

VICTRIX PRO

PROFESSIONAL RANGE



Introduction

- With introduction of VICTRIX 50 and the following realization of VICTRIX 75, VICTRIX 90 and VICTRIX 115 models, Immergas has entered into the market of wall-hung condensing boiler with heat output over 35 kW.
- Immergas proposes these products in Italy and in other countries in the world. The feedback has been positive, both for Italian and foreign markets.



Introduction

Today the market is interested in cascade applications with single boilers of about 35 kW, which can satisfy the exigencies of small/medium blocks – especially for new constructions with good thermal insulation.

According to these premises, Immergas has decided to renovate his Light Commercial wall-hung boiler range.



New range composition

The new wall-hung Light Commercial range is named "VICTRIX PROFESSIONAL" and it will replace the current range.

NEW MODEL NAMES WILL SHOW THE NOMINAL HEAT OUTPUT REFERRED TO 50/30 °C RANGE, not more 80/60 °C as current models.

CONSEQUENTLY THE HEAT OUTPUTS OF APPLIANCE NAMES ARE HIGHER THAN TODAY.



New range composition



New range composition:

Current range	New Range
-	VICTRIX PRO 35
VICTRIX 50	VICTRIX PRO 55
VICTRIX 75	VICTRIX PRO 80
VICTRIX 90	VICTRIX PRO 100
VICTRIX 115	VICTRIX PRO 120



New range composition

The new range proposes generators with the same useful heat outputs of current range. In addition the new VICTRIX PRO 35 model will be introduced, which will have the same technical characteristic and aesthetic of other Light commercial models.

NOTE ABOUT DENOMINATIONS:

VICTRIX PROFESSIONAL is the name of the new Light Commercial wall-hung boiler range; consequently the single models will be called “VICTRIX PRO“.



Main characteristic of the new range

All technical features, that have positively distinguished the product so far sold, have been confirmed:

- Possibility of boiler installation indoor or outdoor, even in open areas
- Protection index IPX5D
- Standard antifreeze protection up to -5 ° C
(with optional kit up to -15 ° C)
- Functioning in cascade, also with different heat outputs
- Low pollutants emissions (class 5 according to EN 297)



Main characteristic of the new range

NEW FEATURES:

- New aesthetic; reduction of the dimensions (for low heat output models)
- Wide modulation range
- Cascade installations up to 5 boilers with one safety kit
- Flue/Hydraulic connection distance from the wall are standardized for all models
- Bigger commercial proposal, with introduction of new model VICTRIX PRO 35
- Complete range of accessories
- Possibility of installation using the free-standing support frame



Aesthetic



New aesthetic for all the range,
with vertical sliding cover for the
protection of the boiler display



Aesthetic

 IMMERMAS



**VICTRIX PRO
100-120**

**VICTRIX PRO
80**

**VICTRIX PRO
35-55**



Main Dimensions VICTRIX PRO 35 and 55

Dimensions **843** H x **442** W x **452** D

The distance between flow and return pipes is **300** mm, the distance from the wall is **220** mm

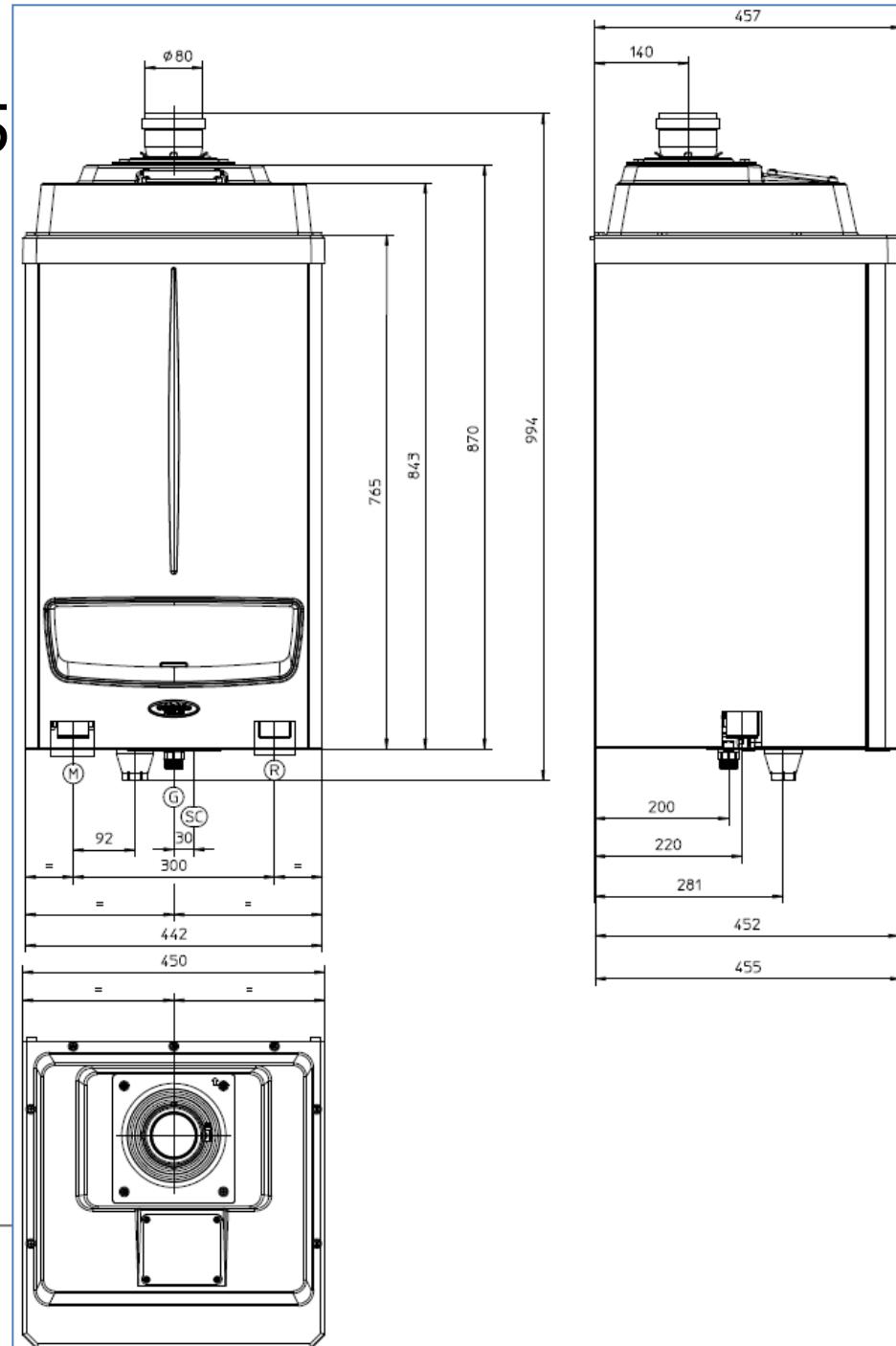
The distance from the wall of the flue connection is **140** mm.

Hydraulic connections
Flow -Return

1 1/2" G

Gas connection

3/4" G



Main Dimensions VICTRIX PRO 80

Dimensions **1038** H x **600** W x **497** D

The distance between flow and return pipes is **390** mm, the distance from the wall is **220** mm.

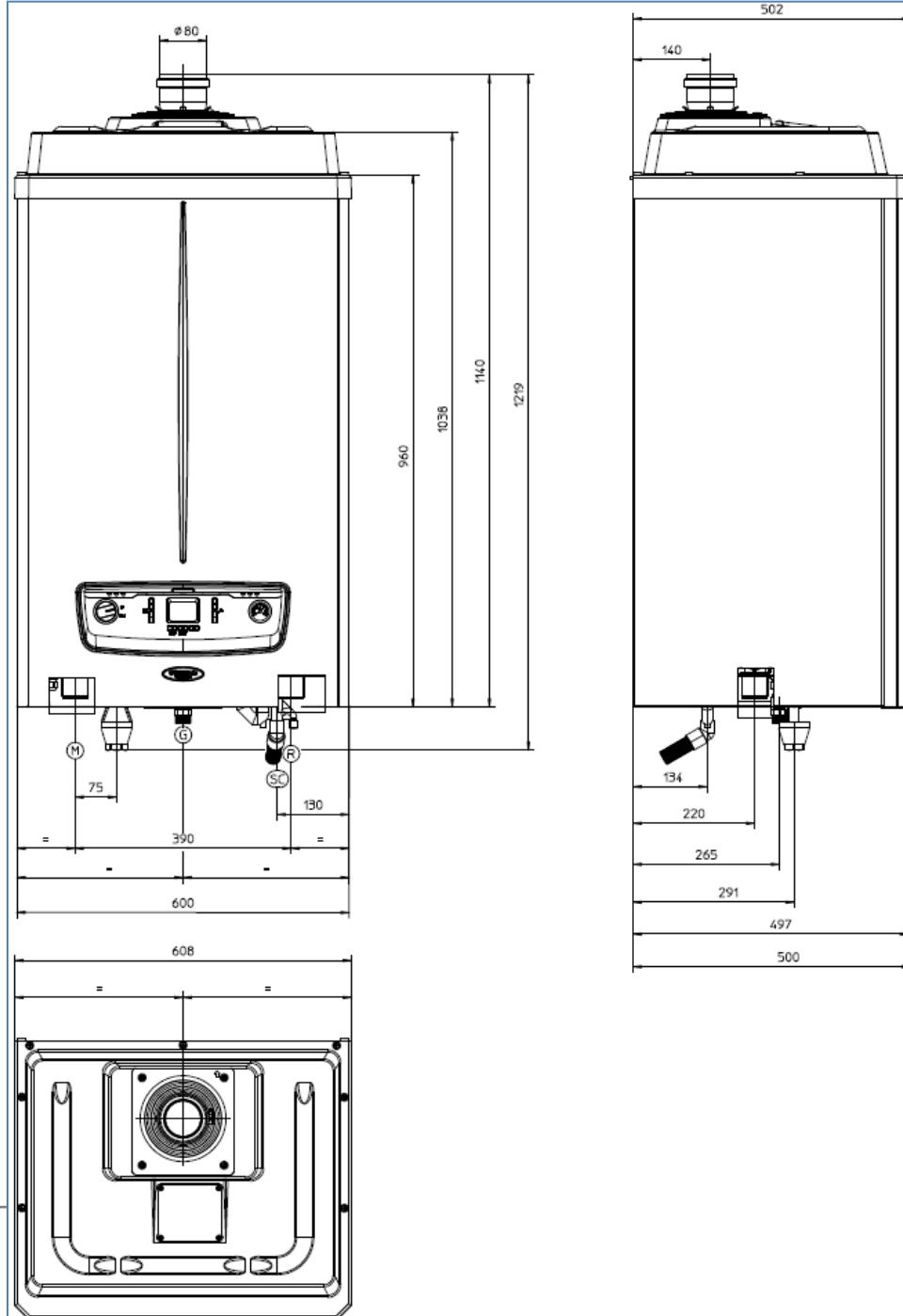
The distance from the wall of the flue connection is **140** mm.

Hydraulic connections
Flow -Return

1 1/2" G

Gas connection

3/4" G



Main Dimensions VICTRIX PRO 100 and 120

Dimensions **1038** H x **600** W x **627** D

The distance between flow and return pipes is **390** mm, the distance from the wall is **220** mm.

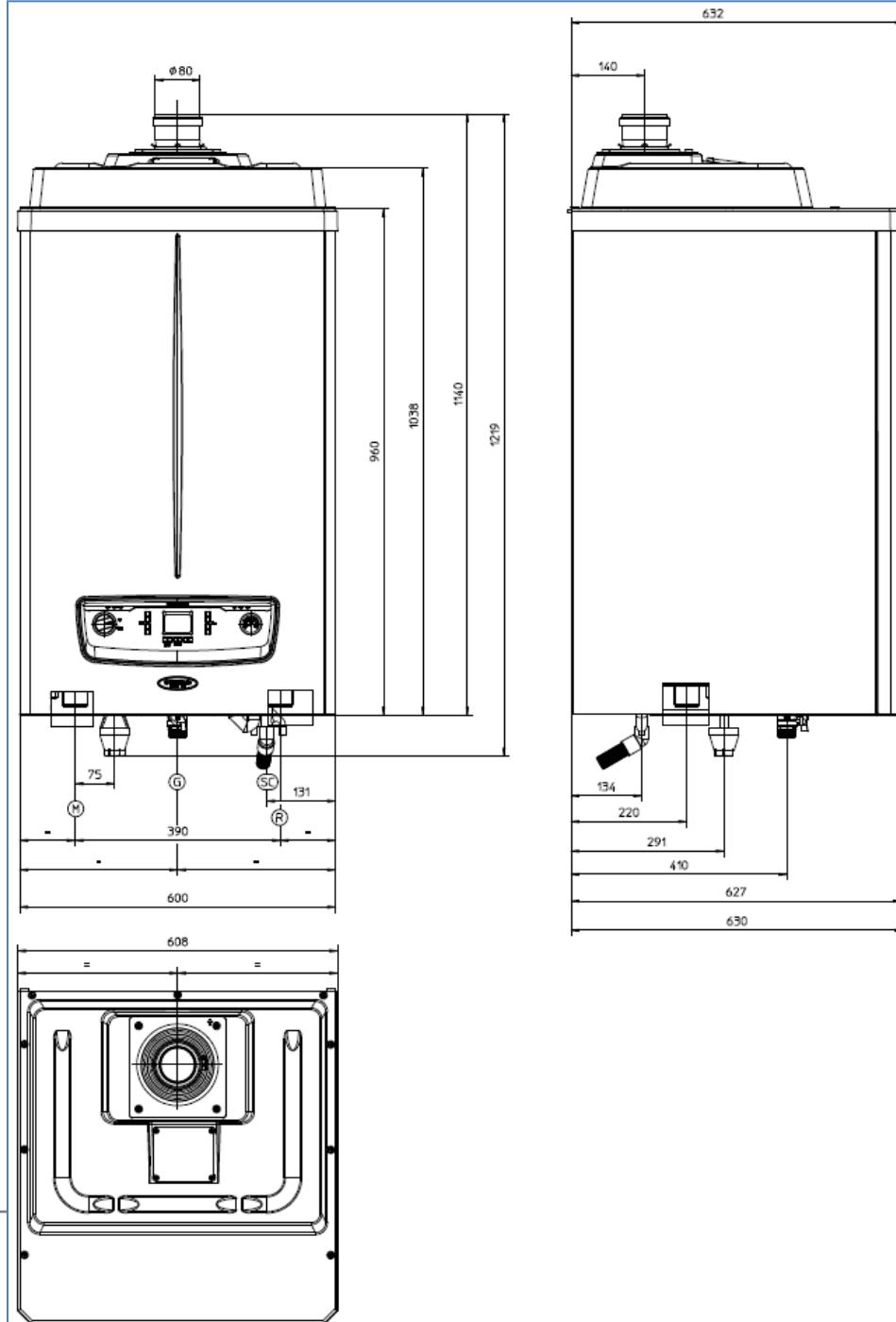
The distance from the wall of the flue connection is **140** mm.

