LIGHT COMMERCIAL

WALL-HUNG MODULAR CONDENSING BOILERS

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FLOOR-STANDING MODULAR CONDENSING BOILERS

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FLOOR-STANDING MODULAR MULTI-BURNER CONDENSING BOILERS

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Light commercial gas boilers range is dedicated to centralized plants, both when they are built as new or replaced. The range can satisfy powers up to 7.000 kW.

All models are featured by:
- high performance and low power consumption thanks to condensing technology
- low emissions
- single/modular operation
- low consumption pump
- wide modulation range
- natural gas or LPG operation

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BIM READY

VICTRIX PRO ErP

Wall-hung modular condensing boiler for heating only

- Wide range (6 models)
- High efficiency and low pollutant emissions thanks to condensing technology
- Low consumption pump
- Modulating heat output from 10 to 100%
- Possible indoor or outdoor installation (thanks to special supporting frame)
- Double NTC probe for optimum temperature control
- Electronic control board microprocessor driven
- Electronic ignition and modulation
- Possibility of installation in cascade (up to 8 appliances)
- Hydraulic options and flue systems for cascade installations (up to 5 appliances)
- Possibility to connect a separate storage tank unit
- Standard frost protection up to -5 °C

VICTRIX PRO 35 2 ErP A

VICTRIX PRO 55 2 ErP A

VICTRIX PRO 68 2 ErP A

Model	Dimensions (H x W x D) mm	Empty appliance weight kg
35 2 ErP	843 x 442 x 453	51,2
55 2 ErP	843 x 442 x 453	51,4
68 2 ErP	1038 x 600 x 497	79,5
80 2 ErP	1038 x 600 x 497	79,5
100 2 ErP	1038 x 600 x 627	95,9
120 2 ErP	1038 x 600 x 927	102,5

Model	Code N.G. L.P.G.	Heat output kW		Efficiency at nominal heat output		Protection index
		80-60 °C	50-30 °C	80-60 °C	50-30 °C	
VICTRIX PRO 35 2 ErP	3.025622 3.025622GPL	34,0	37,3	97,3%	107,0%	IPX5D
VICTRIX PRO 55 2 ErP	3.025618 3.025618GPL	49,9	54,8	97,3%	106,8%	IPX5D
VICTRIX PRO 68 2 ErP	3.029368 3.029368GPL	63,5	69,6	97,3%	106,6%	IPX5D
VICTRIX PRO 80 2 ErP	3.025619 3.025619GPL	73,0	80,3	97,0%	106,6%	IPX5D
VICTRIX PRO 100 2 ErP	3.025620 3.025620GPL	90,0	98,8	97,5%	107,0%	IPX5D
VICTRIX PRO 120 2 ErP	3.025621 3.025621GPL	111,0	121,7	97,3%	106,7%	IPX5D

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Thermoregulation for VICTRIX PRO ErP

Systems of control and heat adjustment for single installation

Based on the type of installation and comfort required, the following accessories can be used with VICTRIX PRO ErP.

Type		Code
Remote control for single VICTRIX PRO ErP This is a modulating control unit that serves to optimize climatic management of the temperature in rooms. It can only be used on systems with a single temperature control. Temperature control class V* or VI Contribution to seasonal space heating energy efficiency 3%* or 4%	Dimensions (H x W x D) mm 138 x 90 x 28	3.020358
CRONO 7 (weekly digital chronothermostat) Temperature control class IV* or VII Contribution to seasonal space heating energy efficiency 2%* or 3,5%	Dimensions (H x W x D) mm 103 x 142 x 31	3.021622
CRONO 7 WIRELESS (wireless weekly digital chronothermostat) Temperature control class IV* or VII Contribution to seasonal space heating energy efficiency 2%* or 3,5%	Dimensions (H x W x D) mm 103 x 142 x 31 Dimensions (H x W x D) mm 82 x 105 x 26	3.021624
External probe kit Temperature control class II*, VI or VII Contribution to seasonal space heating energy efficiency 2%*, 4 or 3,5%		3.015266
System delivery probe kit Connected to the boiler board, it measures the delivery temperature after the hydraulic manifold.		3.024245
DHW probe kit Connected to the boiler board, it measures the DHW temperature of a storage tank.		3.025467

** Temperature control class with default settings. The class depends on the settings and operation modes that can be changed, for example Modulating or ON/OFF. The use of these devices contributes, in percentage, to the seasonal energy efficiency of the heating system.*

TECHNICAL NOTE

If VICTRIX PRO ErP is used without a Cascade and zones regulator and fitted with the system delivery probe kit code 3.024245 (optional) and DHW probe kit code 3.025467 (optional), the boiler electronics will be able to control:

- *a DHW secondary pump;*
- *a HEATING SYSTEM secondary pump (not mixed).*

It is also possible to control a simple cascade i.e. 2 boilers with uniform power and:

- *a DHW secondary pump;*
- *a HEATING SYSTEM secondary pump*

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Thermoregulation for VICTRIX PRO ErP

Systems of control and heat adjustment for installation in battery

The following accessories can be used with VICTRIX PRO ErP in cascade to control the central heating system and optimize climatic regulation.

