR BACK TO BACK MOUNTING - FOR CONDEXAPRO BOILERS

CODE	DESCRIPTION	DIAGRAM
20009474	REAR MOUNTING KIT FOR CONDEXAPRO FREE STANDING RIG	

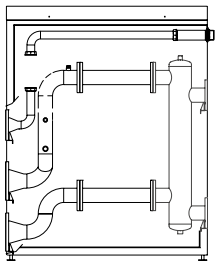
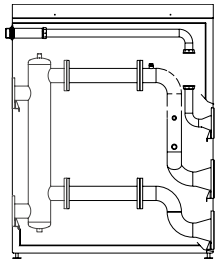
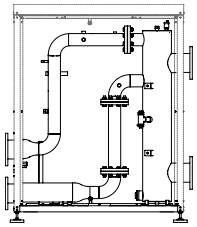
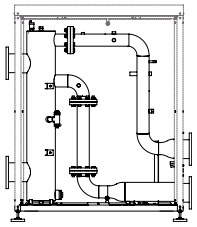
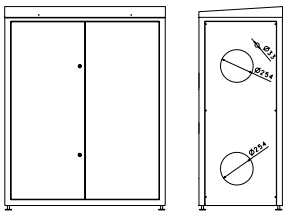
COMMON ACCESSORIES - FOR CONDEXAPRO BOX 500 (EXCLUDING AI MODELS)

CODE	DESCRIPTION	DIAGRAM
20074998	CONDEXAPRO JUNCTION KIT FOR CASCADE	
20011004	GAS ANTI-VIBRATION KIT (1 PCS)	
20011003	WATER ANTI-VIBRATION KIT (2 PCS)	
20011165	GAS SHUTTING VALVE (VIC) 1" 1/4" WITH FLANGE UP TO 300kW	
20011167	GAS SHUTTING VALVE (VIC) 1" 1/2" WITH FLANGE UP TO 540kW	
20011169	GAS SHUTTING VALVE (VIC) 2" WITH FLANGE UP TO 720kW	
20021898	PRIMARY LOOP PUMP <270kW (WITH CONNECTIONS AND ELECTRONIC INJECTION PUMP TYPE RMDA 50-80)	
20021900	PRIMARY LOOP PUMP <450kW (WITH CONNECTIONS AND ELECTRONIC INJECTION PUMP TYPE RMDA 80-90)	
20009475	SAFETY KIT (400kW MAX) KIT CONTAINS: TEMPERATURE GAUGE, PRESSURE GAUGE, PRESSURE SWITCH AND CONNECTION PLUG WITH VALVE	

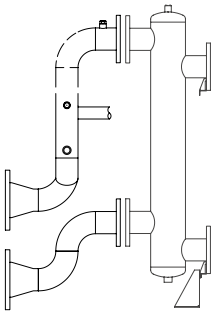
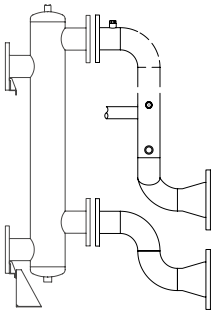
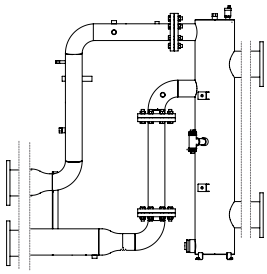
ACCESSORIES FOR CONDEXAPRO BOX 500 AI MODELS

CODE	DESCRIPTION	DIAGRAM
20069664	LOW TEMPERATURE KIT AI	
20069666	HIGH TEMPERATURE KIT AI	
20069667	TANK KIT AI	
20011175	SYSTEM CONNECTIONS KIT (2 PCS)	
20074999	PLUGS KIT (2 PCS)	

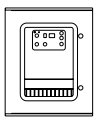
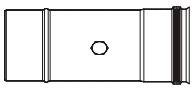
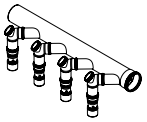
ACCESSORIES FOR CONDEXAPRO BOX EXT 500 FOR OUTDOOR INSTALLATIONS (EXCLUDING AI MODELS)

CODE	DESCRIPTION	DIAGRAM
20071951	HYDRAULIC SEPARATOR FOR CONDEXAPRO BOX EXT MAX 200kW WITH FITTING PIPES (RIGHT)	
20071949	HYDRAULIC SEPARATOR FOR CONDEXAPRO BOX EXT MAX 400kW WITH FITTING PIPES (RIGHT)	
20071942	HYDRAULIC SEPARATOR FOR CONDEXAPRO BOX EXT MAX 600kW WITH FITTING PIPES (RIGHT)	
20071950	HYDRAULIC SEPARATOR FOR CONDEXAPRO BOX EXT MAX 200kW WITH FITTING PIPES (LEFT)	
20071943	HYDRAULIC SEPARATOR FOR CONDEXAPRO BOX EXT MAX 400kW WITH FITTING PIPES (LEFT)	
20071940	HYDRAULIC SEPARATOR FOR CONDEXAPRO BOX EXT MAX 600kW WITH FITTING PIPES (LEFT)	
20010062	HYDRAULIC SEPARATOR FOR CONDEXAPRO BOX EXT MAX 720kW WITH FITTING PIPES (RIGHT)	
20010065	HYDRAULIC SEPARATOR FOR CONDEXAPRO BOX EXT MAX 720kW WITH FITTING PIPES (LEFT)	
20071791	STAINLESS STEEL BOX - EMPTY	

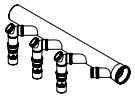
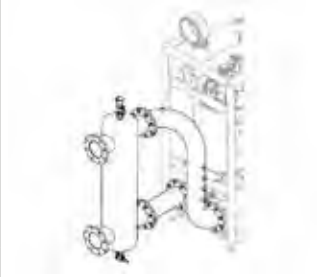
ACCESSORIES FOR CONDEXAPRO INT 500 FOR INDOOR INSTALLATIONS (EXCLUDING AI MODELS)

CODE	DESCRIPTION	DIAGRAM
20075000	HYDRAULIC SEPARATOR FOR CONDEXAPRO INT MAX 200kW WITH FITTING PIPES (RIGHT)	
20073125	HYDRAULIC SEPARATOR FOR CONDEXAPRO INT MAX 400kW WITH FITTING PIPES (RIGHT)	
20073304	HYDRAULIC SEPARATOR FOR CONDEXAPRO INT MAX 600kW WITH FITTING PIPES (RIGHT)	
20075001	HYDRAULIC SEPARATOR FOR CONDEXAPRO INT MAX 200kW WITH FITTING PIPES (LEFT)	
20073126	HYDRAULIC SEPARATOR FOR CONDEXAPRO INT MAX 400kW WITH FITTING PIPES (LEFT)	
20073305	HYDRAULIC SEPARATOR FOR CONDEXAPRO INT MAX 600kW WITH FITTING PIPES (LEFT)	
20010996	HYDRAULIC SEPARATOR FOR CONDEXAPRO INT MAX 720kW WITH FITTING PIPES (RIGHT)	