Hydraulic connections
Flow -Return

1 1/2" G

Gas connection

1" G



Control Panel

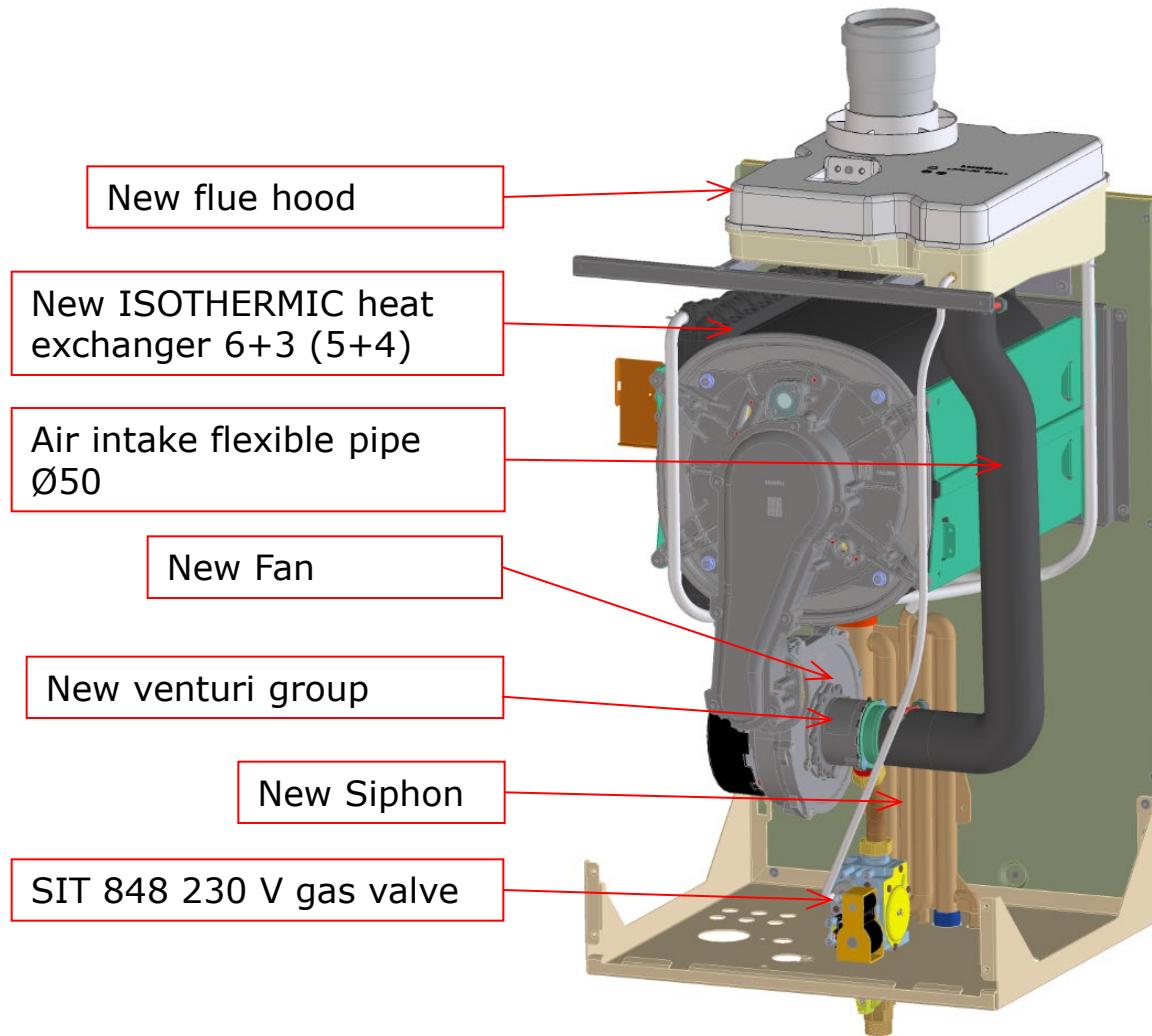
 IMMERSAS



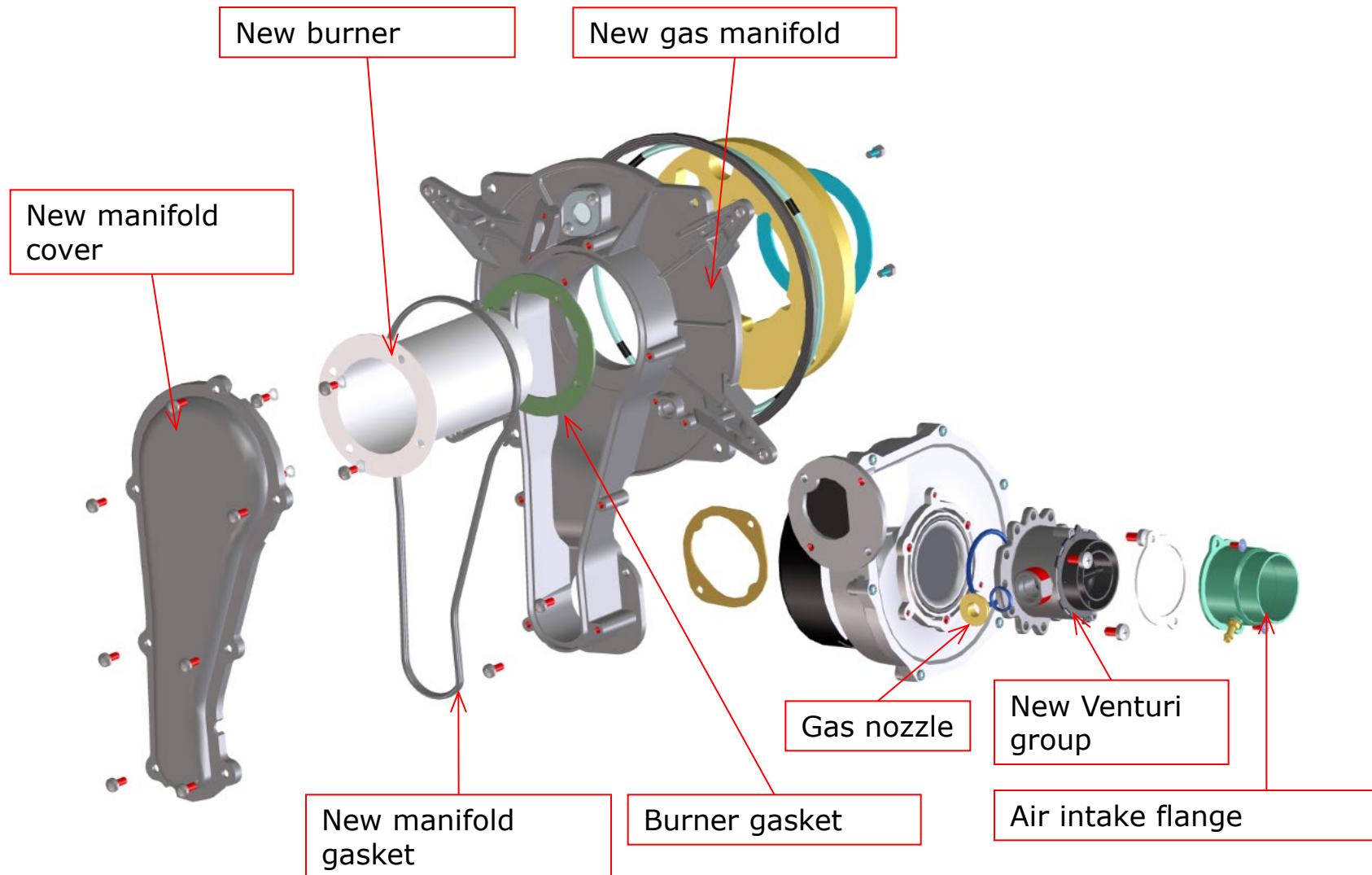
- Main switch
- Boiler regulation with 7 keys
- Display with operating state, temperatures and error codes
- Boiler manometer



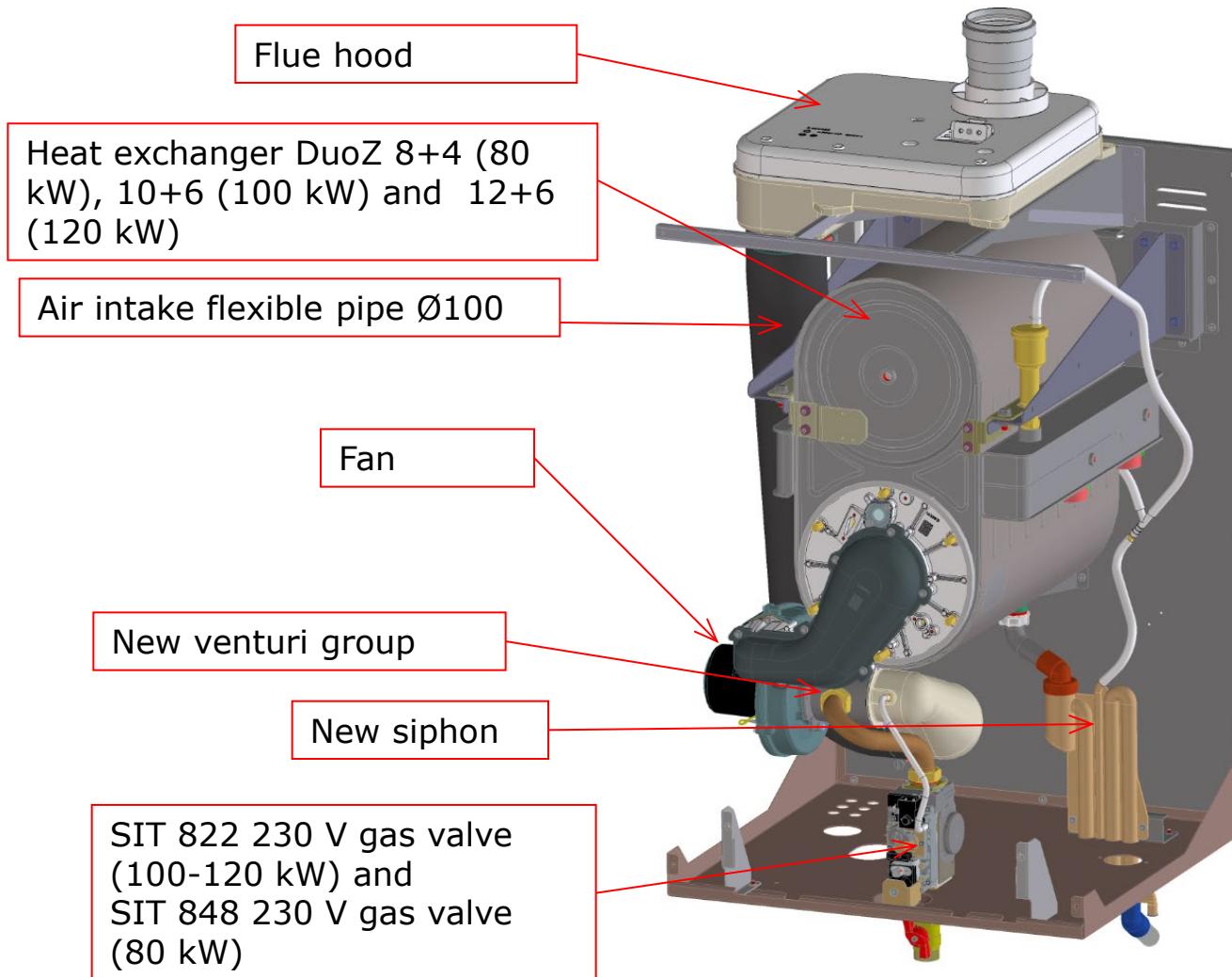
Combustion Group VICTRIX PRO 35 and 55



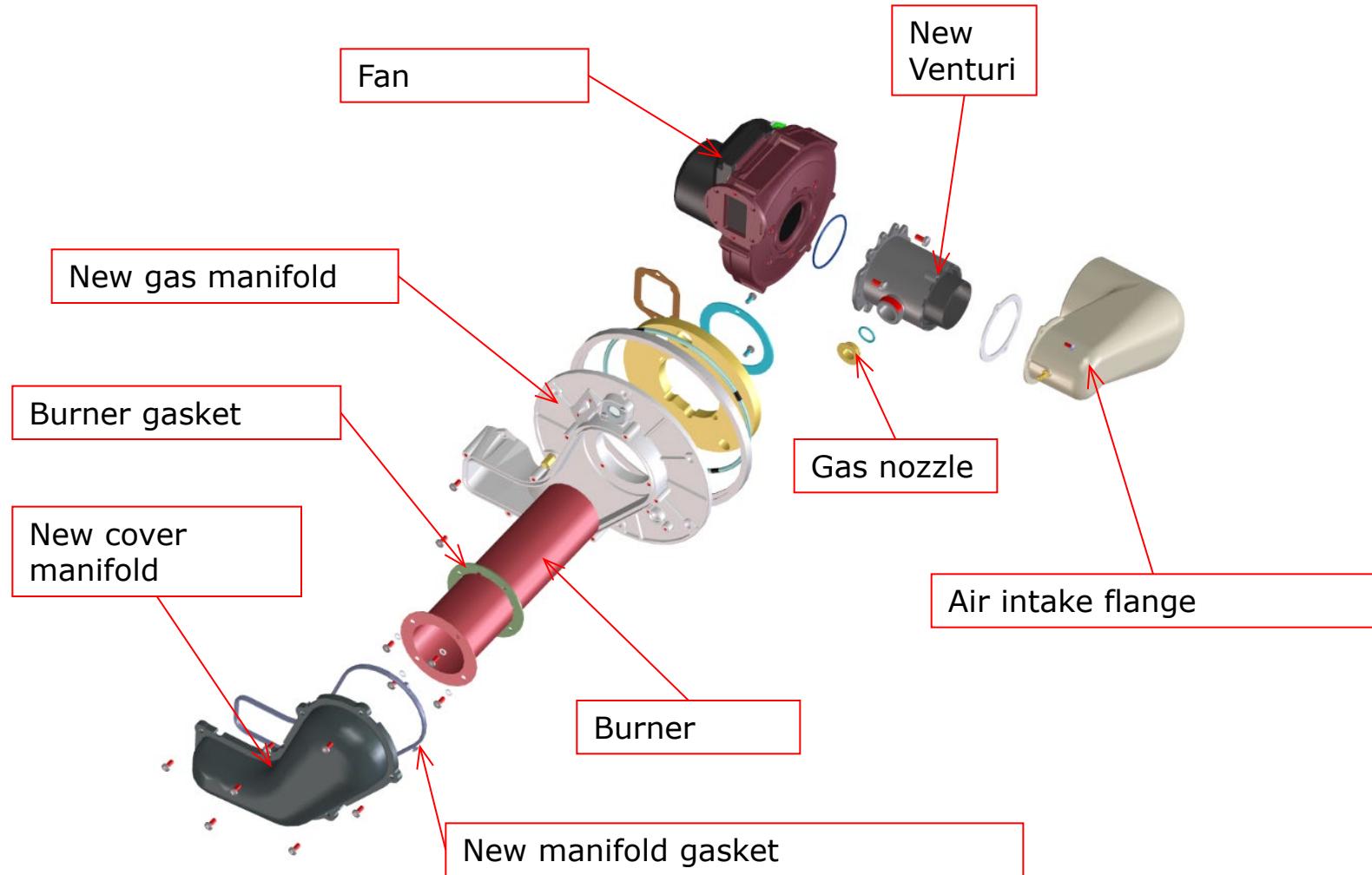
Combustion Group VICTRIX PRO 35 and 55



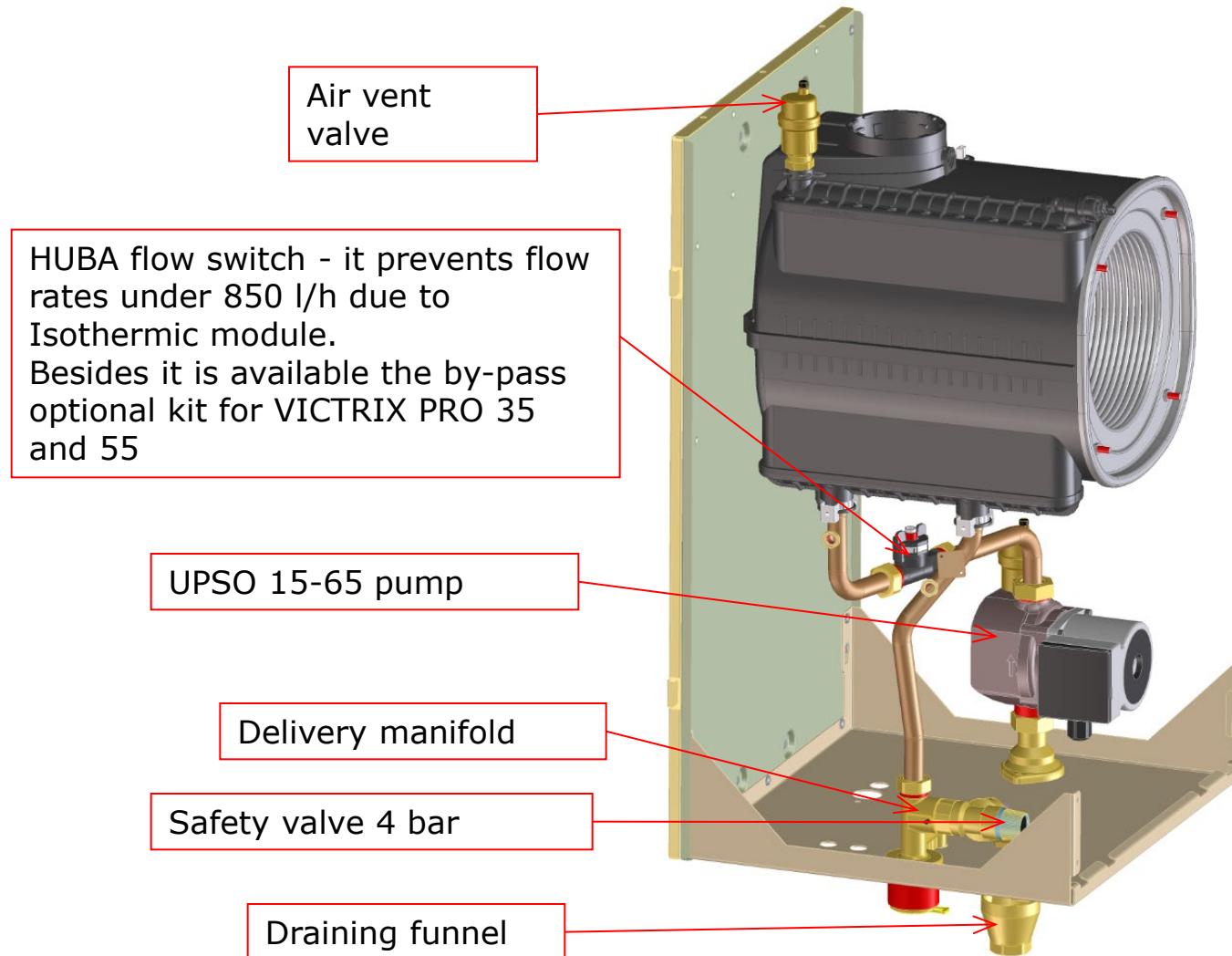
Combustion Group VICTRIX PRO 80, 100 and 120



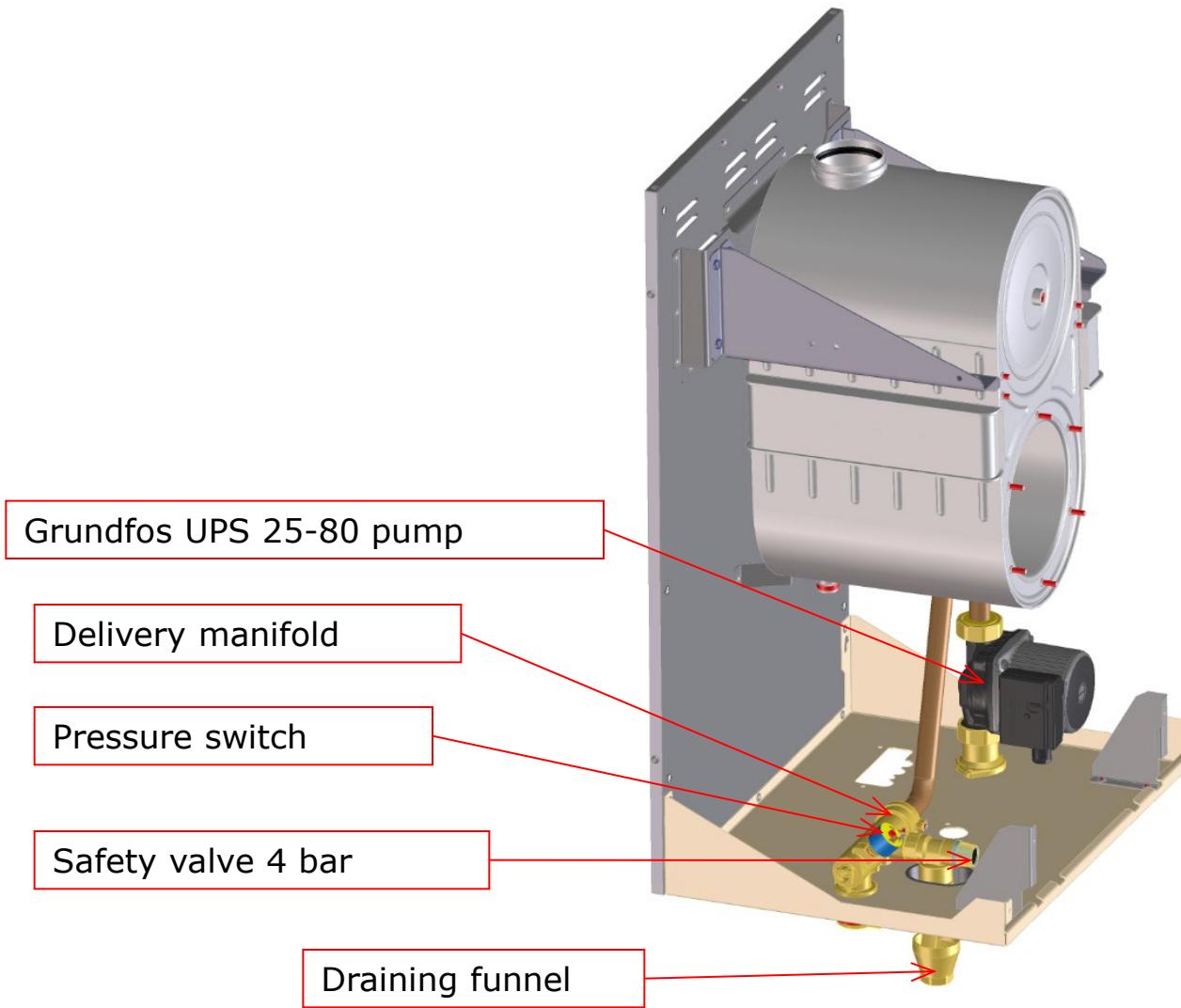
Combustion Group VICTRIX PRO 80, 100 and 120