Type		Code
Cascade and zones regulator kit It can manage VICTRIX PRO ErP in cascade and max 3 heating system zones plus 1 DHW circuit. Temperature control class VI* or VIII Contribution to seasonal space heating energy efficiency 4%* or 5%	Dimensions (H x W x D) mm 96 x 144 x 75	3.015244
Wall box kit for cascade and zones regulator If the cascade and zone regolator is not install inside an electrical box.		3.015265
Zone manager kit Temperature control class V* or VI Contribution to seasonal space heating energy efficiency 3%* or 4%	Dimensions (H x W x D) mm 138 x 90 x 28	3.015264
Modulating room thermostat Temperature control class V* or VI Contribution to seasonal space heating energy efficiency 3%* or 4%	Dimensions (H x W x D) mm 90 x 83 x 35	3.015245
CRONO 7 (wireless weekly digital chronothermostat) Temperature control class IV* or VII Contribution to seasonal space heating energy efficiency 2%* or 3,5%	Dimensions (H x W x D) mm 103 x 142 x 31	3.021622
CRONO 7 WIRELESS (wireless weekly digital chronothermostat) Temperature control class IV* or VII Contribution to seasonal space heating energy efficiency 2%* or 3,5%.	Dimensions (H x W x D) mm 103 x 142 x 31 Dimensions (H x W x D) mm 82 x 105 x 26	3.021624
Flow probe kit		3.015267
Storage tank probe kit		3.015268
Solar collector temperature probe kit		3.019374
External probe kit Temperature control class II*, VI or VII Contribution to seasonal space heating energy efficiency 2%*, 4 or 3,5%.		3.024511
Tele-management kit 2.0 Can be combined exclusively with the cascade and zone regulator for connection to an ethernet network or via router/ modem to an ADSL line for connection to a remote system.	Dimensions (H x W x D) mm 160 x 160 x 34	3.029832

** Temperature control class with default settings. Some heat regulation device can change class depending on the settings and operation modes that can be changed, for example Modulating or ON/OFF, The use of these devices contributes, in percentage, to the seasonal energy efficiency of the heating system.*

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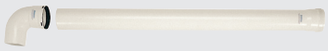
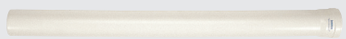
Flue systems “Green series” for VICTRIX PRO ErP

VICTRIX PRO ErP have a dedicated set of kits for air suction/fume exhaust built to guarantee high resistance to corrosion, ease of installation and functional fit, thanks also to the bayonet fastening system and special sealing gaskets.

Configuration B_{23} - open chamber, fan assisted

Type		Code
Vertical terminal outlet kit Ø 80		3.015256
Vertical terminal outlet outdoor kit Ø 80 (stainless steel)		3.024295
Horizontal kit Ø 80 (to discharge in the chimney)		3.015254
Horizontal terminal outlet kit Ø 80 (to discharge horizontally)		3.015255
4 extension pipes Ø 80 kit 0,5 m long		3.014642
4 extension pipes Ø 80 kit 1 m long		3.012088
1 extension pipe Ø 80 2 m long		3.016837
45° bend Ø 80 kit		3.012092
4 x 90° bends Ø 80 kit		3.012091

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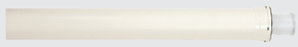
Flue systems “Green series” for VICTRIX PRO ErP

Configuration C - sealed chamber, fan assisted

Type		Code
Horizontal concentric kit Ø 80/125		3.030782
Vertical concentric kit Ø 80/125		3.015243
Extension pipe kit Ø 80/125 1 m long		3.018667
Extension pipe kit Ø 80/125 2 m long		3.015246
2 x 45° Bend kit Ø 80/125		3.015248
87° Bend kit Ø 80/125		3.015247
Flashing Kit Ø 80/125 for flat roof		3.015249

Gasket kit

10 pcs. Gasket kit Ø 80		3.015343
Gasket kit Ø 110		3.015344
Gasket kit Ø 125		3.015345