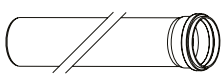
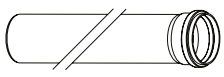
ACCESSORIES FOR CONDEXAPRO BOX INT 1000 FOR INTERNAL INSTALLATIONS

CODE	DESCRIPTION	DIAGRAM
20067837	MASTER BOARD (INC. BLIND FLANGES)	
20076316	EXTENSION KIT Ø110 WITH INSPECTION	
20069767	FLUES COLLECTOR 4 X 110 - 1 X 200	

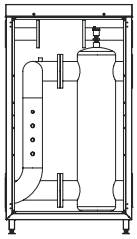
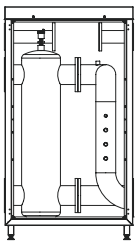
ACCESSORIES FOR CONDEXAPRO BOX INT 1000 FOR INTERNAL INSTALLATIONS

CODE	DESCRIPTION	DIAGRAM
20069769	FLUES COLLECTOR 3 X 110 - 1 X 200	
20069771	FLUES COLLECTOR 1 X 110 - 1 X 200 (FOR 2 ENGINES BOX PURCHASE 2)	
29450275	CONDENSATE DRAIN KIT ∅200 WITH END CAP	
20069073	HYDRAULIC SEPARATOR INT 100 ÷ 640kW	
20069075	HYDRAULIC MANIFOLD CONNECTION TO LOW HEADER AND SAFETY DEVICES - RIGHT	
20069074	HYDRAULIC SEPARATOR INT MAX 1024kW (SUITABLE UP TO 10 ENGINES)	
20069075	HYDRAULIC MANIFOLD CONNECTION TO LOW HEADER AND SAFETY DEVICES - RIGHT	
20069073	HYDRAULIC SEPARATOR INT 100 ÷ 640kW	
20069072	HYDRAULIC MANIFOLD CONNECTION TO LOW HEADER AND SAFETY DEVICES - LEFT	
20069074	HYDRAULIC SEPARATOR INT MAX 1024kW (SUITABLE UP TO 10 ENGINES)	
20069072	HYDRAULIC MANIFOLD CONNECTION TO LOW HEADER AND SAFETY DEVICES - LEFT	

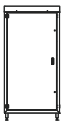
ACCESSORIES FOR CONDEXAPRO BOX EXT 1000 FOR EXTERNAL INSTALLATIONS

CODE	DESCRIPTION	DIAGRAM
20060817	TERMINAL CHIMNEY INOX	
20060819	KIT EXTENSION INOX 500MM DN 110mm	
20060820	KIT EXTENSION INOX 1000mm DN 110mm	
20060821	90O BEND INOX DN 110mm	

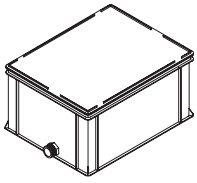
ACCESSORIES FOR CONDEXAPRO BOX EXT 1000 FOR EXTERNAL INSTALLATIONS

CODE	DESCRIPTION	DIAGRAM
20060827	HYDRAULIC SEPARATOR IN BOX UP TO 640kW - RIGHT	
20060829	HYDRAULIC SEPARATOR IN BOX UP TO 1150kW - RIGHT	
20060828	HYDRAULIC SEPARATOR IN BOX UP TO 640kW - LEFT	
20060830	HYDRAULIC SEPARATOR IN BOX UP TO 1150kW - LEFT	

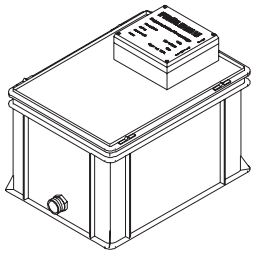
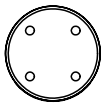
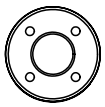
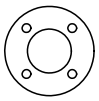
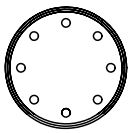
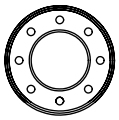
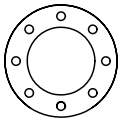
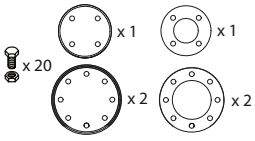
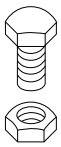
COMMON ACCESSORIES FOR CONDEXAPRO BOX 1000 INT AND EXT MODELS

CODE	DESCRIPTION	DIAGRAM
20061644	SAFETY KIT (CONTAINS: TEMPERATURE GAUGE, PRESSURE GAUGE, PRESSURE SWITCH AND CONNECTION PLUG WITH VALVE	
20061638	VALVE KIT UP TO 580kW	
20061640	VALVE KIT UP TO 1150kW	
20067019	EMPTY BOX L=900mm (ONE DOOR)	
20067020	EMPTY BOX L=1700mm (TWO DOOR)	

COMMON ACCESSORIES FOR CONDEXAPRO BOX 1000 INT AND EXT MODELS

CODE	DESCRIPTION	DIAGRAM
20011126	CONDENSATE NEUTRALISER N2 - UP TO 320kW	
20011132	CONDENSATE NEUTRALISER N2 - UP TO 1250kW	

COMPLIMENTARY ITEMS

CODE	DESCRIPTION	DIAGRAM
20011135	CONDENSATE NEUTRALISER HN2 (WITH PUMP) - UP TO 320kW	
20011162	CONDENSATE NEUTRALISER HN3 (WITH PUMP) - UP TO 1250kW	
1102579	BLIND FLANGE 3" UNI 60/91 PN6 DN80	
1102589	FLANGE 3" UNI 2276-67 PN6 DN80	
20063062	HYDRAULIC GASKET 3" DN80	
20063060	BLIND FLANGE 5" UNI 60/91 PN6 DN125	
20063061	FLANGE 5" UNI 2276-67 PN6 DN125	
20063063	HYDRAULIC GASKET 5" DN125	
20075887	BLIND FLANGES KIT FOR 500 SERIES	
20063064	BOLT AND NUT	

COMPLIMENTARY ITEMS - COMMON TO ALL CONFIGURATIONS

CODE	DESCRIPTION	DIAGRAM
1102379	CONDEXAPRO REMOTE CONTROL KIT	
20046946*	INTERFACE KIT FOR PC	
1102869	LOW TEMPERATURE KIT	
20016110	ZONE MASTER KIT	
20073129	MOD-BUS INTERFACE (CABLES INCLUDED)	
1103059	PROBE KIT FOR DHW TANK	

COMING SOON

ONE PRODUCT, MANY SOLUTIONS

STAND ALONE UNIT

THE POSSIBILTY OF STAND-ALONE APPLICATIONS, WHERE THE FRAME CAN SUPPORT THE UNIT WHEN A WALL HUNG INSTALLATION IS NOT POSSIBLE OR WHEN THE SOLUTION WITH A PLATE HEAT EXCHANGER IS CHOSEN.