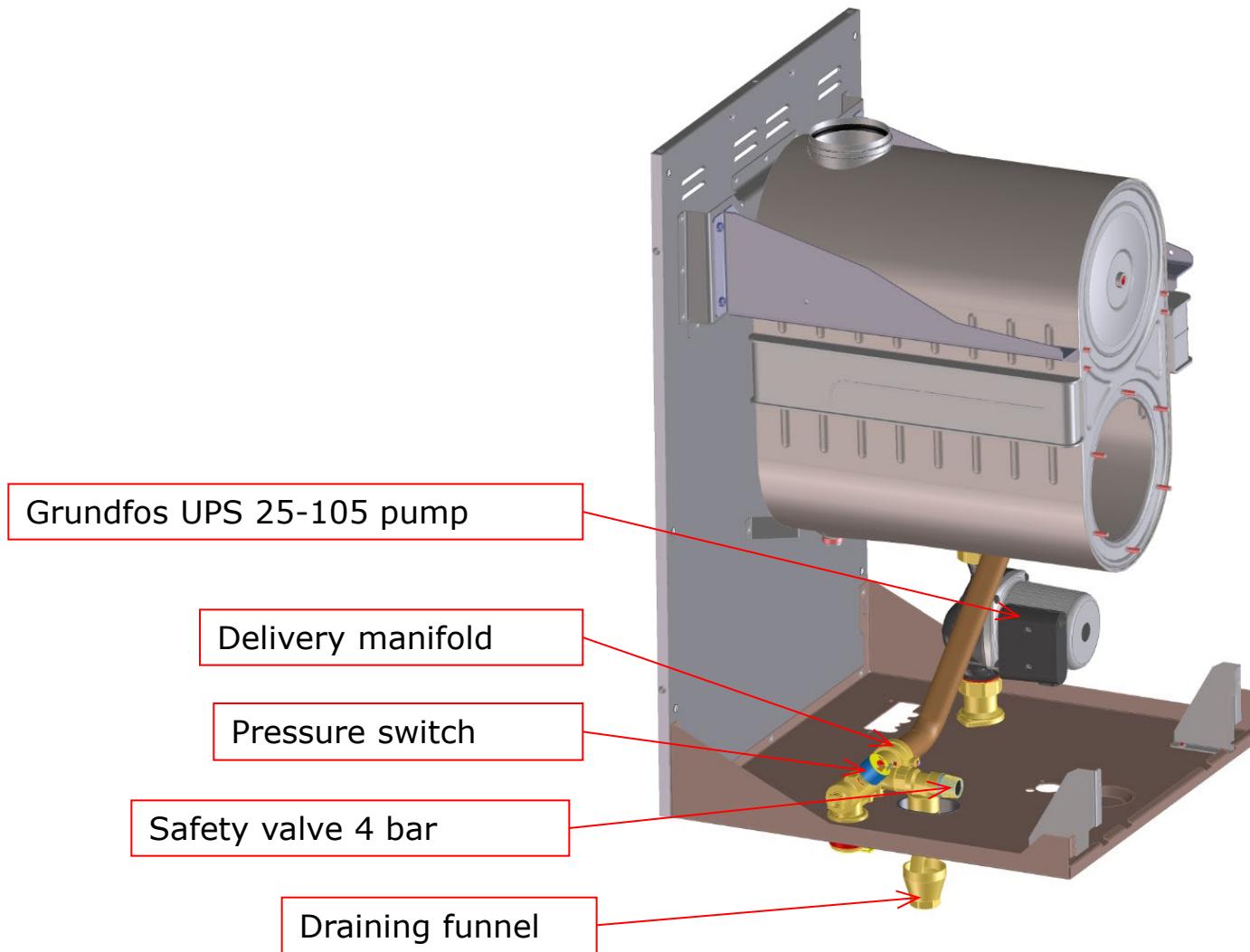
Hydraulic Group VICTRIX PRO 35 and 55



Hydraulic Group VICTRIX PRO 80



Hydraulic Group VICTRIX PRO 100 and 120



Modulation Range

Compared to the current range, the new boilers will have a wider modulation range and, consequently, an higher seasonal efficiency:

	Current range	New Range
VICTRIX PRO 35	-	from 10 to 100%
VICTRIX PRO 55	from 20 to 100%	from 10 to 100%
VICTRIX PRO 80	from 25 to 100%	from 10 to 100%
VICTRIX PRO 100	from 25 to 100%	from 10 to 100%
VICTRIX PRO 120	from 26 to 100%	from 10 to 100%



New Electronic board



The new electronic board has similar characteristics to the current one; it is compatible with main thermoregulation devices included in the list price (Cascade and zone regulator kit, Zone Manager kit, Modulating room thermostat kit).

With the new electronic board it is possible to manage - without the cascade and zone regulator kit - a system pump and a system flow probe (to be positioned after the hydraulic separator). In this case, the **system delivery probe kit (for the boiler) is available – code 3.024245.**

Thanks to new electronic board it is also possible to manage an "**easy cascade**", without the Cascade regulator kit (with at maximum 2 boilers).

The "**easy cascade**" allows the management of:

- One 3 way valve or one pump for the DHW production;
- One system pump and one system delivery probe, for one direct heating circuit (no additional mixed or direct zones).



Optional kit

Cascade and zone regulator kit	3.015244
Zone manager kit	3.015264
Wall box kit for cascade and zone regulator	3.015265
Modulating room thermostat	3.015245
Remote control for single boiler	3.020358
External probe kit (for the boiler)	3.015266
External probe kit (for the Cascade and zone regulator)	3.024511
Flow probe kit (for the Cascade and zone regulator)	3.015267
System delivery probe kit (for the boiler)	3.024245
Storage tank sensor kit	3.015268
Anti freeze protection kit -15 °C	3.024513
Solar collector temperature probe kit	3.019374
Tele-management kit (wired or GSM)	3.024244



Tele-management Kit



**Tele-management kit (wired or GSM) – code 3.024244
(New)**

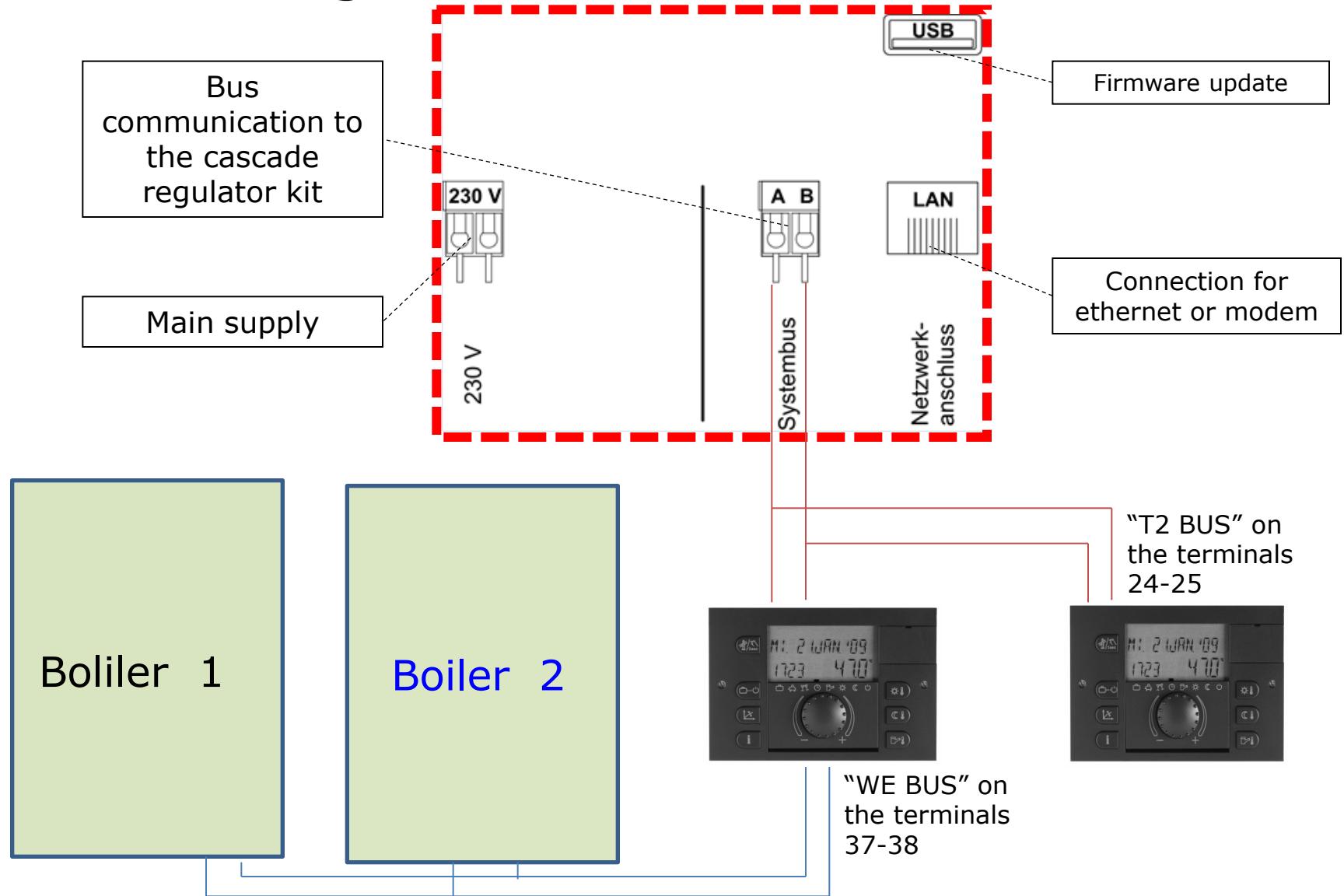


Tele-management Kit

- The Tele-management device must be connected to cascade and zone regulator kit code 3.015244 (not directly to the boiler), with SW version equal or higher than 3.0 (released about 2 years ago);
- The system can be connected through ethernet/factory network or through an ADSL router/modem for communication via web;
- In case of local network, the connection is done through Internet Explorer by typing the device IP address;
- In case of remote control, it is necessary to register the device on EBV portal (www.controlyourhome.eu) in order to connect the device from any PC. Only through the EBV portal it is possible to set, in case of anomaly, an e-mail forwarding to address(es) provided in the registration phase; the mail reports the Error Code



Tele-management kit – Connections



At maximum 5 cascade and zone regulators



Parameters set-up

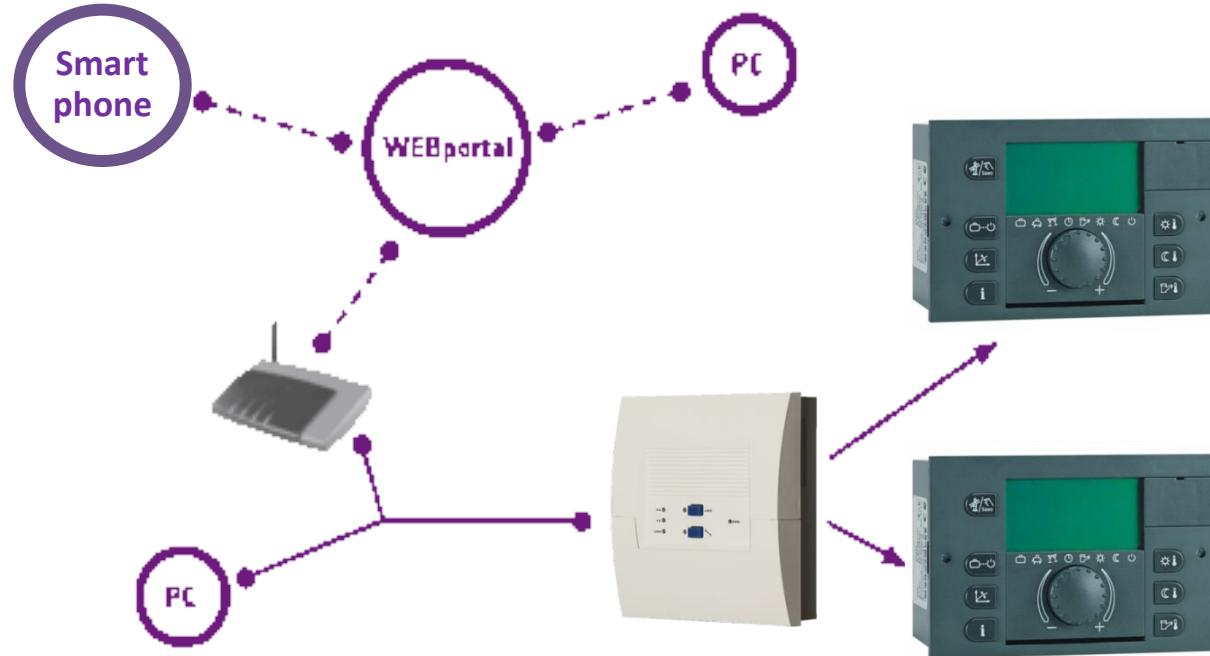
- The tele-management software has programming menus analogous to cascade regulator ones; it is possible to visualize/modify all regulator parameters.



Tele-management kit

GSM/GPRS connection

- When ADSL connection is not available, the gateway can be connected to a GSM router (GSM modem with SIM card – not supplied by Immergas) in order to use the GSM/GPRS network for the connection to EBV web portal.



Installation

The new VICTRIX PRO models are homologated for external installation even in open areas (electric insulation IPX5D).

Standard anti-freeze protection up to -5° C
(-15° C with optional kit)