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Flue systems “Green series” for VICTRIX PRO ErP

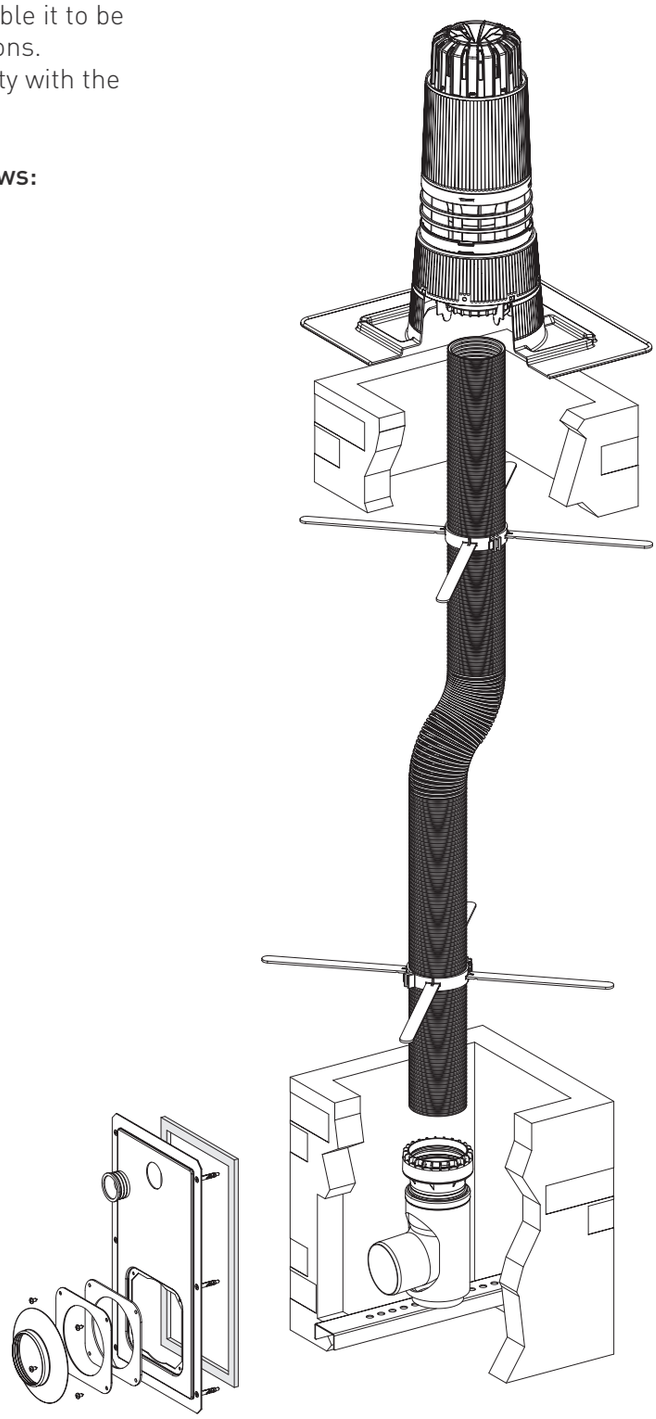
Ø 80 mm flexible ducting system

The Immergas flexible ducting system consists of a series of modules and components, identified as individual kits, which, assembled according to specific installation needs, make up the complete system and enable it to be combined with the various known plant solutions.
The installation has to be realized in conformity with the assembling instruction provided.

The maximum allowed pipe length is as follows:

- VICTRIX PRO 35 ErP, 11 m
- VICTRIX PRO 55 ErP, 15 m
- VICTRIX PRO 68 ErP, 14 m
- VICTRIX PRO 80 ErP, 14 m
- VICTRIX PRO 100 ErP, 7 m
- VICTRIX PRO 120 ErP, 3,5 m

EC Certificate according to UNI EN 14471



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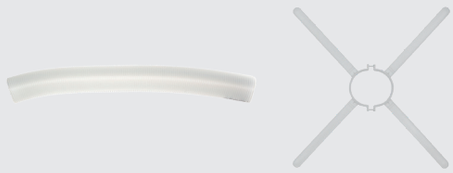
Flue systems “Green series” for VICTRIX PRO ErP