LINEAR CASCADE CONFIGURATION

CONDEXA PRO UNIT IS DESIGNED TO WORK IN HIGH POWER CASCADE SYSTEMS.
THE INTEGRATED AUTOMATIC MASTER/SLAVE LOGIC ENABLES THE INTERCHANGEABILITY OF THE UNITS AND ENSURES THE CONTINUOUS OPERATION OF THE SYSTEM.

BACK-TO-BACK CASCADE CONFIGURATION

THE BACK-TO-BACK CONFIGURATION OPTIMISES THE USE OF SPACE IN THE PLANT ROOM AND ACHIEVES HIGH POWER SOLUTIONS WITH REDUCED IMPACT ON FOOTPRINT. WITH CASCADE INSTALLATIONS THE INTERFACE BETWEEN PRIMARY AND SECONDARY CIRCUITS CAN BE ACHIEVED BOTH VIA A HYDRAULIC SEPARATOR OR A PLATE HEAT EXCHANGER.

CONDEXA PRO IS THE SOLUTION, ALWAYS

CONDEXA PRO IS DEFINED BY HIGH FLEXIBILITY OF INSTALLATION. THE FULL RANGE, BESIDES STAND ALONE APPLICATIONS, CAN BE COMBINED IN LINEAR AND BACK-TO-BACK CASCADE CONFIGURATIONS, ALLOWING MANY COMBINATIONS FOR MULTIPLE APPLICATIONS.

HEAT INTERFACE UNIT RANGE

The heat interface unit range, the HIU Pro, is an integral part of our full-plant offering. Our range covers both Indirect HIUs which separates a dwelling, for example, from a primary central plant circuit, as well as, Direct HIUs that utilise the water from the system.

Built-in

Wall hung

HIU Pro i20P & i30P

Indirect range

- Two plate heat exchangers; one separating the system, the second for DHW production
- DHW controlled by thermostatic and 2-way proportional valves which ensure instantaneous DHW at the right temperature avoiding waste and delay
- Easy installation, ready to be connected
- Suitable for apartments, houses and centralised heating systems

Radiator System | DHW | Underfloor Heating | Separating System

Built-in

Wall hung

HIU Pro d20P & d30P

Direct range

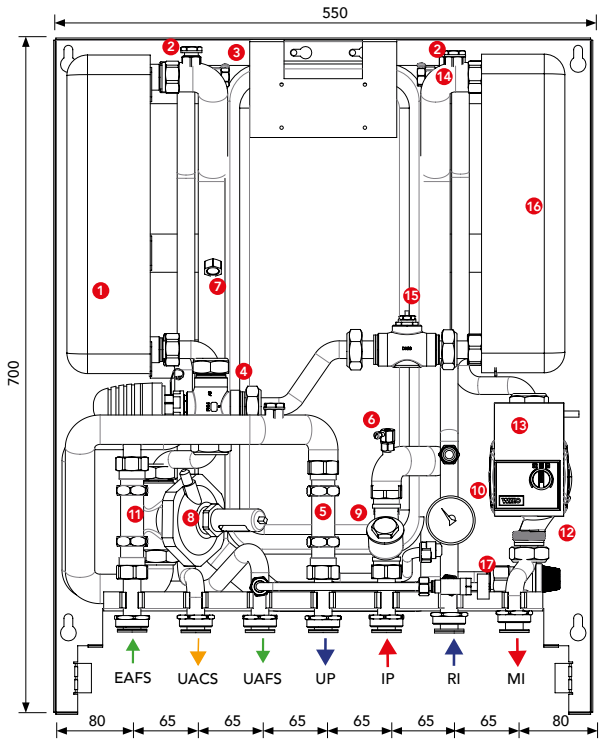
- One plate heat exchanger for instantaneous DHW production
- High heat exchanger performance
- Minimal risk of limescale
- Easy installation, ready to be connected
- Suitable for apartments, houses and centralised heating systems

Radiator System | DHW

Accessories for full heating and cold water energy metering; both MBUS and Ultrasonic (additional, see accessories on page 62). Energy Data Loggers and Energy Data Software available.

Dimensions

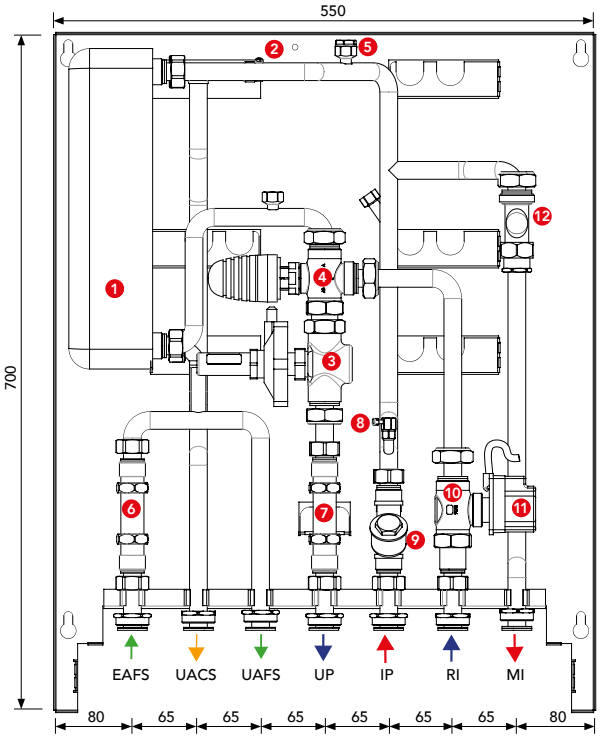
HIU Pro i20P & i30P



1. Brazed plate iron steel heat exchanger (DHW circuit)
2. Manual air vent valve
3. Sensor pocket for thermostatic valve primary circuit (DHW side)
4. Thermostatic valve primary circuit (DHW side)
5. Fitting piece for heat meter ¾"M-110 mm
6. Sensor pocket for heat meter
7. Sensor pocket for differential valve
8. Differential valve (heating circuit pressure stabilyzer)
9. Filter
10. Manometer
11. Fitting piece for cold water meter ¾"M-110 mm
12. Safety valve heating circuit (3 bar)
13. High efficiency pump type Wilo YONOS PARA 15/6
14. Psensor pocket for thermostatic valve primary side (heating side)
15. 2-way valve primary side (heating side)
16. Brazed plate iron steel heat exchanger (heating circuit)
17. Loading tap