Single Installation

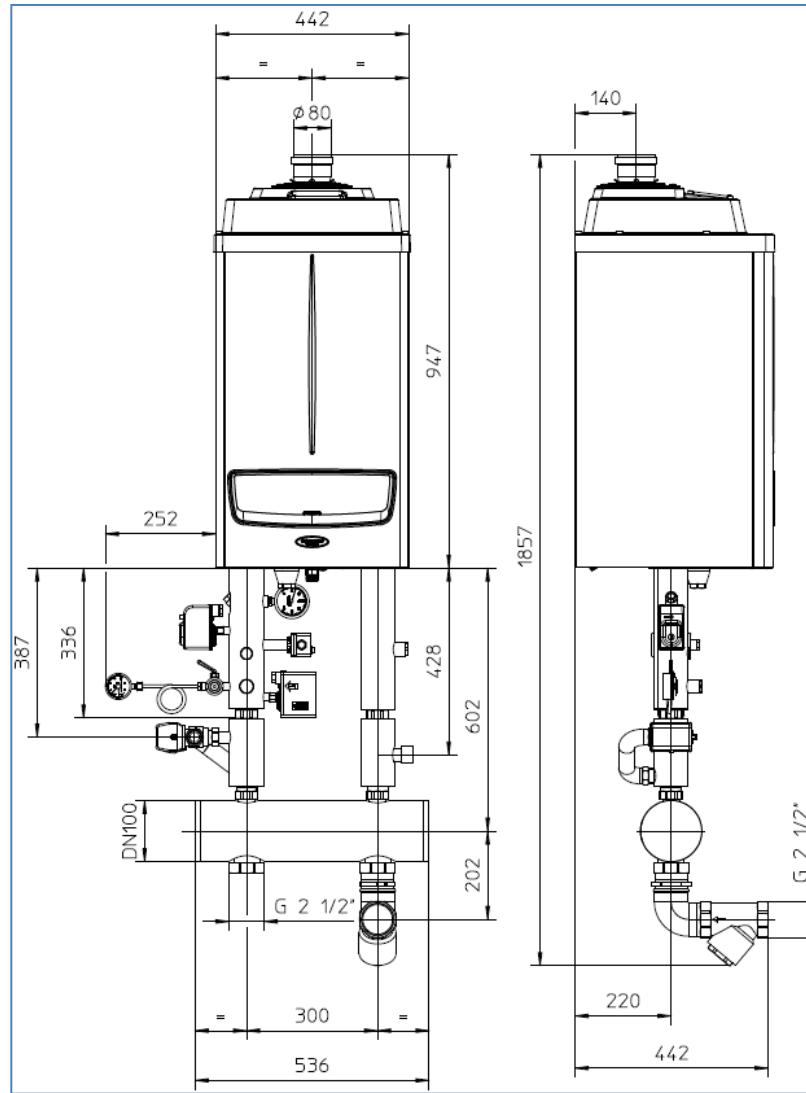


Hydraulic kits for single boiler installation



VICTRIX PRO

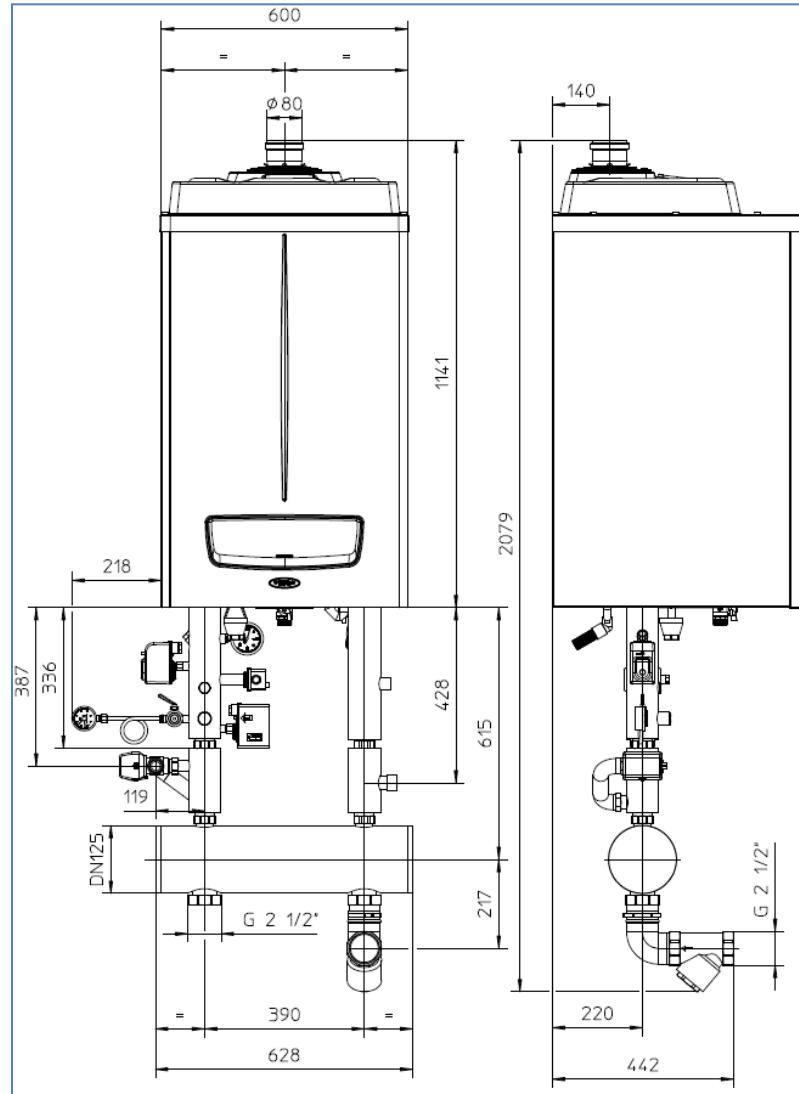
35-55



Hydraulic kits for single boiler installation

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VICTRIX PRO
80-100-120

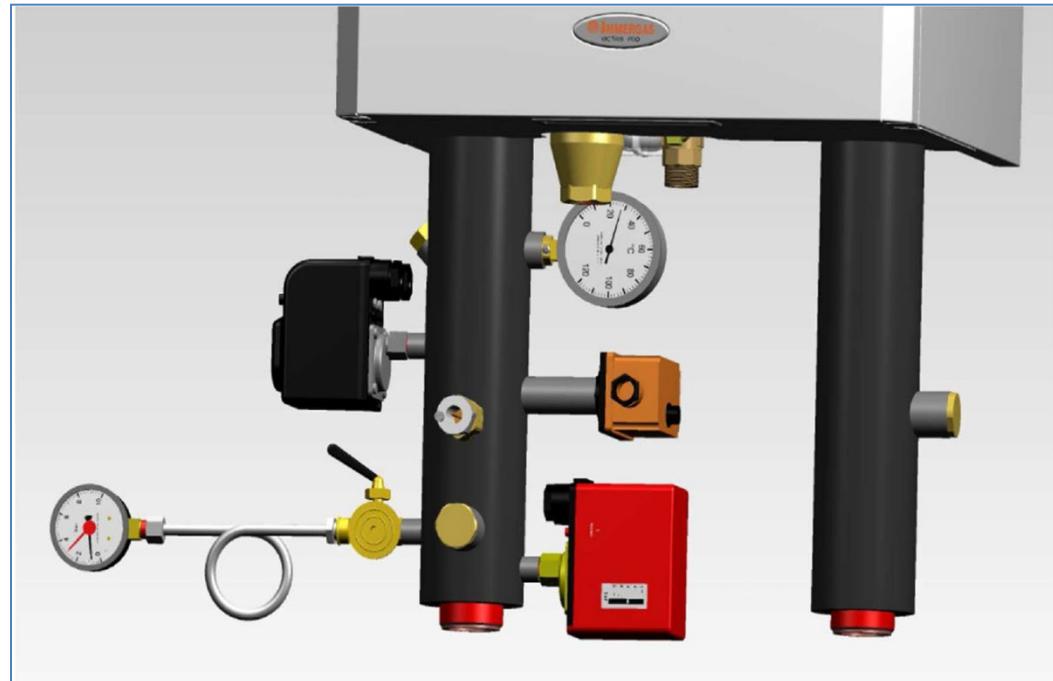


Safety kit for single VICTRIX PRO 35-55-80-100-120
code 3.023949 (**NEW**)



Including:
thermometer, thermometer
trap, thermostat with manual
reset, tap for pressure
gauge, pressure gauge,
manual reset pressostat, gas
intercepting valve trap and
expansion vessel connection.

The kit includes also the
minimum pressostat.



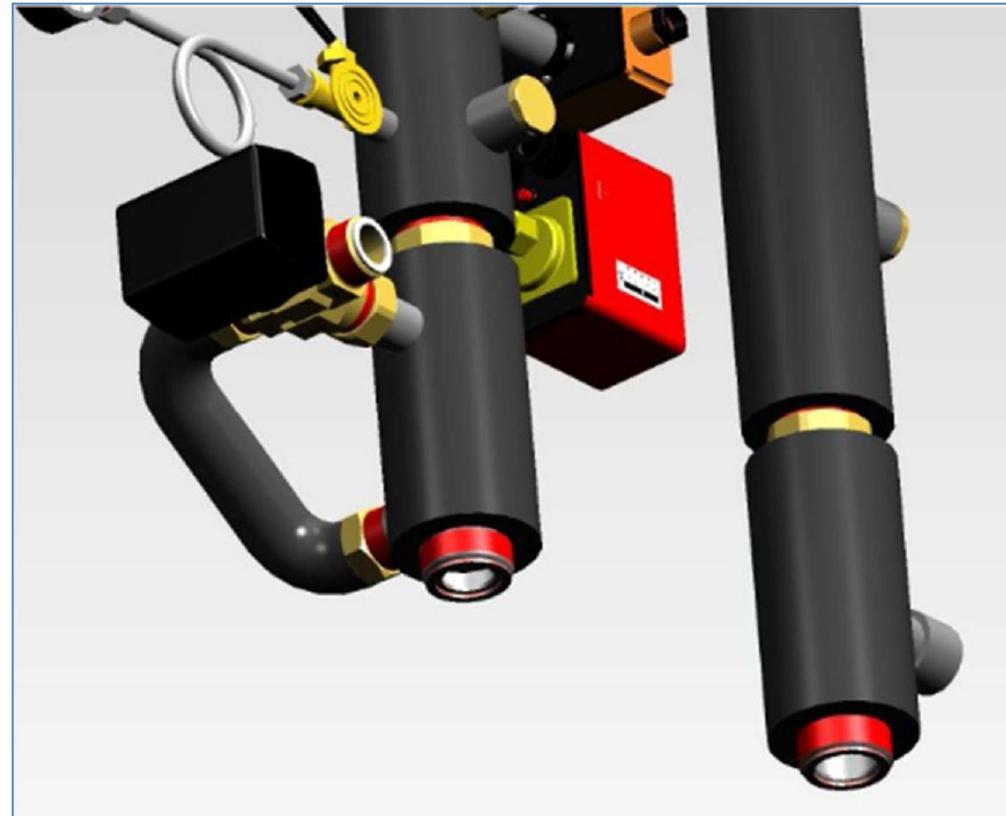
Three way valve connection kit for separate storage tank VICTRIX PRO 35-55-80-100-120 / code 3.023950 (**NEW**)



Three way valve kit for connecting a separate storage tank.

Inside in the kit, there is the probe tank.

The valve supply is 230 V



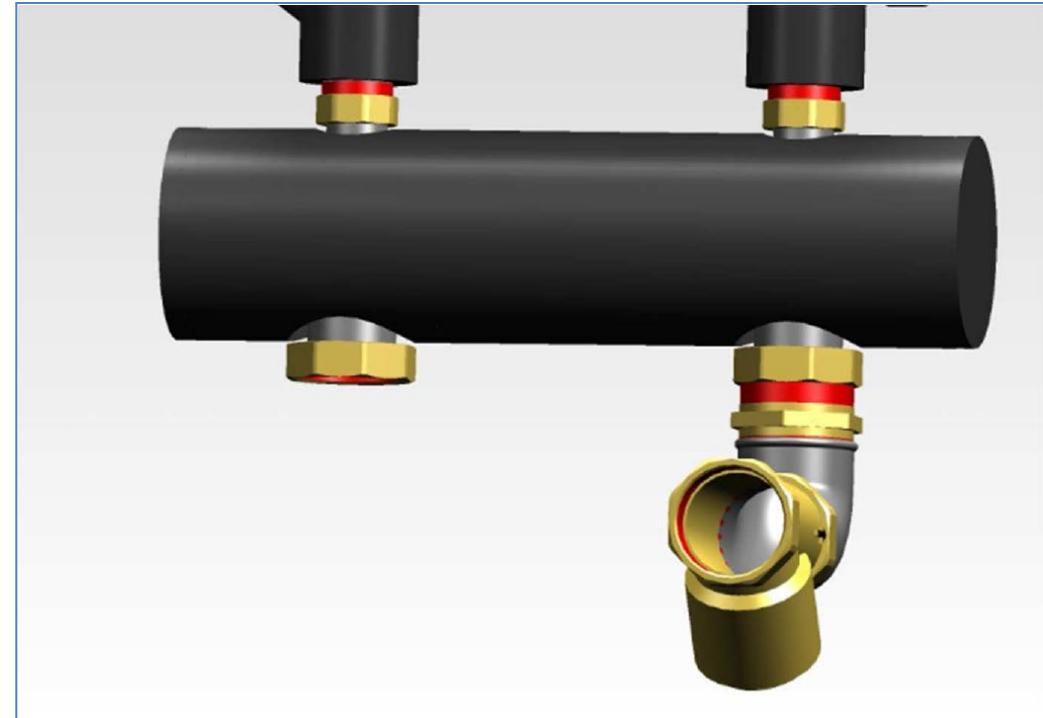
Hydraulic manifold kit VICTRIX PRO 35-55

code 3.023951 **(NEW)**



It includes a mud filter
on the return pipe;
New manifold
cylindrical shape.

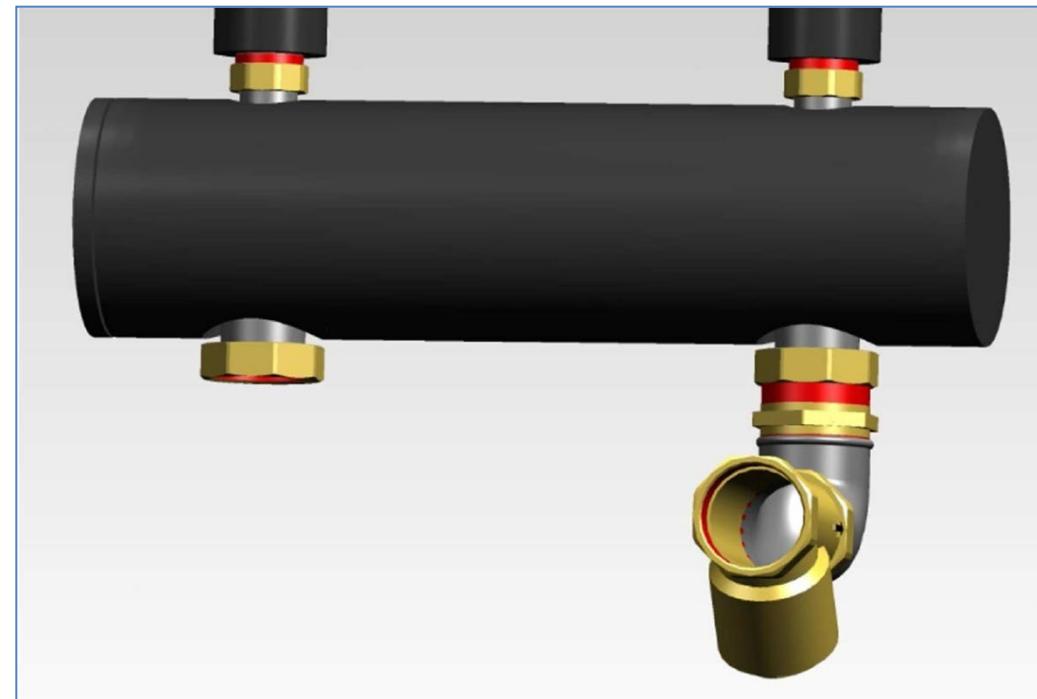
It is supplied as
standard with insulation



Hydraulic manifold kit VICTRIX PRO 80-100- 120 / code 3.023952 (**NEW**)

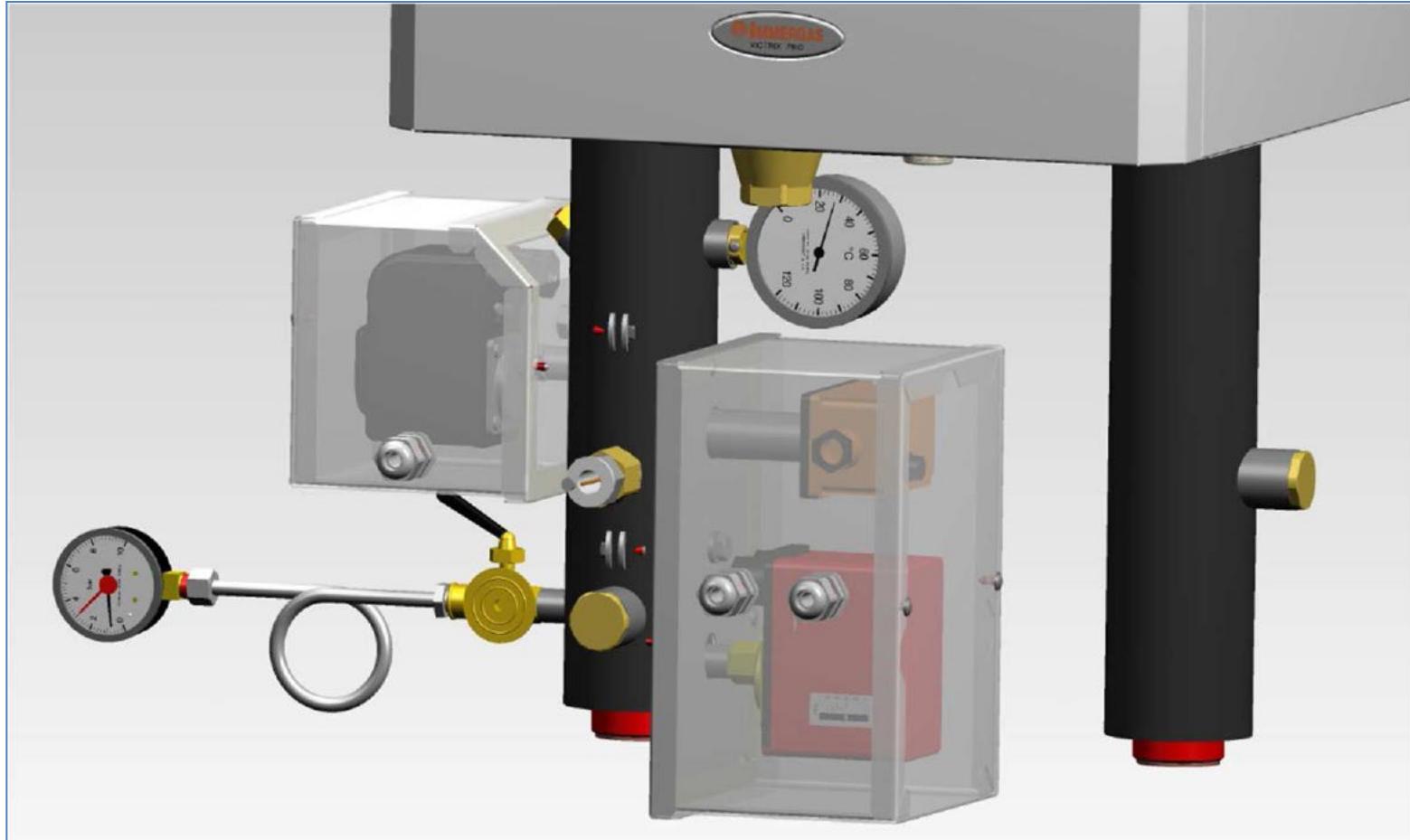
It includes a mud filter on the return pipe;
New manifold cylindrical shape.

It is supplied as standard with insulation



IPX4D protection box kit for single boiler safety kit / code 3.024028 (**NEW**)

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Cascade Installation



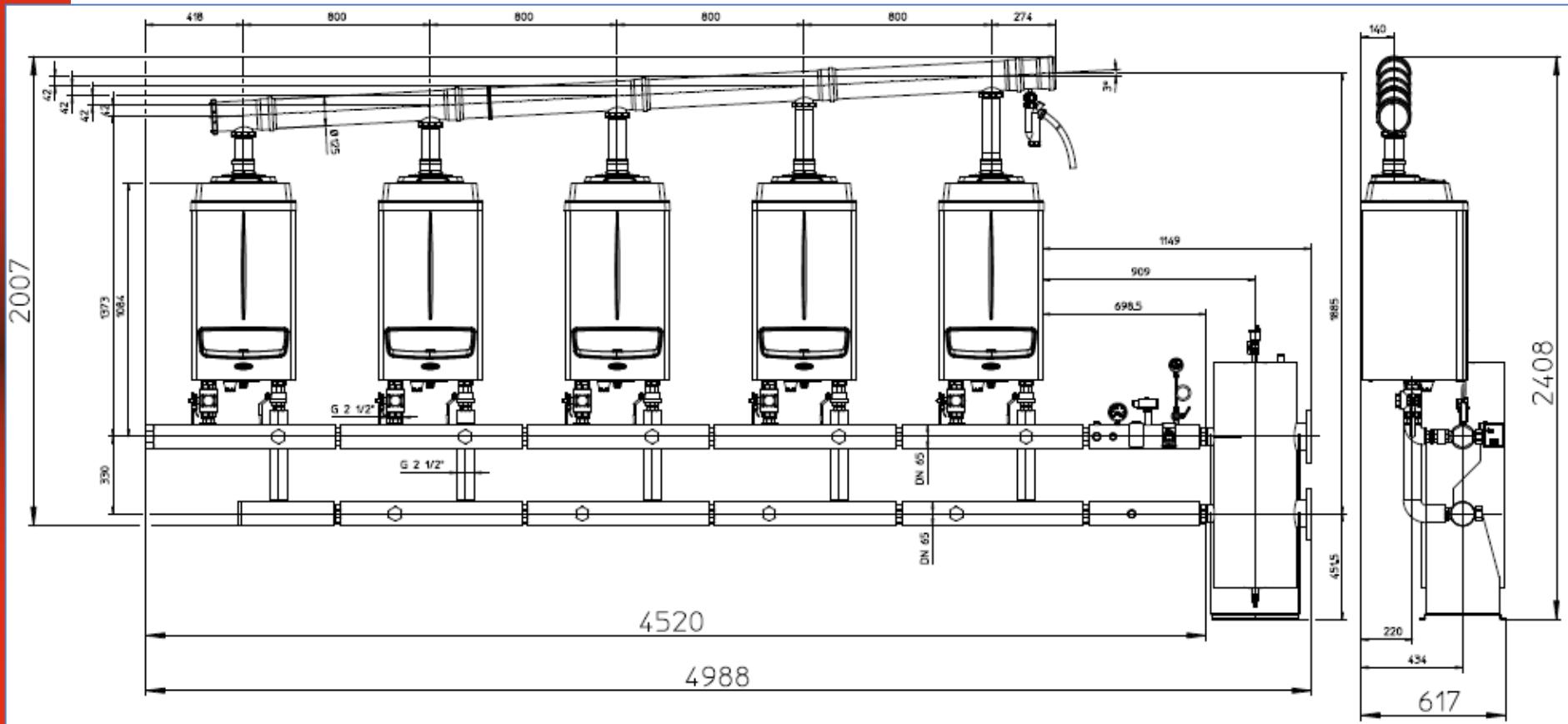
Cascade Installation



The new VICTRIX PRO models can be connected in cascade up to a maximum of **5 boilers with one safety kit**, positioned after the last generator