Ø 80 mm flexible ducting system

Description		Code
Flexible ducting kit Ø 80 mm, L=12 m + 4 centering spacers		3.027875
Support bend kit Ø 80 mm 87° and flexible ducting adapter Ø 80		3.027873
Support bend kit Ø 80 mm 70° M and flexible ducting adapter Ø 80		3.027874
Vertical outlet kit Ø 80/125 for flexible ducting Ø 80 Useful when there's a boiler with 80/80 pipe kit and ducting system with the only flue gas exhaust (C_5 type), or in presence of concentric flue systems (C_9 type)		3.027876
Chimney hole closing panel kit		3.012008
Flexible/flexible adapter kit for flexible ducting Ø 80		3.027877

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Flue systems “Green series” for VICTRIX PRO ErP

Cascade installation – “Green Series” exhaust manifolds

With installations in central heating systems, using up to 5 VICTRIX PRO ErP in the battery, in configuration B_{23} (open chamber fan assisted), Immergas supplies special exhaust manifolds in PP equipped with flue lock (mechanical shutters), to prevent backflow of combustion products through the other non-functioning boilers. The system is modular: there is an exhaust manifold kit for two boilers and one for additional boilers.

Type		Code
Exhaust manifold kit 2 VICTRIX PRO 35/55 ErP Ø 160 with flue lock serves for exhaust connection of two boilers in cascade		3.024279
Exhaust manifold kit 2 VICTRIX PRO 68/80/100/120 ErP Ø 200 with flue lock serves for exhaust connection of two boilers in cascade		3.024281
Additional exhaust manifold kit VICTRIX PRO 35/55 ErP Ø 160 with flue lock for connection of an additional boiler		3.024280
Additional exhaust manifold kit VICTRIX PRO 68/80/100/120 ErP Ø 200 with flue lock for connection of an additional boiler		3.024282
Additional exhaust manifold kit Ø 250 with flue lock for 4 VICTRIX PRO 100/120 ErP		3.024666
Additional exhaust manifold kit Ø 250 with flue lock for 5 VICTRIX PRO 100/120 ErP		3.024667
Extension pipe Ø 160 kit 0,5 m long for flue manifold		3.024659
Extension pipe Ø 200 kit 0,5 m long for flue manifold		3.024663
Extension pipe Ø 160 kit 1 m long for flue manifold		3.024516
Extension pipe Ø 200 kit 1 m long for flue manifold		3.024662
Extension pipe Ø 250 kit 1 m long for flue manifold		3.024668
87° bend kit Ø 160 for flue manifold		3.024517
87° bend kit Ø 200 for flue manifold		3.024665
87° bend kit Ø 250 for flue manifold		3.024670
2 x 45° bend kit Ø 160 for flue manifold		3.024518
2 x 45° bend kit Ø 200 for flue manifold		3.024664
2 x 45° bend kit Ø 250 for flue manifold		3.024669

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Option kits for VICTRIX PRO ErP

Hydraulic optional for cabinet installation

Type		Code
VICTRIX PRO cabinet kit it can be installed outdoor. It includes 4 support feet that ensure stable installation and its handling by forklift truck or transpallet to be positioned below the cabinet frame. Alternatively, you can move the cabinet by means of 4 eyebolts in the upper part. The cabinet has a door that can be opened by 180 inclusive of lock.		3.027188
Hydraulic manifold kit for VICTRIX PRO cabinet for cascade connection. The kit includes hydraulic manifold DN 100 and condensate discharge manifold DN 50. The installer has to realise gas manifold based on design.		3.027189
Adapter kit for replacement of VICTRIX PRO 35/55 ErP with previous range		3.023966

Free standing installation

Type		Code
"Free standing" support frame kit VICTRIX PRO designed to resolve installation situations in which the wall of the furnace room is not usable. With this modular construction, it is necessary to order a kit for every boiler installed. Approved also for installation outside the building.		3.024246

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Option kits for VICTRIX PRO ErP

Hydraulic optional for single installation

The following hydraulic accessories are supplied as optionals to complete the individual installation of a VICTRIX PRO ErP and VICTRIX PRO.