UP	Primary circuit return
IP	Primary circuit supply
UACS	Domestic hot water
UAFS	Domestic cold water return
EAFS	Domestic cold water supply
MI	Heating supply
RI	Heating return
UAFS	Domestic cold water return

HIU Pro d20P & d30P



1. Brazed plate iron steel heat exchanger
2. Sensor pocket for thermostatic valve (DHW exit)
3. Differential valve 5÷30 KPa
4. 3-way proportional thermostatic valve
5. Manual air vent valve
6. Fitting piece for cold water meter ¾"M-110 mm
7. Fitting piece for heat meter ¾"M-110 mm (heat meter available in the following versions: single-jet with M-Bus, radio and ultrasonic)
8. Sensor pocket for heat meter
9. Filter
10. 2-way ON/OFF valve
11. Electric actuator 230V or 24V (supplied separately)
12. Lockshield valves

UP	Primary circuit return
IP	Primary circuit supply
UACS	Domestic hot water
UAFS	Domestic cold water return
EAFS	Domestic cold water supply
MI	Heating supply
RI	Heating return
UAFS	Domestic cold water return

Technical data

HIU Pro i20P & i30P

TECHNICAL DATA	HIU PRO i20P & i30P
MAX TEMPERATURE	85°C
PRIMARY CIRCUIT MAX. FLOW RATE	1400 L/H
NECESSARY PRIMARY HEAD	6M H^2O
MAX. PRESSURE	10 BAR
DIFFERENTIAL VALVE	5 - 30 KPA
PRIMARY HYDRAULIC CONNECTION	M-F 1" - 3/4"
HEATING HYDRAULIC CONNECTION	M-F 1" - 3/4"
CONNECTIONS DCW	M-F 1" - 3/4"

TECHNICAL DATA	HIU PRO i20P & i30P
DIMENSIONS BUILT-IN VERSION	570 X 800 X 160 mm
DIMENSIONS WALL HUNG VERSION	550 X 700 X 165 mm
WEIGHT (INCLUDING CONNECTION JIG)	25KG
MODULE SUPPLY	230V AC
HEAT METER (OPTIONAL)	1.5 MC/H
TYPE OF FLUID	H^2O
MAIN COMPONENT MATERIAL	MS58, CU

Heating technical data

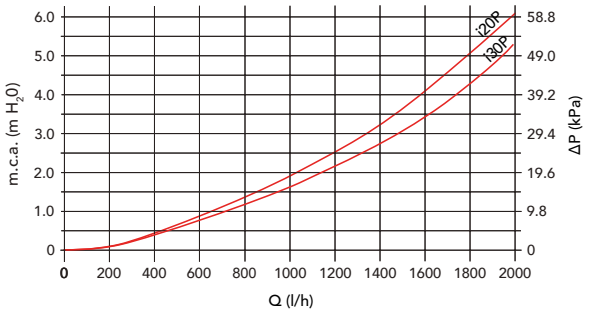
	PRIMARY CIRCUIT FLOW RATE	PRIMARY CIRCUIT SUPPLY TEMP	PRIMARY CIRCUIT RETURN TEMP	HEATING FLOW	HEATING CIRCUIT SUPPLY TEMP	HEATING CIRCUIT RETURN TEMP	HEATING CAPACITY	HEAT CIRCULATION PUMP
	M3/H	°C	°C	M3/H	°C	°C	kW	M.C.A.
20 PLATES 0.455 M2	1.4	85	63.5	1.2	75	55	28	4.8
	0.63	85	55.5	1.4	65	55	14	4
	0.168	85	33	1.6	38	33	7	3.4
30 PLATES 0.708 M2	1.4	85	62	1.55	75	55	35	4
	0.63	85	55	1.8	65	55	20	3
	0.168	85	33	1.7	38	33	10	3.3

Technical data domestic water (HIU Pro i20P) - 0.455 m^2

		ΔT 35°C (10/45°C)		ΔT 40°C (10/50°C)		ΔT 45°C (10/55°C)	
PRIMARY CIRCUIT FLOW RATE	PRIMARY CIRCUIT SUPPLY TEMP	HEAT EXCHANGER MAX. CAPACITY	FLOWRATE	HEAT EXCHANGER MAX. CAPACITY	FLOWRATE	HEAT EXCHANGER MAX. CAPACITY	FLOWRATE
M3/H	°C	kW	L/MIN	kW	L/MIN	kW	L/MIN
0.8	55	23.02	9.50	17.57	6.30	-	-
1	55	27.12	11.20	20.39	7.30	-	-
1.2	55	30.90	12.70	22.93	8.20	-	-
1.4	55	34.36	14.14	25.26	9.10	-	-
0.8	60	29.10	12.00	24.85	9.00	19.10	6.10
1	60	34.47	14.20	29.25	10.55	22.20	7.10
1.2	60	39.53	16.30	33.26	12.00	24.90	8.00
1.4	60	44.23	18.21	36.99	13.33	27.40	8.80
0.8	65	38.00	15.60	31.07	11.20	26.70	8.60
1	65	45.30	18.60	36.85	13.29	31.40	10.10
1.2	65	51.26	22.00	42.20	15.20	35.70	11.50
1.4	65	57.67	22.00	47.20	17.00	36.90	12.70
0.8	70	39.88	16.42	36.80	13.27	33.13	10.63
1	70	47.82	19.69	43.88	15.82	39.24	12.60
1.2	70	55.28	22.00	50.49	18.20	44.89	14.40
1.4	70	66.50	27.20	62.34	20.44	50.16	16.09
0.8	75	47.80	19.50	42.20	15.22	39.40	12.65
1	75	57.44	23.50	50.56	18.23	46.70	15.00
1.2	75	66.30	27.20	59.50	21.30	53.40	17.10
1.4	75	75.30	30.00	67.20	23.80	59.91	19.22
0.8	80	51.90	20.90	47.43	17.10	44.56	14.29
1	80	62.10	25.40	57.00	20.55	53.29	17.09
1.2	80	71.50	28.50	67.80	24.10	61.47	19.72
1.4	80	80.50	30.00	76.20	27.40	69.19	22.10
0.8	85	56.20	23.10	52.49	18.93	49.86	15.09
1	85	68.20	27.80	63.80	22.90	59.85	19.20
1.2	85	79.10	30.00	73.70	26.50	69.24	22.20
1.4	85	90.20	30.00	83.20	30.00	78.12	25.00