(today the maximum is 3 boilers)

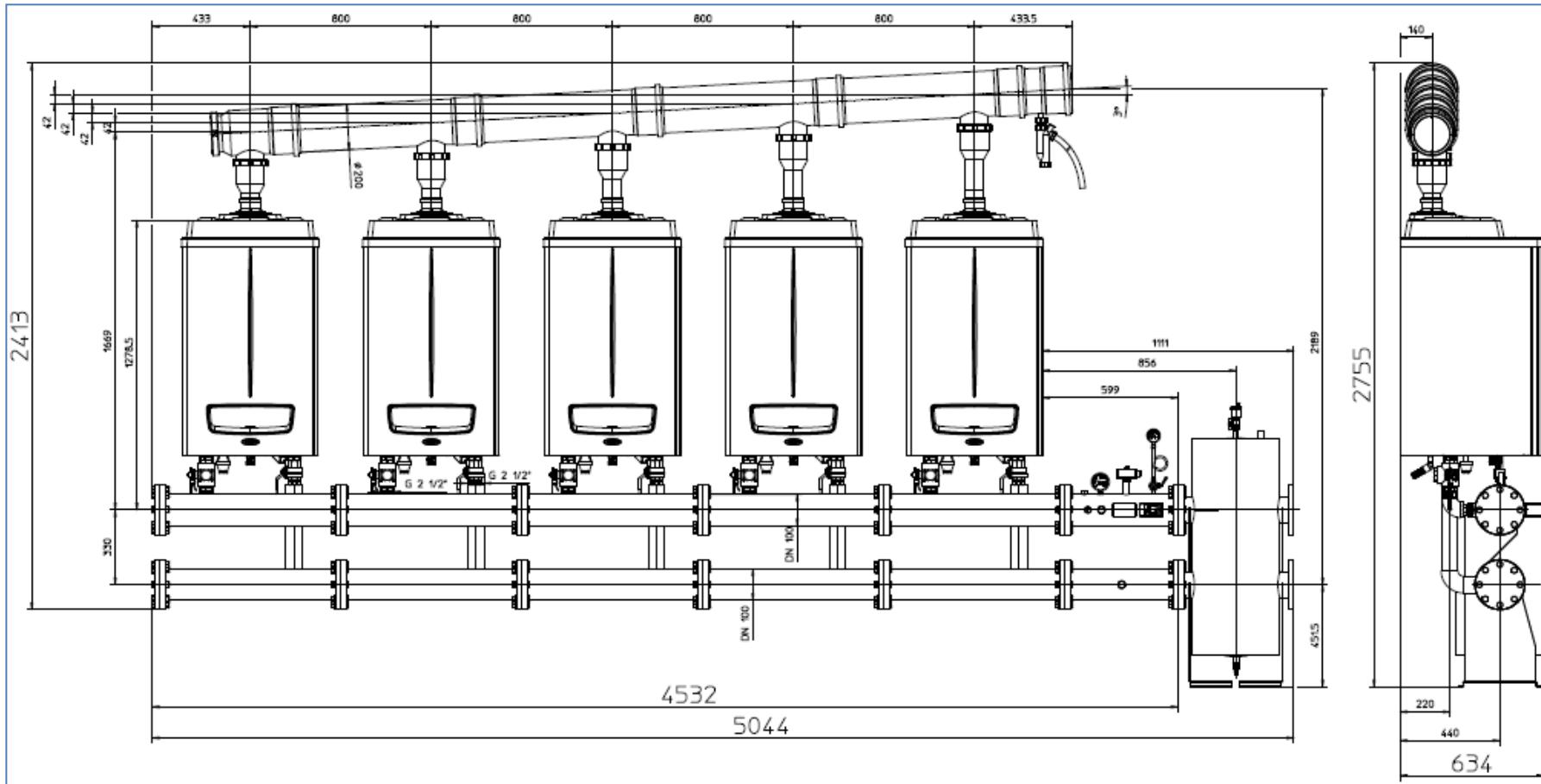
Cascade of 5 VICTRIX PRO 35/55 boilers



Cascade Installation



Cascade of 5 VICTRIX PRO 80-100-120 boilers



Hydraulic manifold kit G 2 1/2" for 2 VICTRIX PRO 35-55 in cascade / code 3.023953
(NEW)



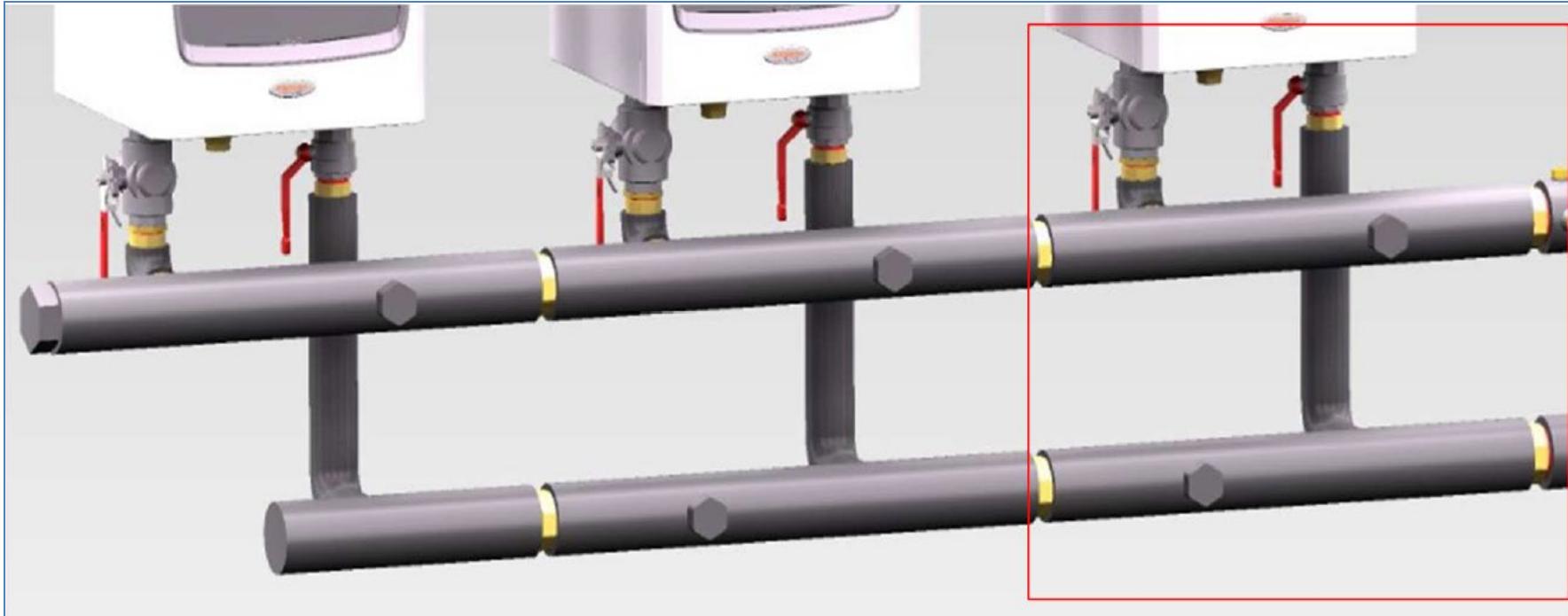
The new hydraulic manifolds are supplied as standard with insulation



Hydraulic manifold kit G 2 1/2" for additional
VICTRIX 35-55 in cascade / code 3.023954

(NEW)

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The new hydraulic manifolds are supplied as standard with insulation; **FOR
VICTRIX PRO 35-55 CASCADES UP TO 5 BOILERS THE MANIFOLD G 2 1/2"
IS USED**

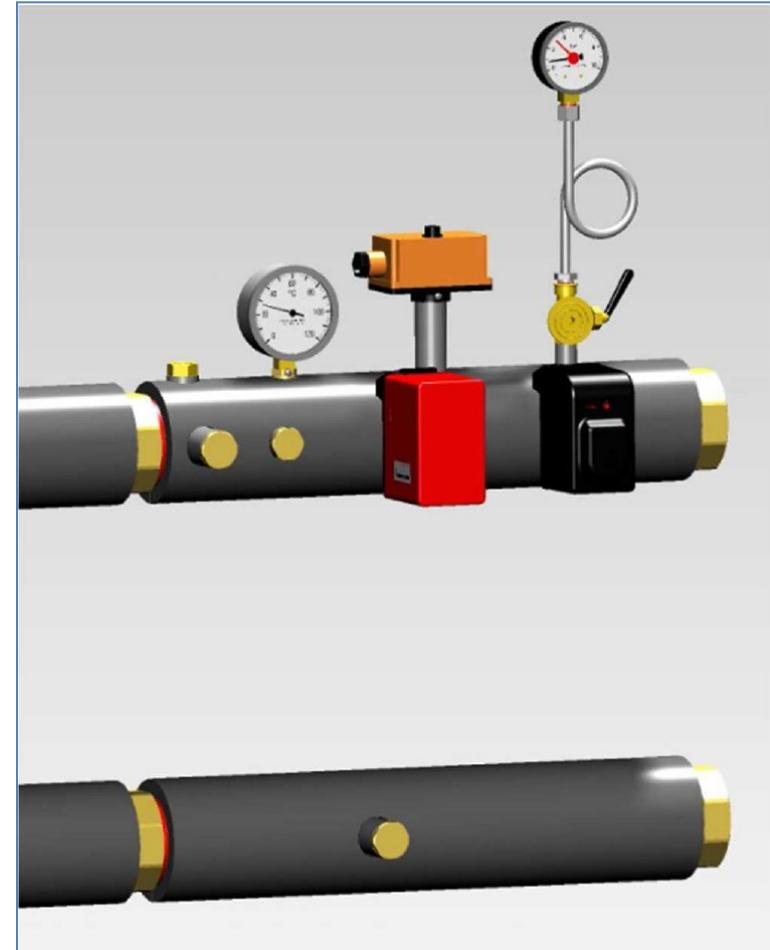


Safety kit G 2 1/2" for VICTRIX PRO 35-55 in cascade / code 3.023955 (**NEW**)

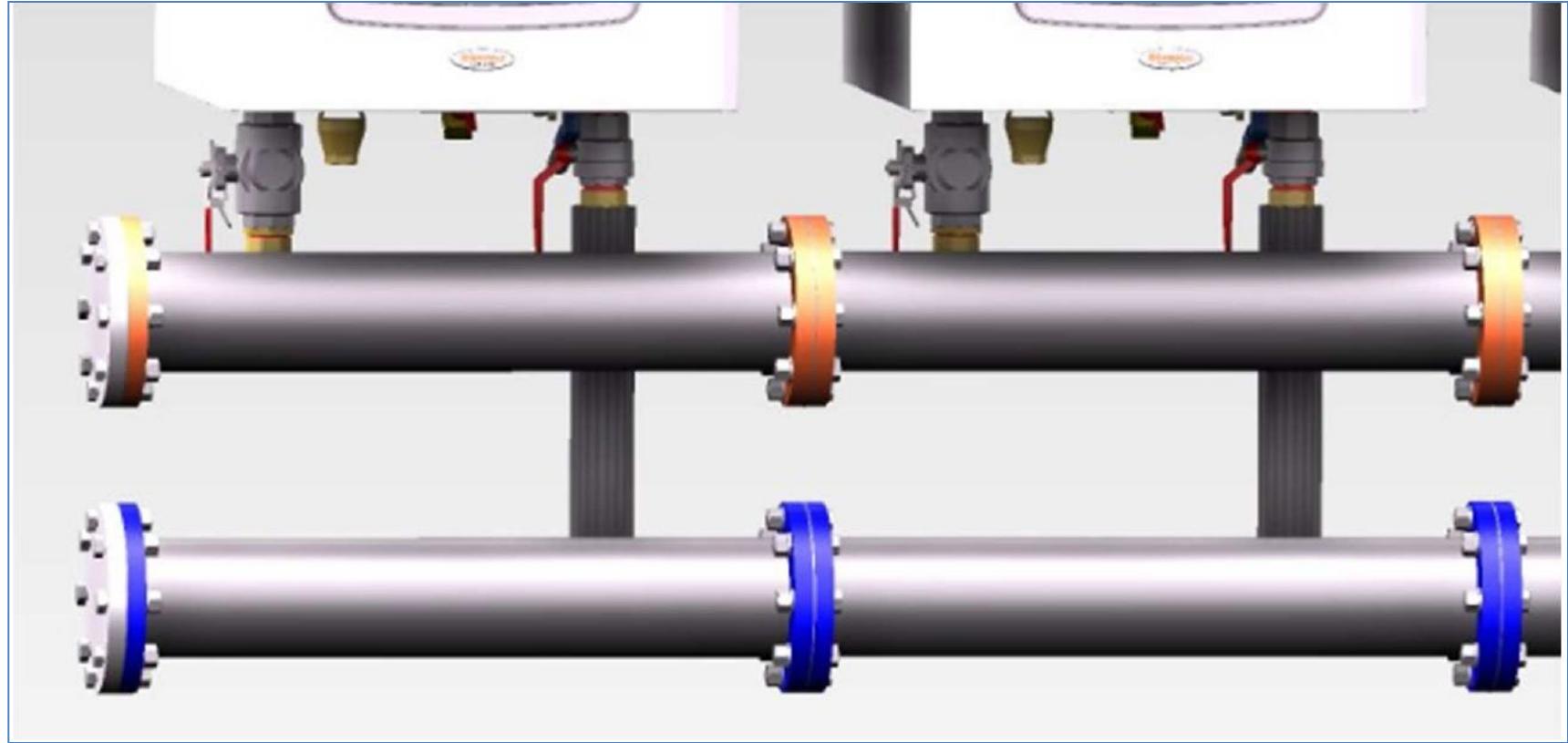
IMMERGAS

Also this kit includes the **minimum pressostat**.

Moreover the kit includes thermometer, thermometer trap, thermostat with manual reset, tap for pressure gauge, pressure gauge, manual reset pressostat, gas intercepting valve trap and expansion vessel connection.



Hydraulic manifold kit DN 100 for 2 VICTRIX PRO 80-100-120 in cascade / code 3.023959 (**NEW**)

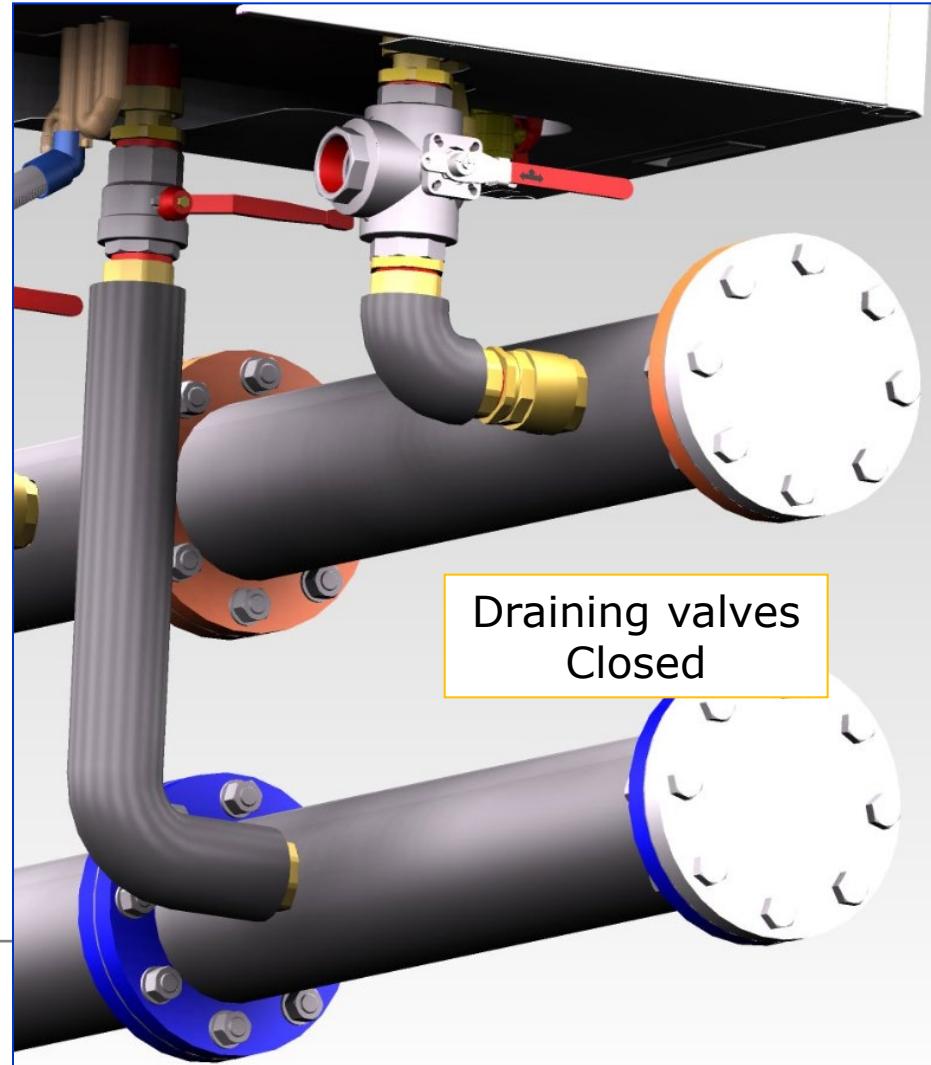
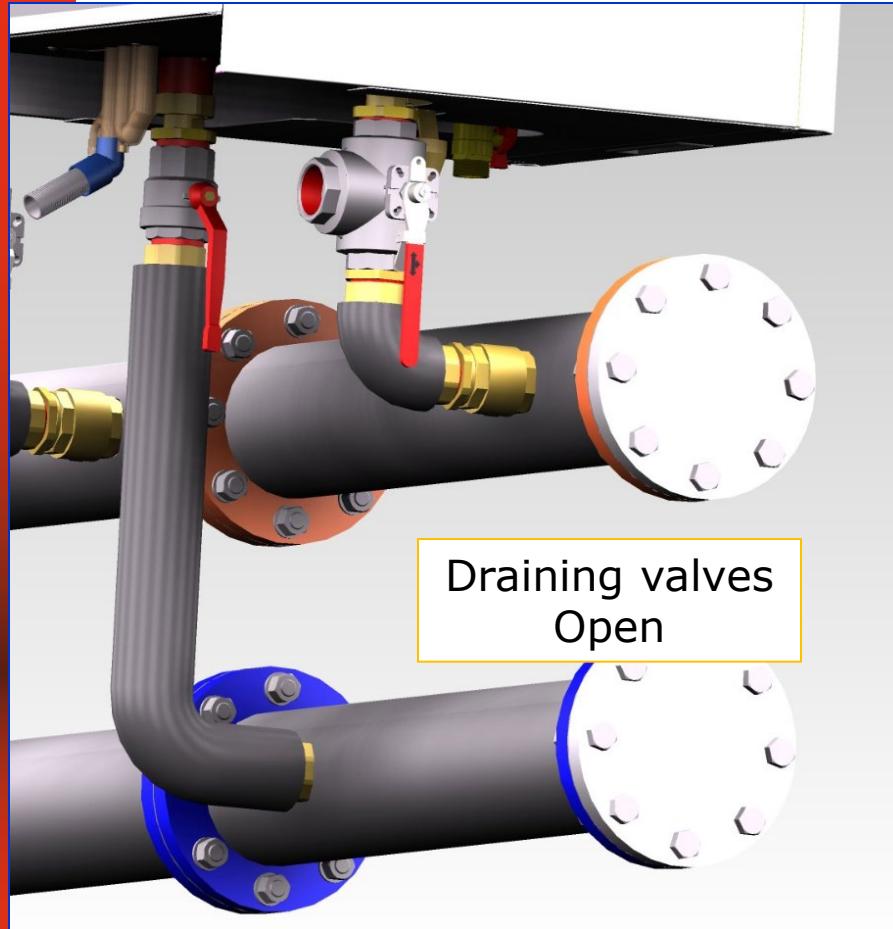