Type		Code
Safety kit single boiler the kit includes thermometer, thermometer holder, lock, thermostat with manual reset, connection tap for pressure gauge, manual reset pressure switch, gas intercepting valve trap, expansion vessel connection and pressure switch for minimum pressure. Insulation as standard		3.023949
Three-way valve kit connection to a separate storage tank the kit includes the storage tank probe. The power supply is 230 Vac. Insulation as standard		3.023950
Hydraulic manifold kit for VICTRIX PRO 35/55 ErP specially sized for large thermal systems with high water content. Equipped with sludge collection filter on the return pipe. Insulation as standard		3.023951
Hydraulic manifold kit for VICTRIX PRO 68/80/100/120 ErP specially sized for large thermal systems with high water content. Equipped with sludge collection filter on the return pipe Insulation as standard		3.023952
IPX4D protection box kit for single boiler safety kit		3.024028
By-pass kit for VICTRIX PRO 35/55 ErP the kit is envisaged on those systems (without hydraulic manifold) in which the hydraulic flow can be under 850 l/h Insulation as standard		3.024519
Condensate neutralizer kit for single installation necessary to neutralize the acidity of the condensation. Inclusive of granulate		3.019857
Granulate for condensate neutralizer extra granulate for condensation passivator kit code 3.019857		3.019865
Anti freeze protection kit -15 °C usable in outdoor installations for minimum temperature as low as -15 °C.		3.024513
Adapter kit for replacement of VICTRIX PRO 35/55 ErP with previous range		3.023966
Condensate discharge pump kit To be used in case of opposite slope between siphon and discharge It can only be installed inside the building and outside the appliance		3.020002

Storage Tanks

VICTRIX PRO ErP in single installation can be matched to storage tanks for D.H.W. production.
See from pag 91.

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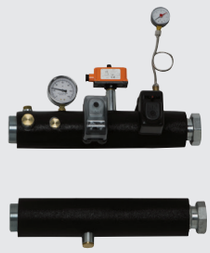
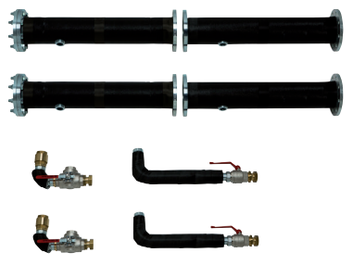
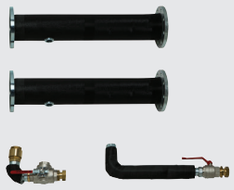
Option kits for VICTRIX PRO ErP

Hydraulic optional for cascade installation

The following hydraulic accessories are supplied as optionals for completion of cascade installations from 2 up to 5 VICTRIX PRO ErP.

Type		Code
Hydraulic manifold kit G 2 ½" for 2 VICTRIX PRO 35/55 ErP in cascade kit for connection of 2 VICTRIX PRO 35/55 ErP in cascade installation; includes a 2-way valves, a 3-way interception valve and a non-return valve for each generator. Insulation as standard		3.023953
Hydraulic manifold kit G 2 ½" for additional VICTRIX PRO 35/55 ErP in cascade in combination with kit 3.023953, it serves to connect from 3 to 5 VICTRIX PRO 35/55 ErP boilers in cascade installation (one kit required for each additional boiler); includes a 2-way interception valve, a 3-way interception valve and a non-return valve. Insulation as standard		3.023954
Safety kit G 2" ½ for VICTRIX PRO 35/55 ErP in cascade the kit includes thermometer, thermometer holder, lock, thermostat with manual reset, connection tap for pressure gauge, manual reset pressure switch, gas intercepting valve trap, expansion vessel connection and pressure switch for minimum pressure. Insulation as standard		3.023955
Hydraulic manifold kit DN 100 for 2 VICTRIX PRO 68/80/100/120 ErP in cascade kit to connect 2 VICTRIX PRO 80/100/120 ErP in cascade installation; it includes a 2 way interception valve, a 3-way interception valve and a non-return valve for each generator. Insulation as standard		3.023959
Hydraulic manifold kit DN 100 for additional VICTRIX PRO 68/80/100/120 ErP in cascade in combination with kit 3.023959 serves to connect from 3 to 5 VICTRIX PRO 80/100/120 ErP boilers in cascade installation (one kit required for each additional boiler); includes a 2-way interception valve, a 3-way interception valve and a non-return valve. Insulation as standard		3.023960
Safety kit DN 100 for VICTRIX PRO 68/80/100/120 ErP in cascade the kit includes thermometer, thermometer holder, lock, thermostat with manual reset, connection tap for pressure gauge, manual reset pressure switch, gas intercepting valve trap, expansion vessel connection and pressure switch for minimum pressure. Insulation as standard		3.023961
IPX4D protection box kit for boiler in cascade safety kit		3.024038

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Option kits for VICTRIX PRO ErP