Technical data domestic water (HIU Pro i30P) - 0.708 m²

		ΔT 35°C (10/45°C)		ΔT 40°C (10/50°C)		ΔT 45°C (10/55°C)	
PRIMARY CIRCUIT FLOW RATE	PRIMARY CIRCUIT SUPPLY TEMP	HEAT EXCHANGER MAX. CAPACITY	FLOWRATE	HEAT EXCHANGER MAX. CAPACITY	FLOWRATE	HEAT EXCHANGER MAX. CAPACITY	FLOWRATE
M3/H	°C	kW	L/MIN	kW	L/MIN	kW	L/MIN
0.8	55	26.1	10.7	20.2	7.4	-	-
1	55	31.1	12.7	24.2	8.7	-	-
1.2	55	35.7	14.6	27.5	9.9	-	-
1.4	55	40.3	16.5	30.5	11.0	-	-
0.8	60	32.2	13.2	28.2	10.2	22.3	7.1
1	60	38.8	15.9	33.5	12.1	26.4	8.4
1.2	60	44.9	18.4	38.5	13.6	30.1	9.6
1.4	60	50.4	20.7	43.2	15.6	33.6	10.7
0.8	65	39.1	16.0	34.6	12.5	30.5	9.7
1	65	46.4	19.0	41.5	14.9	36.5	11.6
1.2	65	53.5	21.9	47.9	17.3	41.5	13.2
1.4	65	60.0	24.8	54.0	19.5	46.4	14.9
0.8	70	43.3	17.8	40.5	14.6	37.0	11.9
1	70	52.4	21.6	48.7	17.6	44.3	14.2
1.2	70	61.0	25.1	56.5	20.4	51.1	16.4
1.4	70	69.3	28.5	64.0	23.1	57.6	18.5
0.8	75	48.8	20.0	46.0	16.6	43.3	13.8
1	75	58.6	24.0	55.6	20.0	52.1	16.6
1.2	75	68.4	28.0	64.7	23.3	60.3	19.2
1.4	75	78.0	32.2	73.4	26.5	67.8	21.8
0.8	80	53.5	22.0	51.3	12.5	48.6	15.6
1	80	65.1	26.8	62.1	22.4	58.7	18.8
1.2	80	76.2	31.4	72.5	26.1	68.3	21.9
1.4	80	86.8	35.8	82.5	29.7	77.4	24.8
0.8	85	58.4	24.0	56.4	20.3	54.0	17.3
1	85	71.2	29.3	68.4	24.7	65.4	21.0
1.2	85	83.5	34.4	80.1	28.9	76.3	24.5
1.4	85	95.3	40.0	91.3	32.9	86.7	27.8



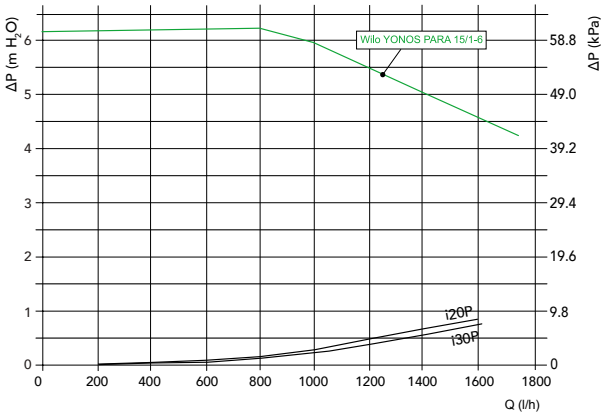
Max working pressure DHW circuit: 6 bar

Max pressure domestic water: 0.2 bar

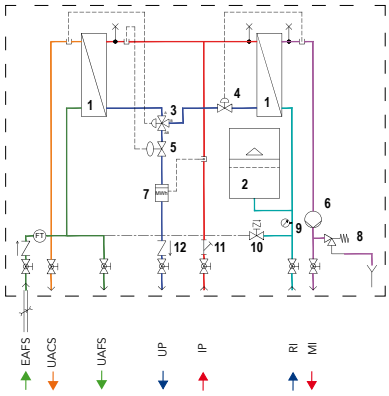
Heat exchanger material: stainless steel AISI 316 - 20/30 plates

If the hardness of the water exceeds 25° fH, it should be treated at the inlet to the central heating system, so as to prevent fouling caused by hard water or corrosion due to aggressive water. Remember that even small deposits measuring just a few millimetres in thickness will cause, due to their low thermal conductivity, a reduction in performance on the DHW side.

Pressure loss heating circuit



Hydraulic circuit: HIU Pro i20P & i30P



UP	Primary circuit return
IP	Primary circuit supply
UACS	Domestic hot water
UAFS	Domestic cold water return
EAFS	Domestic cold water supply
MI	Heating supply
RI	Heating return
UAFS	Domestic cold water return

Technical data

HIU Pro d20P & d30P

TECHNICAL DATA	HIU PRO d20P & d30P
MAX TEMPERATURE	85°C
PRIMARY CIRCUIT MAX. FLOW RATE	1400 L/H
NECESSARY PRIMARY HEAD	6M H^2O
MAX. PRESSURE	10 BAR
DIFFERENTIAL VALVE	5 - 30 KPA
PRIMARY HYDRAULIC CONNECTION	M-F 1" - 3/4"
HEATING HYDRAULIC CONNECTION	M-F 1" - 3/4"
CONNECTIONS DCW	M-F 1" - 3/4"

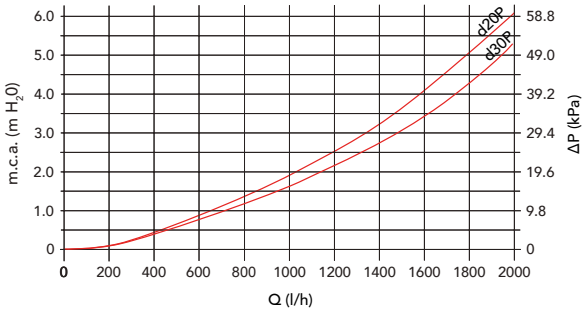
TECHNICAL DATA	HIU PRO d20P & d30P
DIMENSIONS BUILT-IN VERSION (LXHXD)	570 X 800 X 160 MM
DIMENSIONS WALL HUNG VERSION (LXHXD)	550 X 700 X 165 MM
WEIGHT (INCLUDING CONNECTION JIG)	23KG
MODULE SUPPLY	230V AC
HEAT METER (OPTIONAL)	1.5 MC/H
TYPE OF FLUID	H^2O
MAIN COMPONENT MATERIAL	MS58, CU