The new hydraulic manifolds are supplied as standard with insulation



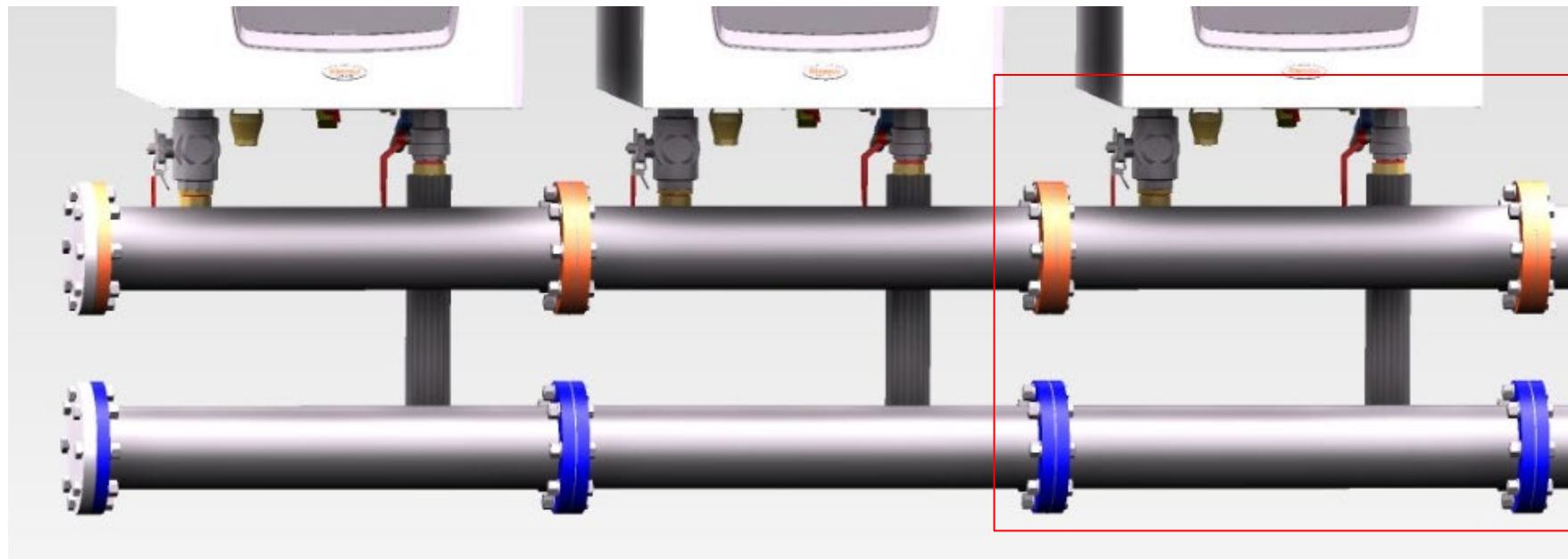
Hydraulic manifold kit DN 100 for 2 VICTRIX PRO 80-100-120 in cascade / code 3.023959 (**NEW**)

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Hydraulic manifold kit DN 100 for additional
VICTRIX PRO 80-100-120 in cascade
code 3.023960 **(NEW)**

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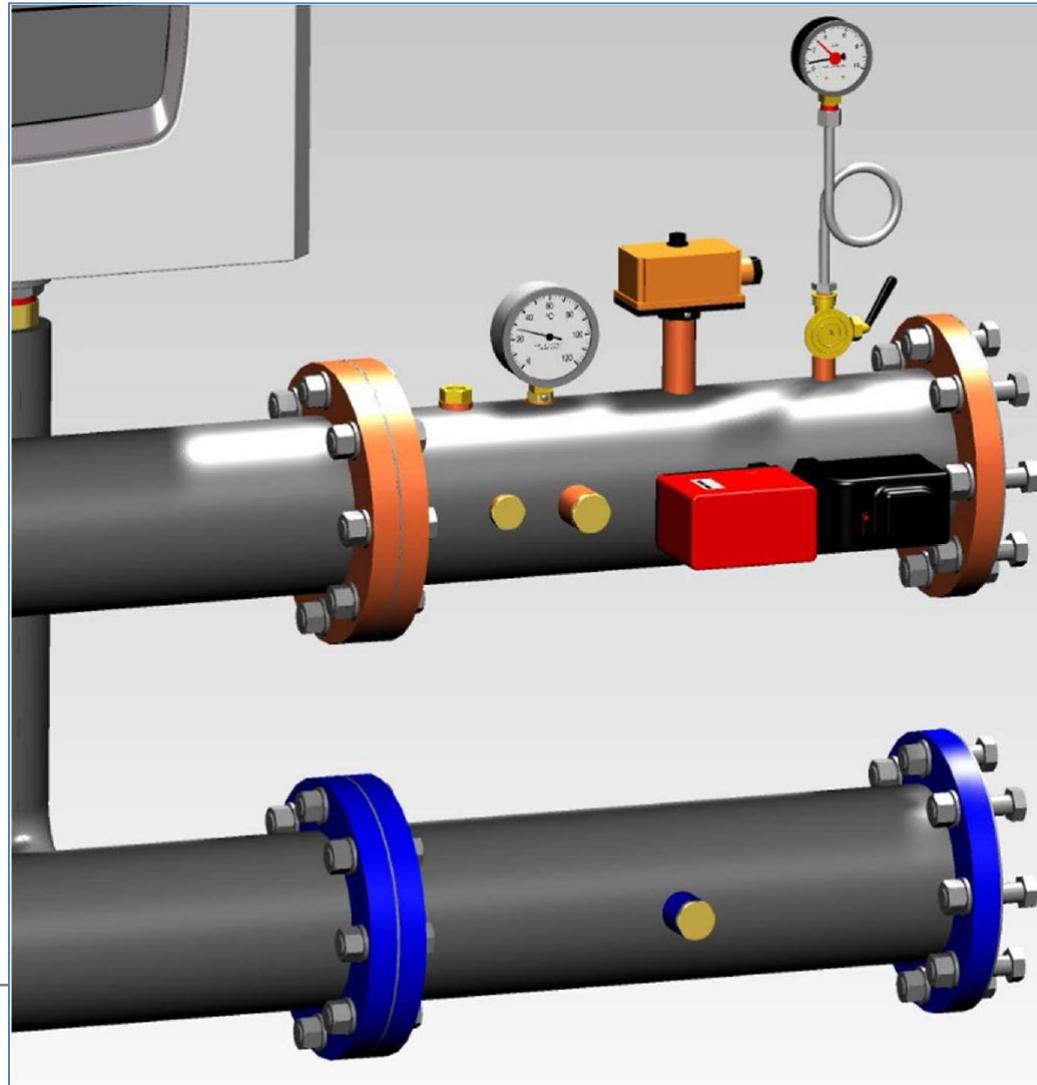


The new hydraulic manifolds are supplied as standard with insulation; **FOR**
VICTRIX PRO 80-100-120 CASCADES UP TO 5 BOILERS THE MANIFOLD
DN 100 IS USED



Safety Kit DN 100 for VICTRIX PRO 80-100-120 in cascade / code 3.023961 **(NEW)**

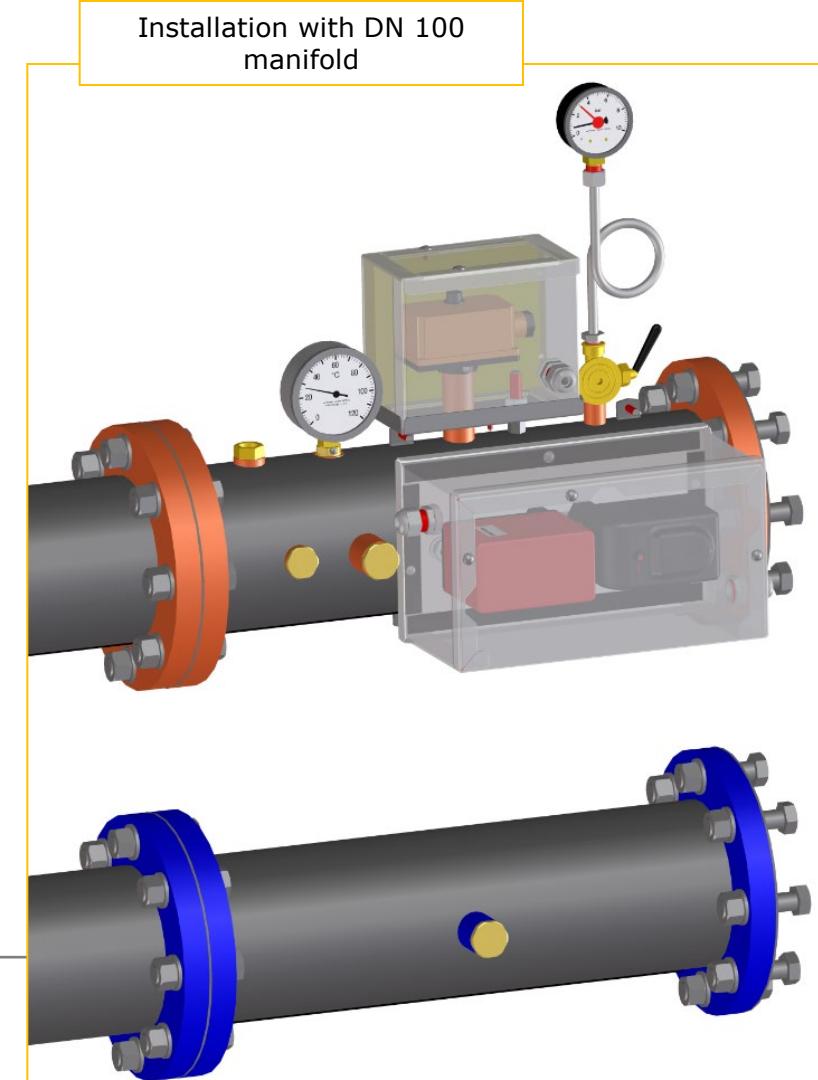
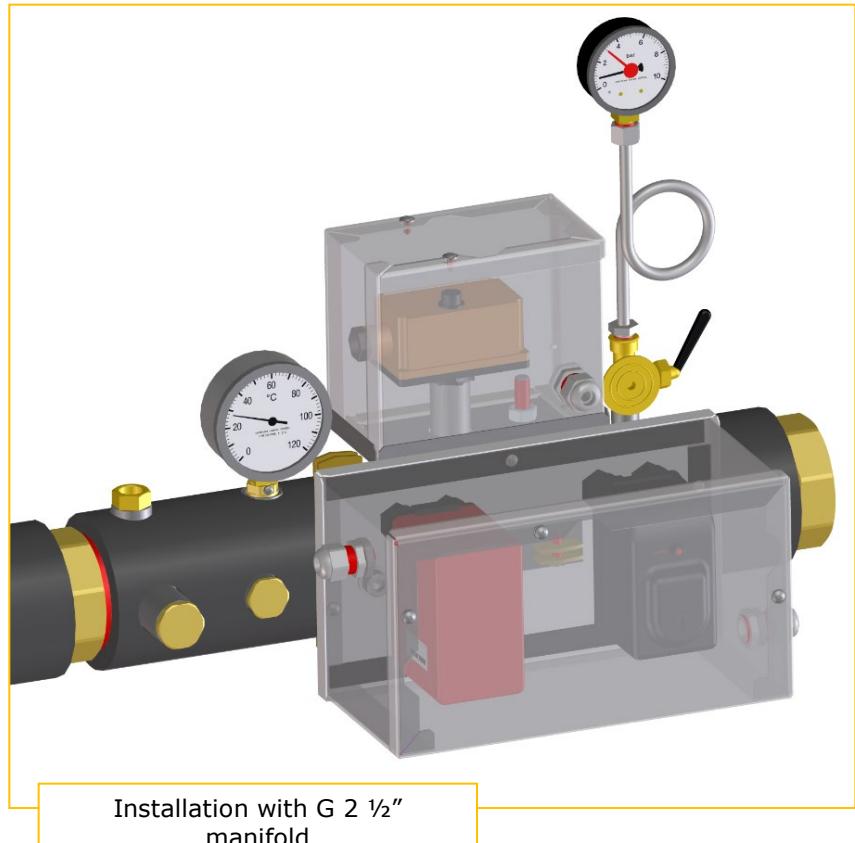
 **IMMERGAS**



Pre Sales Dept.



IPX4D protection box kit for cascade safety kit code 3.024038 (**NEW**)



Hydraulic separator for cascades

The hydraulic separator range has been increased, due to the increase of maximum boilers in cascade.

In addition to current kits:

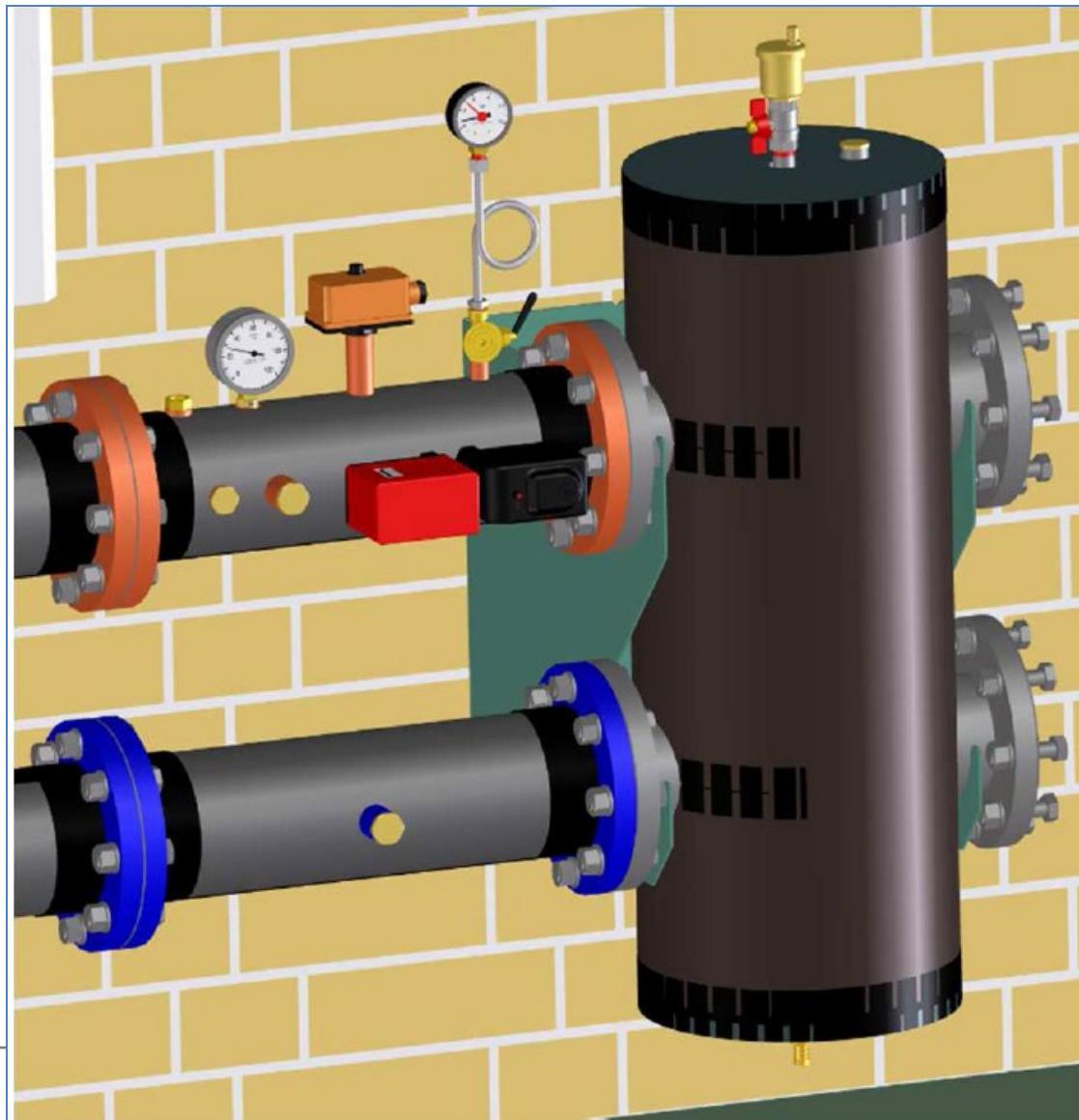
- Hydraulic separator for 100 kW cascades (3.020839),
- Hydraulic separator for 200 kW cascades (3.021377),
- Hydraulic separator for 400 kW cascades (3.021378)

the following ones have been added...