Hydraulic optional for cascade installation

Type		Code
Condensate neutralizer kit for cascade installation necessary to neutralize the acidity of the condensation. Inclusive of granulate		3.019464
Granulate for condensate neutralizer extra granulate for condensation passivator kit code. 3.019464 (in case of cascade installation we suggest to buy 2 kits)		3.019865
Hydraulic separator for 100 kW installations separator with G2 ½" threaded connectors. Insulation as standard.		3.020839
Hydraulic separator for 200 kW installations separator with G2 ½" threaded connectors. Insulation as standard.		3.021377
Hydraulic separator for 400 kW installations separator with G2 ½" threaded connectors on boiler side - DN 100 on system side. Insulation as standard.		3.021378
Hydraulic separator for 350 kW installations separator with flanged connectors - DN 100. Insulation as standard.		3.023965
Hydraulic separator for 600 kW installations separator with flanged connectors - DN 100. Insulation as standard.		3.023962
Anti freeze protection kit -15 °C usable in outdoor installations for minimum temperature as low as -15 °C. One kit for every boiler		3.024513

Storage Tanks

VICTRIX PRO ErP in cascade installation can be matched to storage tanks for D.H.W. production.
See from pag 91.

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BIM READY

ARES PRO

Floor standing condensing boiler with high content of water

Stainless steel condensing thermic generator (AISI 316L) with pre-mix modulating burner with low NOx suitable for replacement of old generators from 150 to 600 kW.

- Direct connection to the system, without hydraulic separator/heat plate exchanger
- Very low risk of clogging in the presence of impurities on existing systems
- Reduced number of burner switch on/off cycles, thanks to the large water content buffer
- Good modulating ratio (up to 1:4)
- Vertical burner with integrated clapet valve
- Extremely compact dimensions
- Possibility to manage up to 8 boilers in cascade
- External probe as standard
- Homologated for internal use
- Protection index IPX4D

Model	Dimensions (H x W x D) mm	Empty appliance weight kg
150	1809 x 666 x 933	407
230	1917 x 846 x 1082	479
300	1946 x 910 x 1170	549
348	2130 x 996 x 1273	716
400	2130 x 996 x 1273	716
500	2130 x 996 x 1273	716
600	2206 x 1096 x 1397	875

Model	Code N.G. L.P.G.	Heat output kW		Water content litres	Modulating heat output range
		80-60 °C	50-30 °C		
ARES PRO 150	3.028309 3.028309GPL	136,4	145,9	153	25-100%
ARES PRO 230	3.028310 3.028310GPL	209,3	226,8	210	23-100%
ARES PRO 300	3.028311 3.028311GPL	274,5	292,9	270	23-100%
ARES PRO 348	3.028312 3.028312GPL	341,4	363,3	340	24-100%
ARES PRO 400	3.028313 3.028313GPL	373,0	399,0	340	24-100%
ARES PRO 500	3.028314 3.028314GPL	441,9	427,0	340	26-100%
ARES PRO 600	3.028315 3.028315GPL	534,5	581,2	425	23-100%

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Thermoregulation ARES PRO

Type		Code
Cascade regulator kit electronically manages up to a maximum of 8 ARES PRO in cascade. Includes cascading external BCM board, display / programmer, 24 V power supply, external probe, storage tank probe.		3.028340
SHC multifunction board kit with 3 NTC probes, it is possible to drive up to a maximum of 4 SHC cards (3 optional + 1 as standard with ARES TEC ErP). To be inserted in the electric panel of the thermal plant.		3.028338
24V Power pack kit 24 V low voltage power supply in case of electric panel insertion (in thermal plant) of the SHC multifunction modules.		3.028339
CRONO 7 (weekly digital chronothermostat)	Dimensions (H x W x D) mm 103 x 142 x 31	3.021622
CRONO 7 WIRELESS (wireless weekly digital chronothermostat)	Dimensions (H x W x D) mm 103 x 142 x 31 Dimensions (H x W x D) mm 82 x 105 x 26	3.021624
Solar collector temperature probe kit		1.028812

Option kits ARES PRO

Condensate neutralizer kit up to 1500 kW	3.023662
Granulate kit for condensate neutralizer (25 kg)	3.023663
Safety kit with filter for ARES PRO 150÷230*	3.028336
Safety kit with filter for ARES PRO 300÷500*	3.028337
Safety kit with filter for ARES PRO 600*	3.023658

** The kit includes filter and safety devices except safety valve, manometer, expansion vessel and fuel relief valve*

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BIM READY

ARES TEC ErP

Floor-standing modular multi-burner condensing boiler

- Heat outputs from 146,1 to 848,5 kW
- High efficiency and low pollutant emissions thanks to condensing technology
- Electronic and temperature fully automatic
- Possible indoor and outdoor installation (index protection IPX5D)
- Possible installation in cascade (up to 8 appliances)
- Extremely noiseless
- Wide range of dedicated accessories
- Each heating units that compose ARES TEC ErP is equipped with: modulating radiant premix burner, two-stage modulating gas valve, electronic ignition with ionization, NTC temperature control probes, safety thermostats and sight glass