Technical data domestic water (HIU Pro d20P) - 0.455 m^2

		ΔT 35°C (10/45°C)		ΔT 40°C (10/50°C)		ΔT 45°C (10/55°C)	
PRIMARY CIRCUIT FLOW RATE	PRIMARY CIRCUIT SUPPLY TEMP	HEAT EXCHANGER MAX. CAPACITY	FLOWRATE	HEAT EXCHANGER MAX. CAPACITY	FLOWRATE	HEAT EXCHANGER MAX. CAPACITY	FLOWRATE
M3/H	°C	kW	L/MIN	kW	L/MIN	kW	L/MIN
0.8	55	23.02	9.50	17.57	6.30	-	-
1	55	27.12	11.20	20.39	7.30	-	-
1.2	55	30.90	12.70	22.93	8.20	-	-
1.4	55	34.36	14.14	25.26	9.10	-	-
0.8	60	29.10	12.00	24.85	9.00	19.10	6.10
1	60	34.47	14.20	29.25	10.55	22.20	7.10
1.2	60	39.53	16.30	33.26	12.00	24.90	8.00
1.4	60	44.23	18.21	36.99	13.33	27.40	8.80
0.8	65	38.00	15.60	31.07	11.20	26.70	8.60
1	65	45.30	18.60	36.85	13.29	31.40	10.10
1.2	65	51.26	22.00	42.20	15.20	35.70	11.50
1.4	65	57.67	22.00	47.20	17.00	36.90	12.70
0.8	70	39.88	16.42	36.80	13.27	33.13	10.63
1	70	47.82	19.69	43.88	15.82	39.24	12.60
1.2	70	55.28	22.00	50.49	18.20	44.89	14.40
1.4	70	66.50	27.20	62.34	20.44	50.16	16.09
0.8	75	47.80	19.50	42.20	15.22	39.40	12.65
1	75	57.44	23.50	50.56	18.23	46.70	15.00
1.2	75	66.30	27.20	59.50	21.30	53.40	17.10
1.4	75	75.30	30.00	67.20	23.80	59.91	19.22
0.8	80	51.90	20.90	47.43	17.10	44.56	14.29
1	80	62.10	25.40	57.00	20.55	53.29	17.09
1.2	80	71.50	28.50	67.80	24.10	61.47	19.72
1.4	80	80.50	30.00	76.20	27.40	69.19	22.10
0.8	85	56.20	23.10	52.49	18.93	49.86	15.09
1	85	68.20	27.80	63.80	22.90	59.85	19.20
1.2	85	79.10	30.00	73.70	26.50	69.24	22.20
1.4	85	90.20	30.00	83.20	30.00	78.12	25.00

Technical data domestic water (HIU Pro d30P) - 0.708 m²

		ΔT 35°C (10/45°C)		ΔT 40°C (10/50°C)		ΔT 45°C (10/55°C)	
PRIMARY CIRCUIT FLOW RATE	PRIMARY CIRCUIT SUPPLY TEMP	HEAT EXCHANGER MAX. CAPACITY	FLOWRATE	HEAT EXCHANGER MAX. CAPACITY	FLOWRATE	HEAT EXCHANGER MAX. CAPACITY	FLOWRATE
M3/H	°C	kW	L/MIN	kW	L/MIN	kW	L/MIN
0.8	55	26.1	10.7	20.2	7.4	-	-
1	55	31.1	12.7	24.2	8.7	-	-
1.2	55	35.7	14.6	27.5	9.9	-	-
1.4	55	40.3	16.5	30.5	11.0	-	-
0.8	60	32.2	13.2	28.2	10.2	22.3	7.1
1	60	38.8	15.9	33.5	12.1	26.4	8.4
1.2	60	44.9	18.4	38.5	13.6	30.1	9.6
1.4	60	50.4	20.7	43.5	15.6	33.6	10.7
0.8	65	39.1	16.0	34.6	12.5	30.5	9.7
1	65	46.4	19.0	41.5	14.9	36.5	11.6
1.2	65	53.5	21.9	47.9	17.3	41.5	13.2
1.4	65	60.0	24.8	54.0	19.5	46.4	14.9
0.8	70	43.3	17.8	40.5	14.6	37.0	11.9
1	70	52.4	21.6	48.7	17.6	44.3	14.2
1.2	70	61.0	25.1	56.5	20.4	51.1	16.4
1.4	70	69.3	28.5	64.0	23.1	57.6	18.5
0.8	75	48.8	20.0	46.0	16.6	43.3	13.8
1	75	58.6	24.0	55.6	20.0	52.1	16.6
1.2	75	68.4	28.0	64.7	23.3	60.3	19.2
1.4	75	78.0	32.2	73.4	26.5	67.8	21.8
0.8	80	53.5	22.0	51.3	12.5	48.6	15.6
1	80	65.1	26.8	62.1	22.4	58.7	18.8
1.2	80	76.2	31.4	72.5	26.1	68.3	21.9
1.4	80	86.8	35.8	82.5	29.7	77.4	24.8
0.8	85	58.4	24.0	56.4	20.3	54.0	17.3
1	85	71.2	29.3	68.4	24.7	65.4	21.0
1.2	85	83.5	34.4	80.1	28.9	76.3	24.5
1.4	85	95.3	40.0	91.3	32.9	86.7	27.8



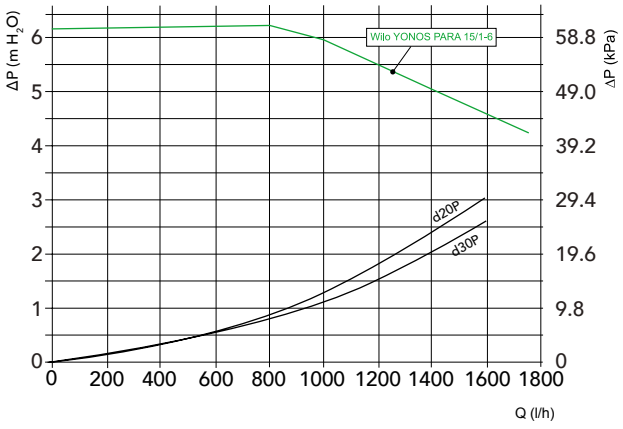
Max working pressure DHW circuit: 6 bar

Max pressure domestic water: 0.2 bar

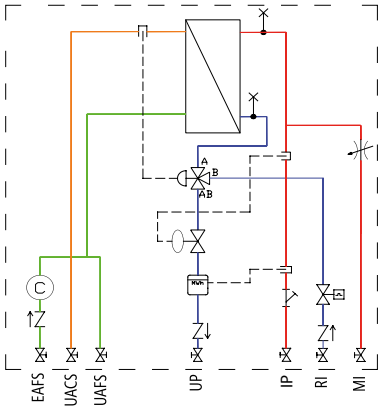
Heat exchanger material: stainless steel AISI 316 - 20/30 plates

If the hardness of the water exceeds 25° fH, it should be treated at the inlet to the central heating system, so as to prevent fouling caused by hard water or corrosion due to aggressive water. Remember that even small deposits measuring just a few millimetres in thickness will cause, due to their low thermal conductivity, a reduction in performance on the DHW side.