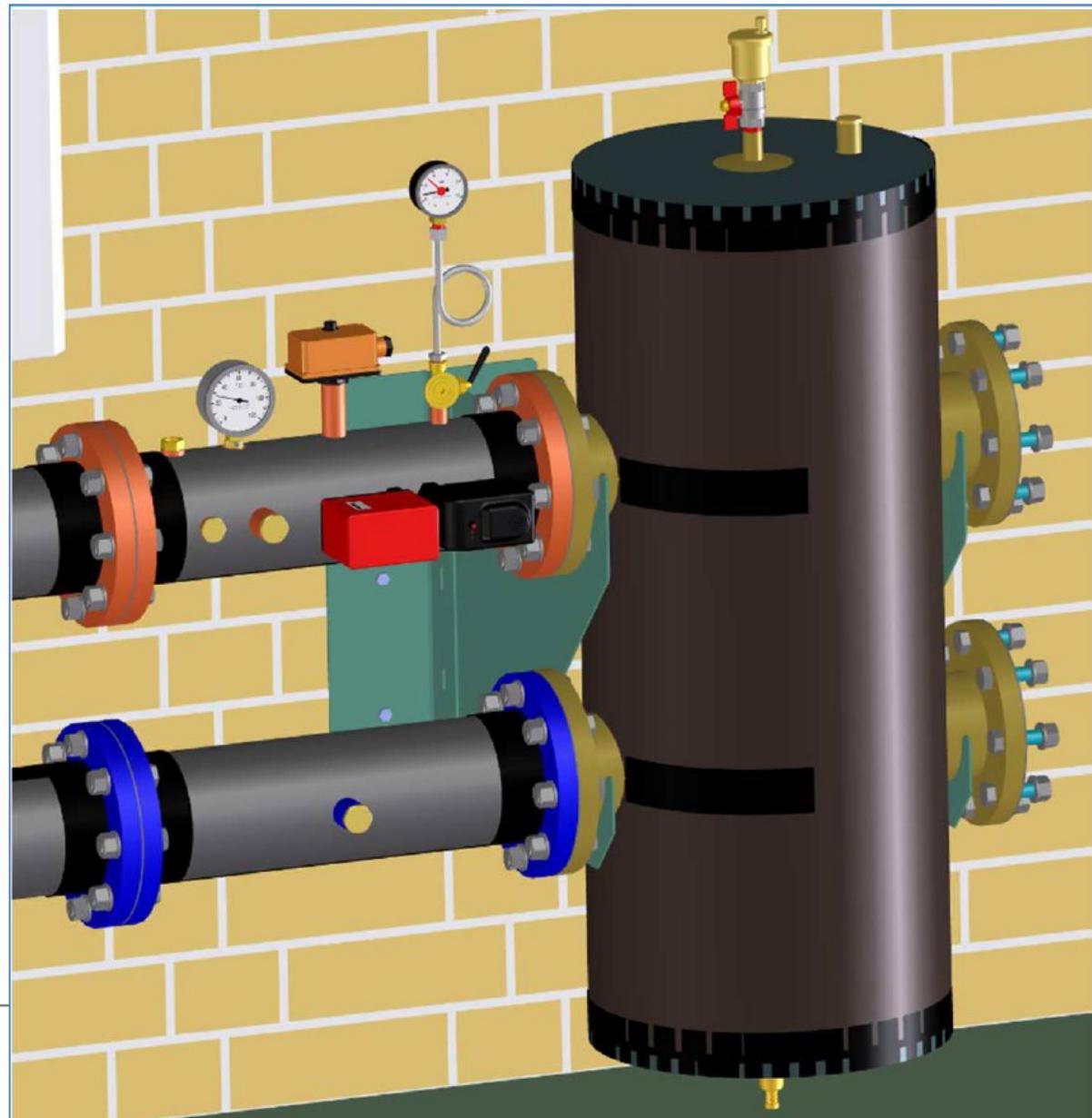


Hydraulic separator for 350 kW cascades DN 100

code 3.023965 **(NEW)**

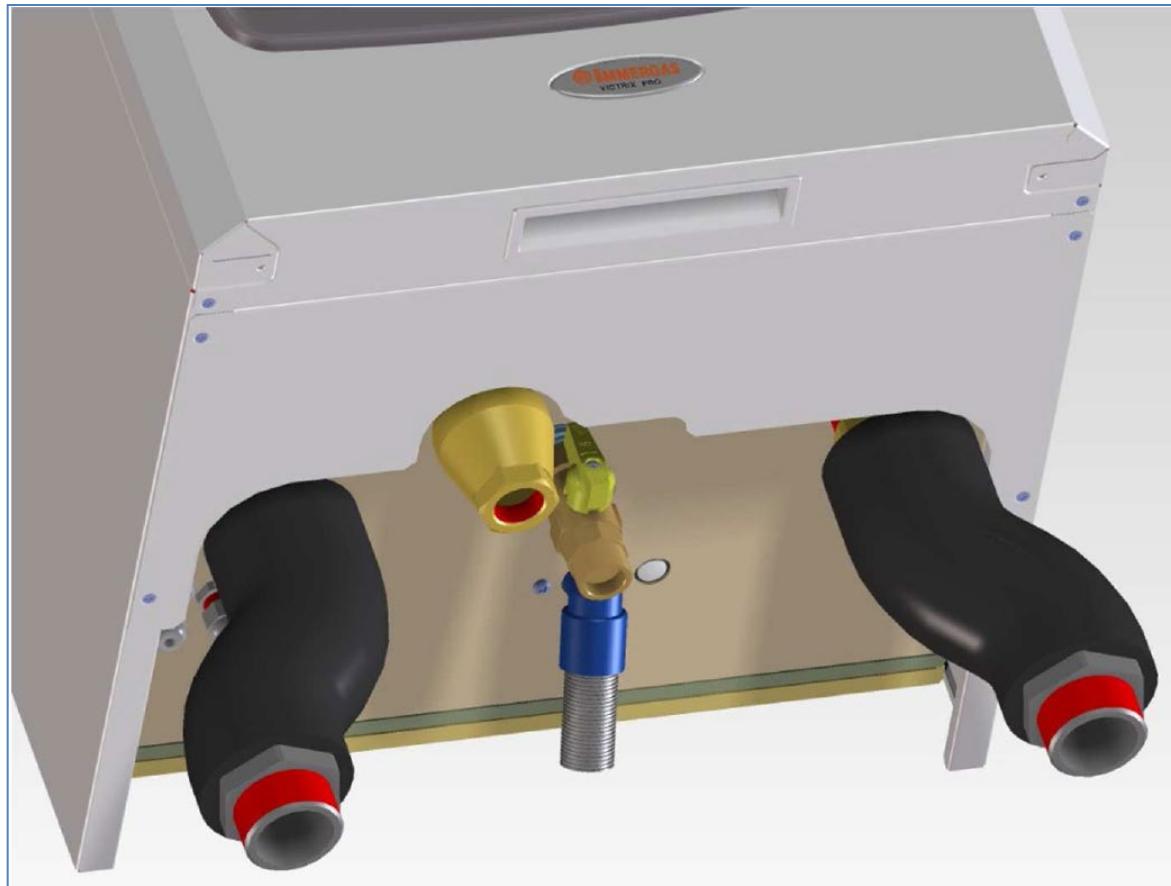


Hydraulic separator for 600 kW cascades DN 100 
code 3.023962 **(NEW)**



VICTRIX PRO 35-55 adapting kit for new hydraulic manifolds DN 100 code 3.023966 (**NEW**)

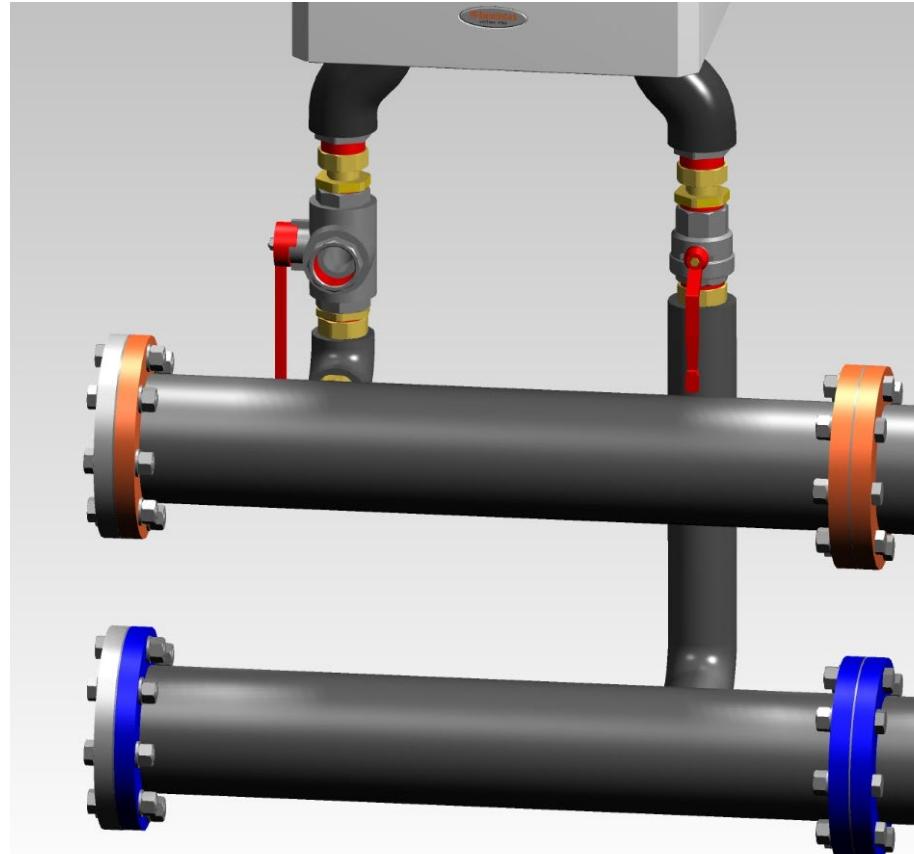
 **IMMERSAS**



VICTRIX PRO 35-55 adapting kit for new hydraulic manifolds DN 100 code 3.023966 (**NEW**)

 **IMMERGAS**

Suitable for new
hydraulic
manifolds DN 100
codes 3.023959 -
3.023960



**This adapting kit is used in case of MIXED CASCADES, with VICTRIX PRO 35-55
boilers together with VICTRIX PRO 80-100-120 models.**



Free-standing support frame

A market request is to install the boilers (single or cascade installations) with free-standing support frames.

This request has 2 main reasons:

- Installation in old technical room: sometimes the old floor standing boilers are positioned in the center of the technical room;
- Not suitable walls: not always the technical room walls are plane and not always it is possible to drill the wall for hanging the boiler.



Free-standing support frame



A new kit is now available:

“FREE-STANDING” SUPPORT FRAME KIT VICTRIX PRO – CODE 3.024246 (NEW)

which allows the installation of one or more VICTRIX PRO, without hanging the boiler directly on the wall.

The system is modular and flexible: only one code, to be ordered in multiples, according to the number of boilers.

With this kit is possible to install the boilers in line or back-to-back; the support frame includes also the support collars for the hydraulic manifolds.

The frame can be fixed to the wall or only to the floor through dowels. It is suitable also for external installation in open areas.

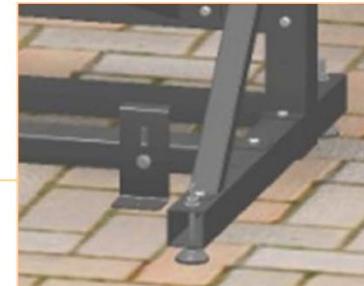


Free-standing support frame kit

Total support frame height is about 2,2 meters



Slots for the gas collector and the draining condensate collector (the fixing collars are not included because the diameters are calculated by the technician)



Free-standing support frame kit

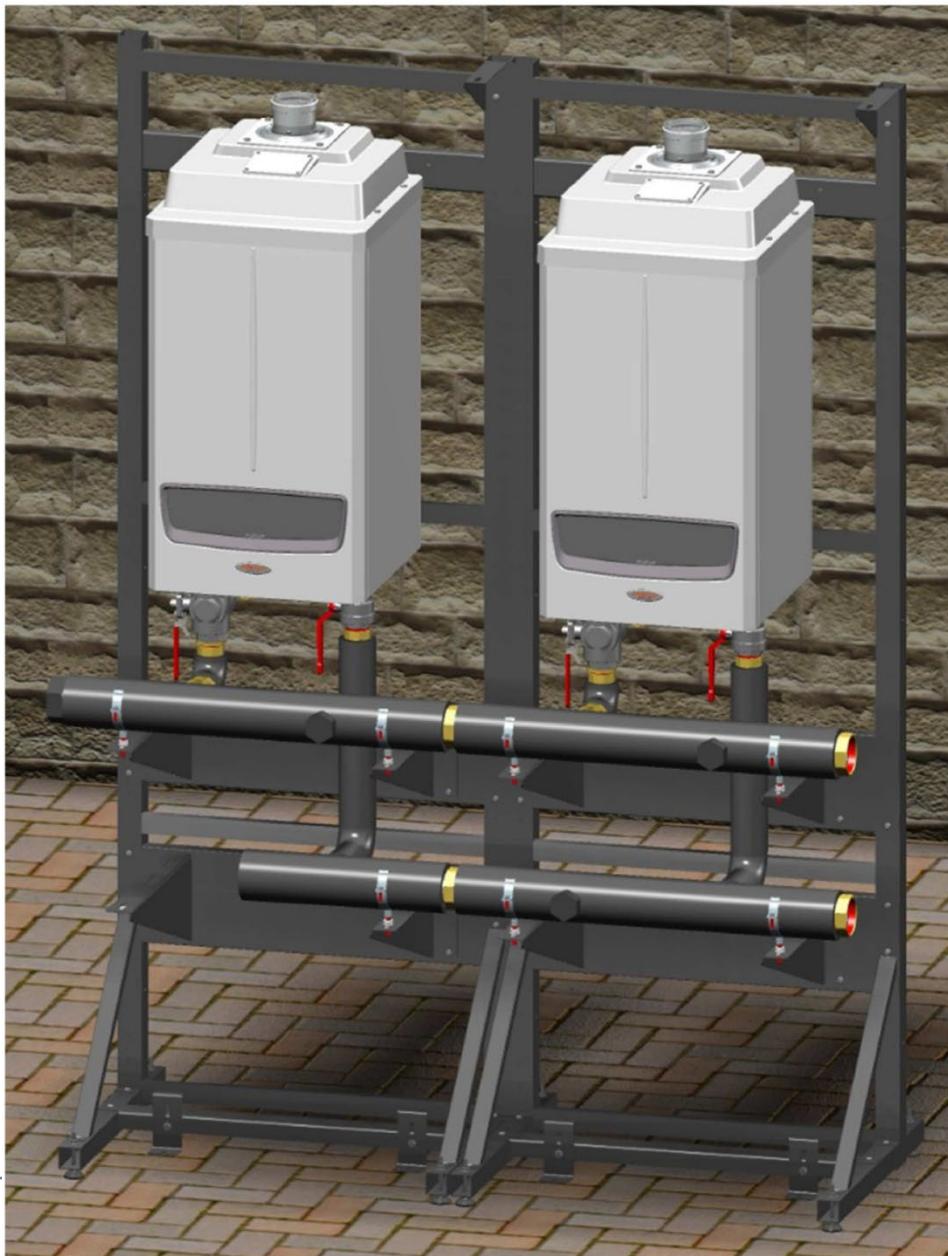


Pre Sales Dept.

Victrix 35-55



Free-standing support frame kit



Pre Sales Dept.

Victrix 35-55



Free-standing support frame kit

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Pre Sales Dept.