Model	Dimensions (H x W x D) mm	Empty appliance weight kg
150	1150 x 764 x 770	236
200	1150 x 1032 x 770	295
250	1150 x 1032 x 770	325
300	1150 x 1300 x 770	386
350	1150 x 1300 x 770	419

Model	Dimensions (H x W x D) mm	Empty appliance weight kg
440	1448 x 1087 x 946	585
550	1448 x 1355 x 946	643
660	1448 x 1355 x 946	707
770	1448 x 1623 x 946	806
900	1448 x 1623 x 946	858

Model	Code N.G. L.P.G.	Heat output kW		Efficiency at nominal heat output		Emissions of nitrogen oxides NOx (ref. PCI) Mg/kWh	Modulating heat output range
		80-60 °C	50-30 °C	80-60 °C	50-30 °C		
ARES 150 TEC ErP	3.025682 3.025682GPL	146,1	150,0	97,4%	100,0%	30	8-100%
ARES 200 TEC ErP	3.025683 3.025683GPL	195,2	200,4	97,6%	100,2%	30	6-100%
ARES 250 TEC ErP	3.025684 3.025684GPL	244,5	251,2	97,8%	100,5%	30	5-100%
ARES 300 TEC ErP	3.025685 3.025685GPL	294,0	302,7	98,0%	100,9%	30	4-100%
ARES 350 TEC ErP	3.025686 3.025686GPL	341,8	354,6	98,2%	101,9%	30	3,5-100%
ARES 440 TEC ErP	3.025687 3.025687GPL	424,3	445,4	98,2%	103,1%	54	5-100%
ARES 550 TEC ErP	3.025688 3.025688GPL	530,3	557,8	98,2%	103,3%	54	4-100%
ARES 660 TEC ErP	3.025689 3.025689GPL	636,4	670,0	98,2%	103,4%	54	3-100%
ARES 770 TEC ErP	3.025690 3.025690GPL	742,5	783,2	98,2%	103,6%	54	3-100%
ARES 900 TEC ErP	3.025691 3.025691GPL	848,5	900,3	98,2%	104,2%	54	2,5-100%

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Thermoregulation for ARES TEC ErP

Type		Code
Cascade regulator kit electronically manages up to a maximum of 8 ARES TEC ErP in cascade. Includes cascading external BCM board, display / programmer, 24 V power supply, external probe, storage tank probe.		3.028340
SHC multifunction board kit with 3 NTC probes, it is possible to drive up to a maximum of 4 SHC cards (3 optional + 1 as standard with ARES TEC ErP). To be inserted in the electric panel of the thermal plant.		3.028338
24 V Power pack kit 24 V low voltage power supply in case of electric panel insertion (in thermal plant) of the SHC multifunction modules.		3.028339
CRONO 7 (weekly digital chronothermostat)		3.021622
CRONO 7 WIRELESS (wireless weekly digital chronothermostat)	Dimensions (H x W x D) mm 103 x 142 x 31 Dimensions (H x W x D) mm 82 x 105 x 26	3.021624
Solar collector temperature probe kit		1.028812

Flue systems for ARES TEC ErP

In comparison to the standard versions, the ARES 150/200/250/300/350 TEC ErP models can be installed with a flue exhaust on the back, using appropriate optional kits.

Flue exhaust kit

Rear flue discharge kit for 150/200 models		3.023701
Rear flue discharge kit for 250/300/350 models		3.023674
Supporting kit for side flue discharge (all models)		3.023675

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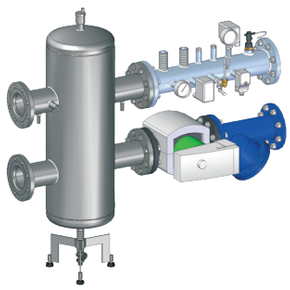
Option kits for ARES TEC ErP

Hydraulic kit for installation with hydraulic separator for ARES TEC ErP

Safety kit complete with pump and hydraulic separator

The following kit includes a "Y" filter, a modulating pump class A, an hydraulic separator and following safety devices: pressure gauge with pipe damper and manometer cock, thermometer, inspection openings, stube pipe G1 ¼'' for inserting safety valves, safety thermostat, pressure switch for minimum pressure with manual reset, additional stube pipe G1, safety pressure switch and differential flow switch.
The kit does not include the tested expansion tank, safety valve (2 for 660/770/900 ErP versions), drain valve and manometer, since these need to be sized according to the characteristics of the system.