Pressure loss heating circuit



Hydraulic circuit: HIU Pro d20P & d30P

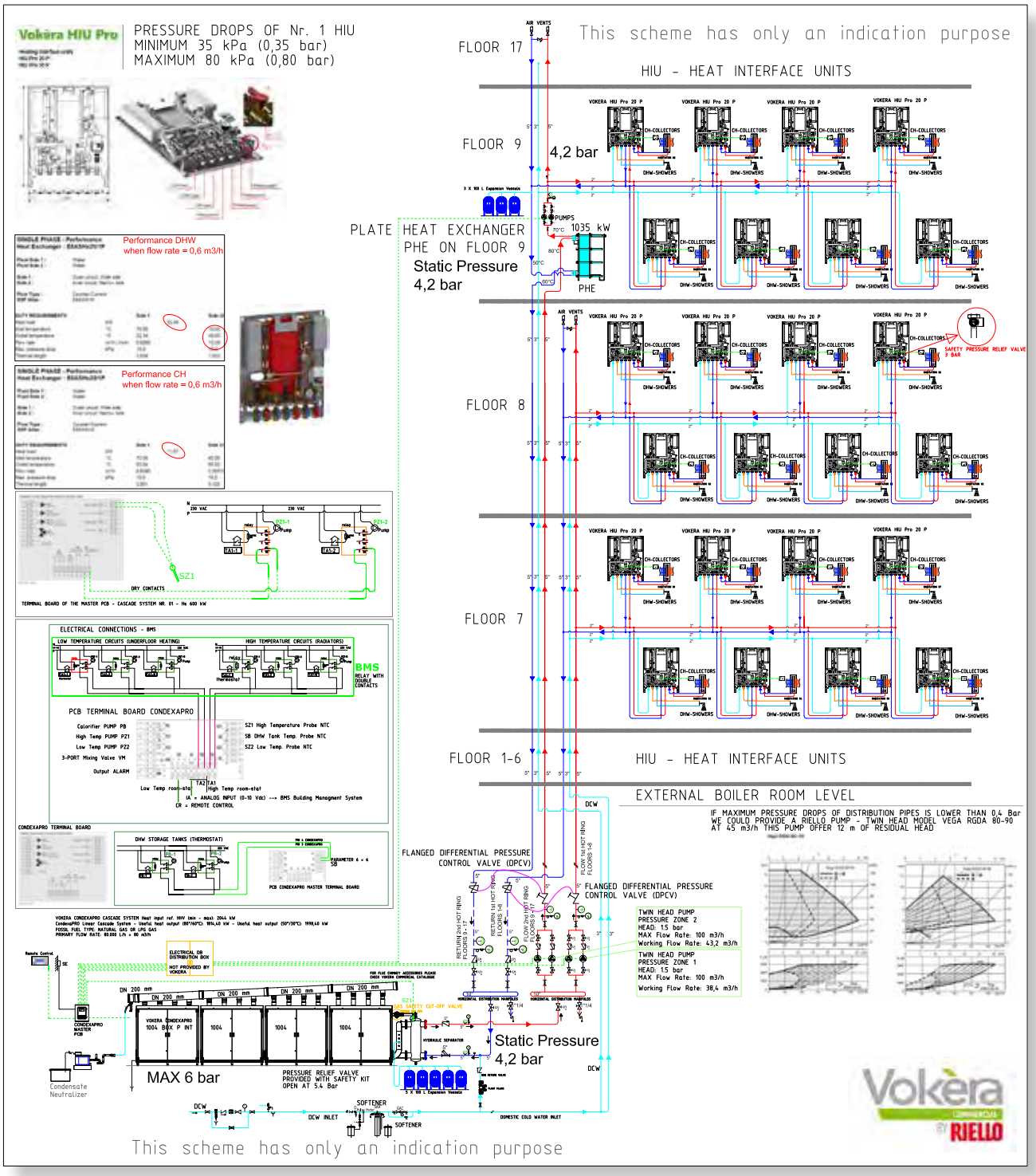


UP	Primary circuit return
IP	Primary circuit supply
UACS	Domestic hot water
UAFS	Domestic cold water return
EAFS	Domestic cold water supply
MI	Heating supply
RI	Heating return
UAFS	Domestic cold water return

HIU Pro accessories & components

HIU PRO COMPONENTS & ACCESSORIES		
	HIU PRO BOX AND COVER	BOTH INDIRECT & DIRECT MODELS
	HIU PRO BOX	IN-WALL WITH COVER DOOR RAL 9010 (570 X 800 X 160 mm)
	HIU PRO COVER	WALL MOUNTED COVER RAL 9010 (550 X 700 X 165 mm)
	COVER BRACKETS	STAND OFF BRACKETS FOR COVER ONLY
	INSTALLATION PARTS	BOTH INDIRECT & DIRECT MODELS
	CONNECTION JIG	CONNECTION VALVES AND GASKETS ASSEMBLY
	KIT H50 INSULATED PIPING KIT	FOR CONNECTION OF THE PRIMARY CIRCUIT PIPE UPWARD (ONLY WITH COVER BRACKETS)
	INSTALLATION PARTS	FOR i20P & i30P
	FILLING KIT	SYSTEM LOADING KIT
	THERMOSTATIC KIT	FOR i20P & i30P
	KIT 20-50°C	THERMOSTATIC ACTUATOR & SAFETY THERMOSTAT
	KIT 40-70°C	THERMOSTATIC ACTUATOR & SAFETY THERMOSTAT
	KIT CLIMA	FOR i20P & i30P
	KIT CLIMA	ELECTRICAL SERVOMOTOR, DIGITAL REGULATOR LAGO BASIC 1001,
		DIGITAL REMOTE CONTROLLER LAGO FB, SAFETY THERMOSTAT 50°C
	EYRON ENERGY METER	BOTH INDIRECT AND DIRECT MODELS
	EYRON ULTRA CFMUS	MBUS ULTRASONIC ENERGY METER
	EYRON ULTRA CFRUS	RADIO ULTRASONIC ENERGY METER
	WATER METER C-VOL AFS 3/4"M	SINGLE-JET METER WITH DRY DIAL FOR COLD DOMESTIC WATER WITH PULSE OUTPUT
	ELECTRIC ACTUATOR	BOTH INDIRECT AND DIRECT MODELS
	230V	NC/FC 2 WIRES + AUX - 170N
	230V	NC/FC 4 WIRES + AUX - 170N
	24V	NC/FC 4 WIRES + AUX - 170N
	DATA	BOTH INDIRECT AND DIRECT MODELS
	CDB32	DATA LOGGER CENTRALISED READING MBUS USB
	CDB60	DATA LOGGER CENTRALISED READING MBUS USB
	CBD120	DATA LOGGER CENTRALISED READING MBUS USB
	CBD250	DATA LOGGER CENTRALISED READING MBUS USB
	DATA ENERGY	SOFTWARE FOR READING DATA LOGGERS
	CDM60	DATA LOGGER REMOTE CENTRALISED READING (MODEM GPRS MBUS SIM CARD)
	CDM120	DATA LOGGER REMOTE CENTRALISED READING (MODEM GPRS MBUS SIM CARD)
	CDM250	DATA LOGGER REMOTE CENTRALISED READING (MODEM GPRS MBUS SIM CARD)

Example design incorporating HIU



Pre Sales & training

From concept to completion and beyond

Vokèra by Riello are leading the way in commercial and renewable heating installations with a variety of successful projects, including leisure complexes, swimming pools, hotels, offices, schools, medical institutions, care homes, churches and in conjunction with district heating schemes (incl. heat interface units).