Type		Code
Safety kit complete with pump and hydraulic separator for 150 model		3.023645
Safety kit complete with pump and hydraulic separator for 200/250 models		3.023646
Safety kit complete with pump and hydraulic separator for 300/350 models		3.023647
Safety kit complete with pump and hydraulic separator for 440/550/660/770 models		3.023648
Safety kit complete with pump and hydraulic separator for 900 model		3.023649

Safety kit

To be mainly used when the pump is dimensioned by designer. The safety kit includes: pressure gauge with pipe damper and, manometer cock, thermometer, inspection openings, stub pipes G1 ¼'' for inserting safety valves, safety thermostat, manual reset pressure switch for minimum pressure, additional stub pipe G1, safety pressure switch and differential flow switch.
The kit does not include the tested expansion tank, safety valve, drain valve and manometer, since these need to be sized according to the characteristics of the system.

Safety kit with filter for 150/200/250/300/350 models	3.023656
Safety kit with filter for 440/550/660/770 models	3.023657
Safety kit with filter for 900 model	3.023658

Hydraulic separator kit

To be mainly used when the pump is independently dimensioned by the designer.

Hydraulic separator for 150/200/250/300/350 models	3.023659
Hydraulic separator for 440/550/660/770/900 models	3.023660

Outdoor casing kit

In case of outdoor installation of the safety kits and of the hydraulic separator with pump, appropriate casing kits are available to protect from the athmospheric agents.

Outdoor casing for safety kit and hydraulic separator for 150/200/250/300/350 models	3.023670
Outdoor casing for safety kit and hydraulic separator for 440/550/660/770/900 models	3.023671

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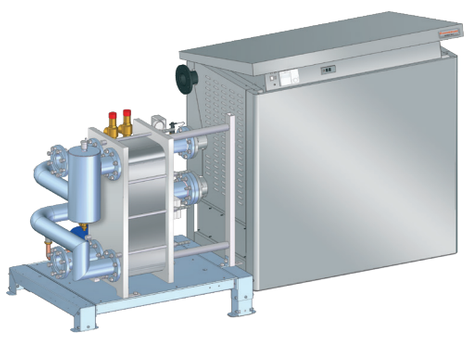
Option kits for ARES TEC ErP

Hydraulic kit for installation with plate heat exchanger for ARES TEC ErP

Safety kit complete with pump and plate heat exchanger

Ideal for system solutions where the primary circuit of the boiler needs to be completely separate from the one of the plant, like for example in presence of old-fashioned plants with high risks of dirt inside the circuit, disjunctions between open and closed vessel circuits or to allow the use of anti-freeze liquid in smaller quantities in case of installation of the boiler outdoor.

The kit includes a 316 L stainless steel plate heat exchanger, a modulating pump class A, a 8 litres expansion vessel (150/200/250/300/350 models) and 24 litres (440/550/660/770/900 models), an automatic air vent, delivery/return pipe, a drain valve, flanges/adapters, connectors, adjustable support components and the following safety devices: 1 safety valve 5 bar (2 valves for models 660/770/900 models), 3-way drain valve ½", manometer and dumper tube for manometer, thermometer with trap, minimum pressure switch with manual reset, safety pressure switch, inspection thermostat, inspection opening, coupling M/F ½'', paddle flow switch and stube pipes adapters.

Type		Code
Safety kit complete with pump and plate heat exchanger for 150/200 models		3.023650
Safety kit complete with pump and plate heat exchanger for 250/300/350 models		3.023651
Safety kit complete with pump and plate heat exchanger for 440/550 models		3.023652
Safety kit complete with pump and plate heat exchanger for 660 model		3.023653
Safety kit complete with pump and plate heat exchanger for 770 model		3.023654
Safety kit complete with pump and plate heat exchanger for 900 model		3.023655

Outdoor casing kit

In case of outdoor installation of the safety kit with pump and plate heat exchanger, casing kits are available to assure protection from athmospheric agents.

Outdoor casing for safety kit and plate heat exchanger for 150/200/250/300/350 models	3.023672
Outdoor casing for safety kit and plate heat exchanger for 440/550/660/770/900 models	3.023673

Kit for condensate drain management

Condensate neutralizer kit up to 1500 kW	3.023662
Granulate kit for condensate neutralizer (25 kg)	3.023663

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