Sizing and supplying full package solutions regardless of system power

Regardless of the size of your project our Pre Sales support team will provide you with the advice and guidance you need to ensure the most reliable and efficient product solution is specified. Support will differ from project to project depending on the level of support required from our Pre Sales support team. We are versatile in our approach and will adapt to the requirements of each project whether the client or project designer/engineer requires basic advice or full assistance in designing the system – we are here to help.

The Pre Sales support team are available to attend on site surveys, evaluations and assistance/ support, as well as offer installer training, with our Technical Service team offering our manufacturer's commissioning to ensure our products are operating as they should.

System design service

Dependent on your requirements we provide a bespoke specification report for projects that utilise our Pre Sales support team. The use of advanced software, such as TSOL and RETscreen, enables us to provide realistic projections on the potential system efficiency, ensuring the most reliable and efficient system is specified. The report also includes a CAD design (BIM models are available – please contact us for details), system efficiency analysis and a compete bill of materials.

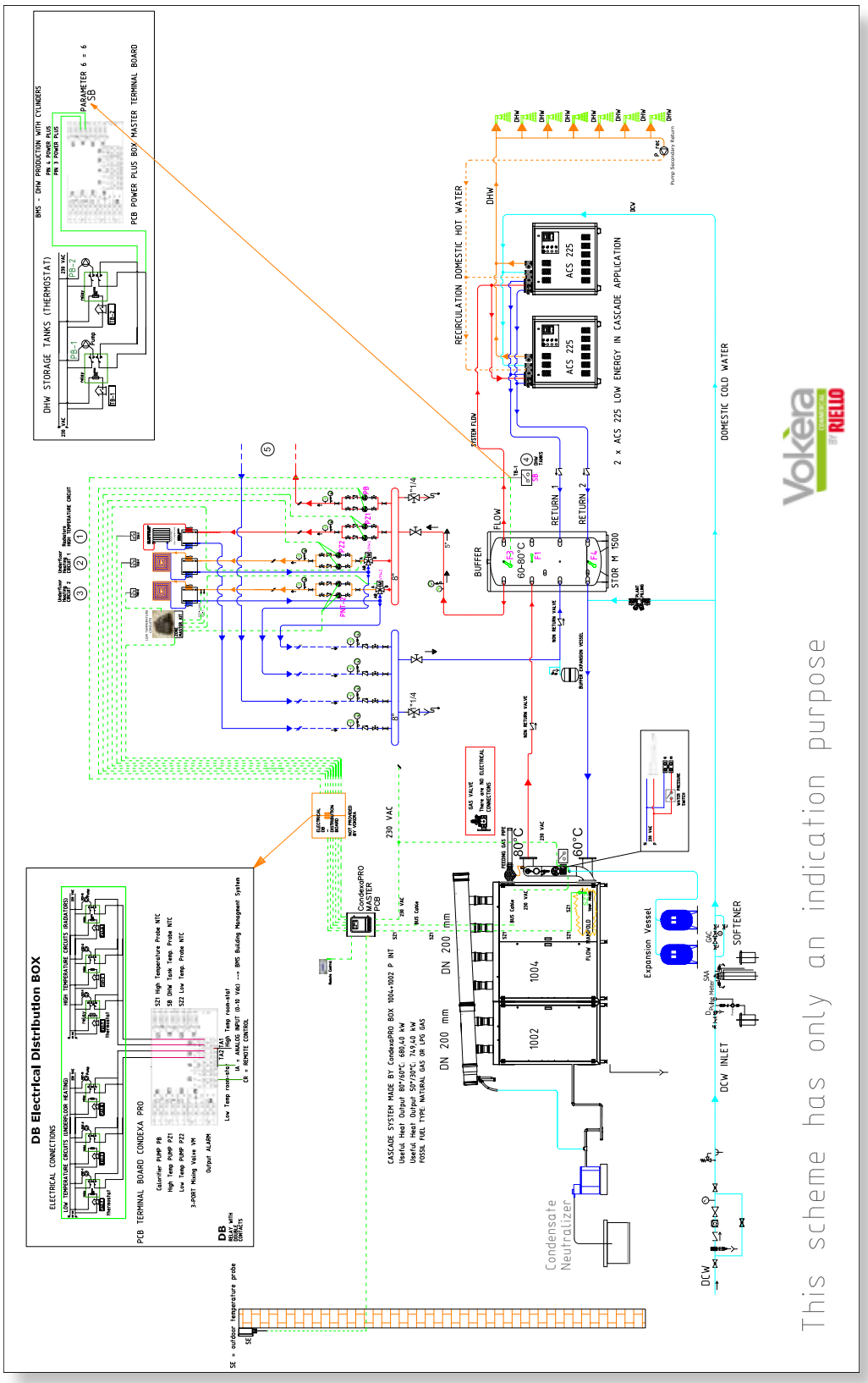
CPDs and technical presentation training to consulting engineers is also offered by our Pre Sales support team – please contact us for more details.

Training

Vokèra by Riello offer a wide selection of training from basic product information to installation, servicing, maintenance and commissioning. With Centre of Excellence training centres at our Head Office in London and at our dedicated training centre in Bradford we can cater for all manner of training requirements for our products. We also have affiliated training centres throughout the UK (please contact us for more details).

For more information on training please contact our Training Department on **0844 391 0999** (option 5) or email **training@vokera.co.uk**

Example of a Pre Sales CAD drawing, which is supplied with a complete bill of materials



Notes

Vokèra COMMERCIAL BY RIELLO

Registered address:

Vokèra Limited
Borderlake House
Unit 7 Riverside Industrial Estate
London Colney
Herts AL2 1HG

enquiries@vokera.co.uk
www.vokera.co.uk/commercial

Sales, General Enquiries:
T 0844 391 0999
F 0844 391 0998

Vokèra Ireland
Westcourt Business Park
Callan
Kilkenny
R95 PW40

T 056 775 5055
F 056 775 5060

A Riello Group Company. Company Reg No: 1047779

Issue 01/18/B&W