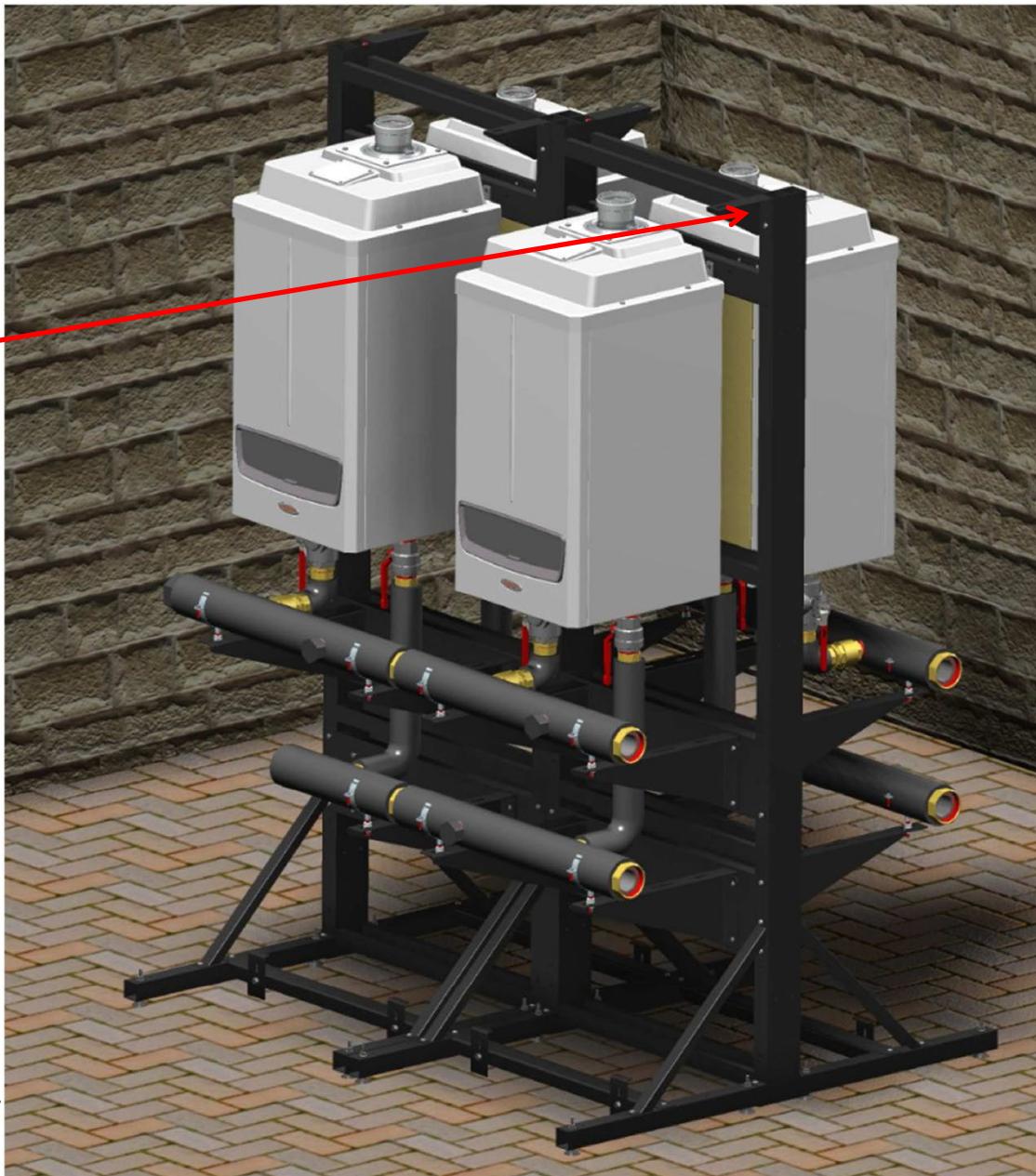
Victrix 35-55



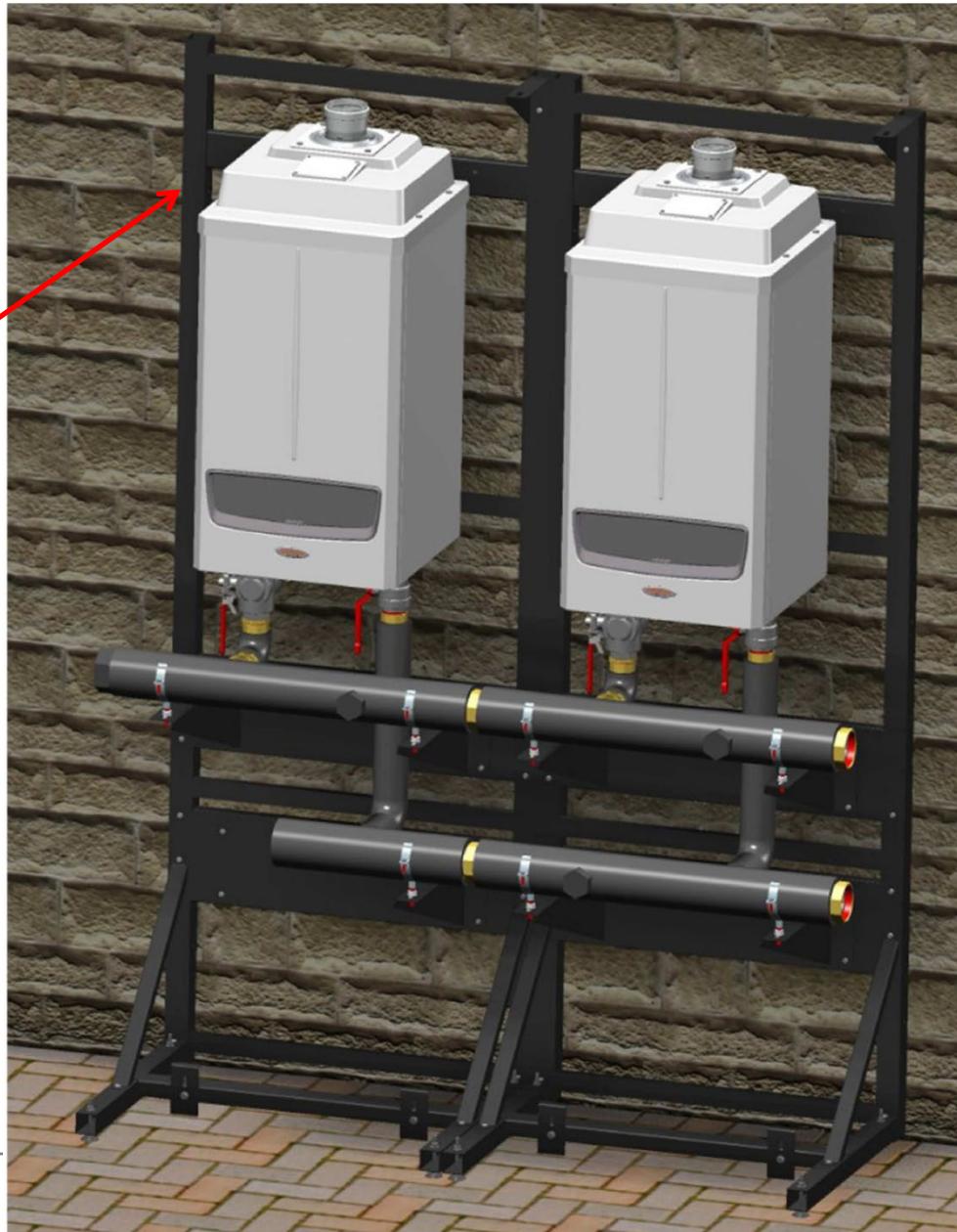
Free-standing support frame kit



Brackets for fixing the exhaust flue manifold (collars are not included in the kit)



Free-standing support frame kit



Free-standing support frame kit

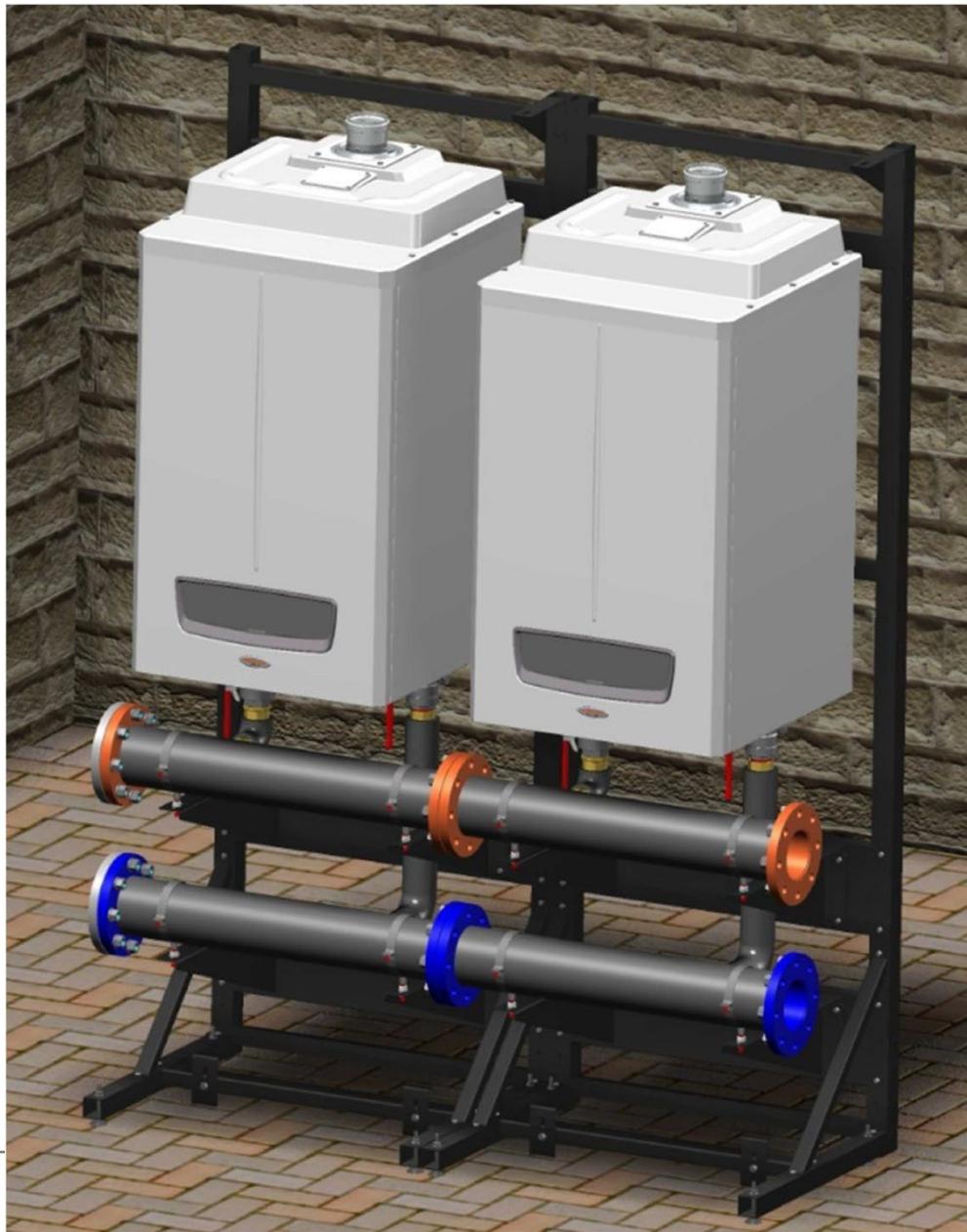


Pre Sales Dept.

Victrix 100-120



Free-standing support frame kit

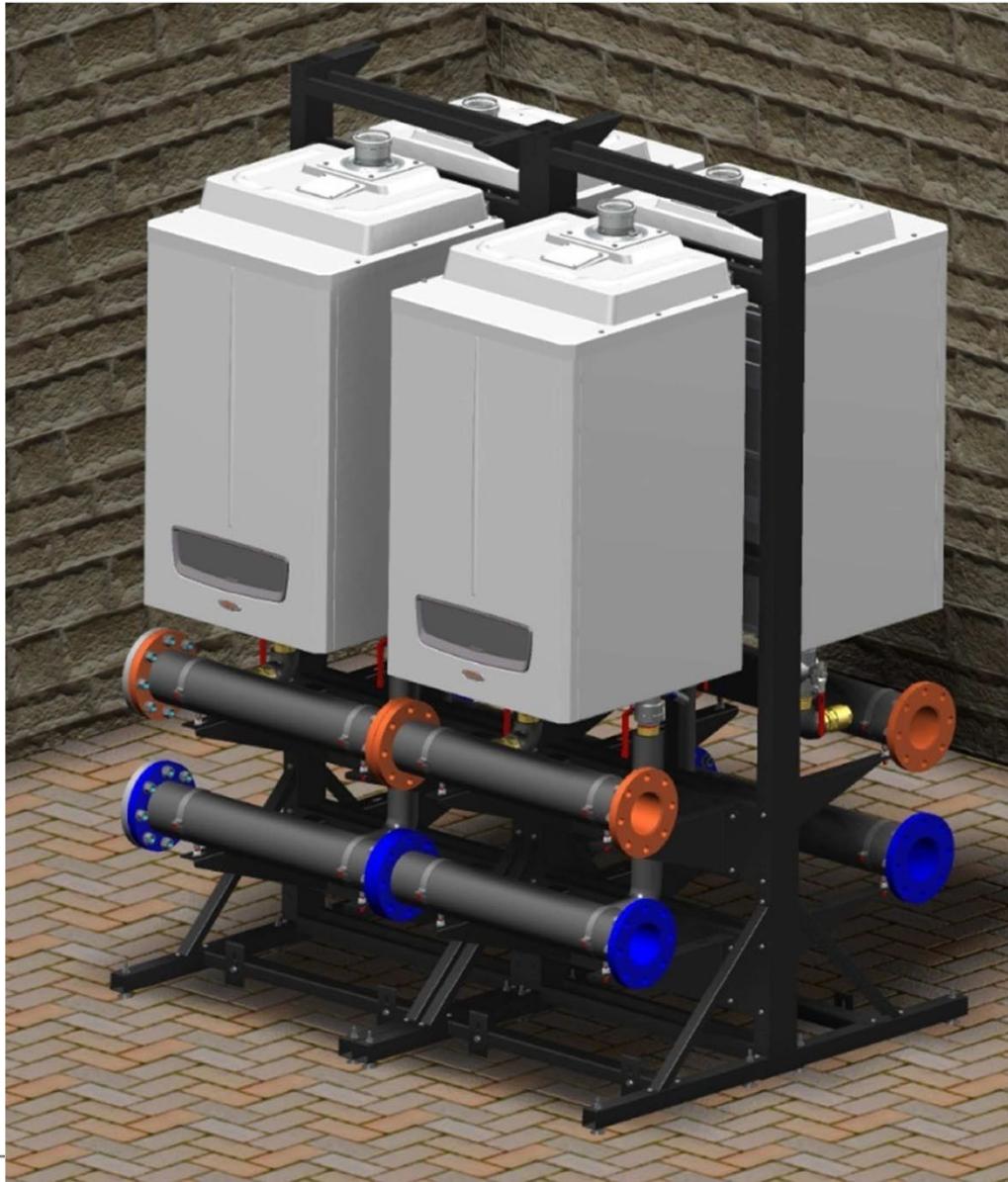


Pre Sales Dept.

Victrix 100-120



Free-standing support frame kit



Pre Sales Dept.

Victrix 100-120



Hydraulics kits

DESCRIPTION	CODE
Hydraulic manifold kit VICTRIX 35-55	3.023951
Hydraulic manifold kit VICTRIX 80-100-120	3.023952
Three way valve connection kit for separate storage tank VICTRIX 35-55-80-100-120	3.023950
Safety kit for single VICTRIX 35-55-80-100-120	3.023949
IPX4D protection box kit for single boiler safety kit	3.024028
Hydraulic manifold kit G 2 1/2" for 2 VICTRIX PRO 35-55 in cascade	3.023953
Hydraulic manifold kit G 2 1/2" for additional VICTRIX PRO 35-55 in cascade	3.023954
Safety kit G 2 1/2" for VICTRIX PRO 35-55 in cascade	3.023955
Hydraulic manifold kit DN 100 for 2 VICTRIX PRO 80-100-120 in cascade	3.023959
Hydraulic manifold kit DN 100 for additional VICTRIX PRO 80-100-120 in cascade	3.023960
Safety Kit DN 100 for VICTRIX PRO 80-100-120 in cascade	3.023961
IPX4D protection box kit for cascade safety kit	3.024038
Condensate neutralizer kit for single installation	3.019857
Condensate neutralizer kit for cascade installation	3.019464
Hydraulic separator for 100 kW cascades	3.020839
Hydraulic separator for 200 kW cascades	3.021377
Hydraulic separator for 400 kW cascades	3.021378
Hydraulic separator for 350 kW cascades	3.023965
Hydraulic separator for 600 kW cascades	3.023962
VICTRIX PRO 35-55 adapting kit for new hydraulic manifolds DN 100	3.023966
Free-standing support frame kit	3.024246
By-pass kit for VICTRIX PRO 35-55	3.024519

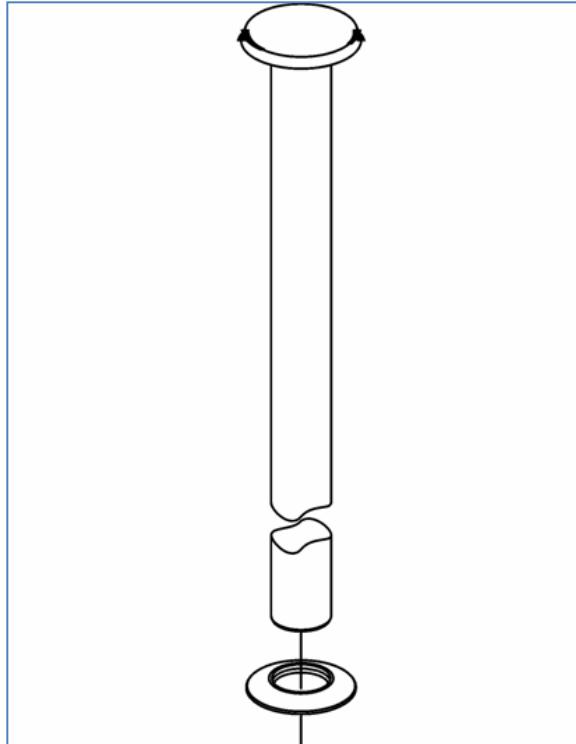
Flue systems and cascade flue system



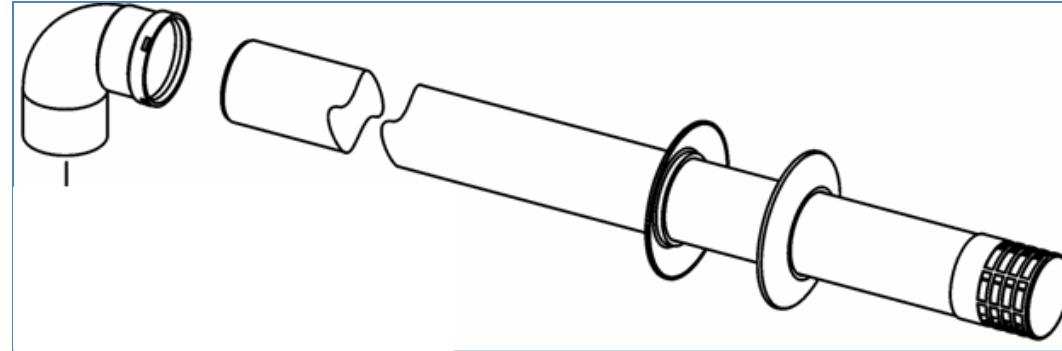
Flue system for single boiler



The factory configuration is B₂₃ (open chamber fan assisted).



Terminal vertical outlet kit Ø 80
(code 3.015256)



2 flue outlet horizontal kit Ø 80:

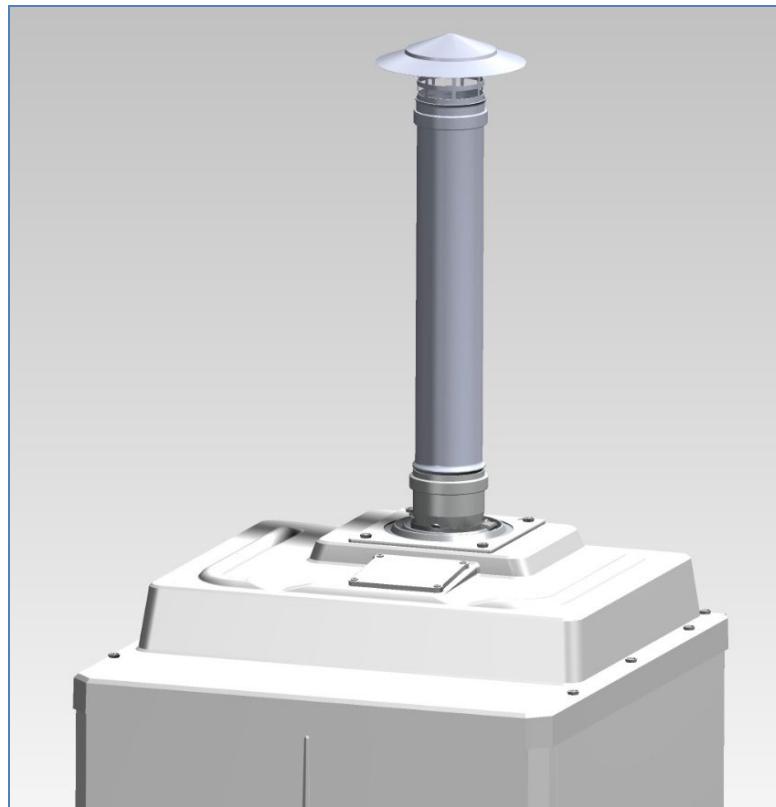
- To discharge through the wall (code 3.015255)
- To discharge in a chimney (code 3.015254)



Flue system for single boiler



The factory configuration is B₂₃ (open chamber fan assisted).



Stainless steel vertical outlet kit Ø 80
for outdoor - code 3.024295 **(NEW)**

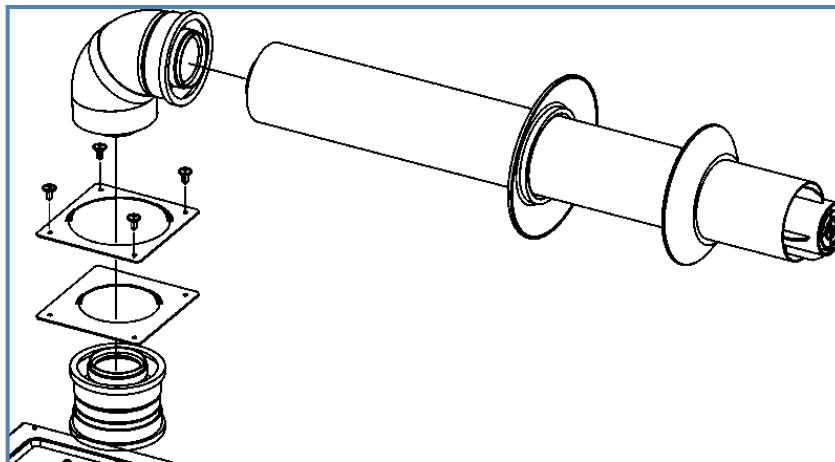


Flue system for single boiler

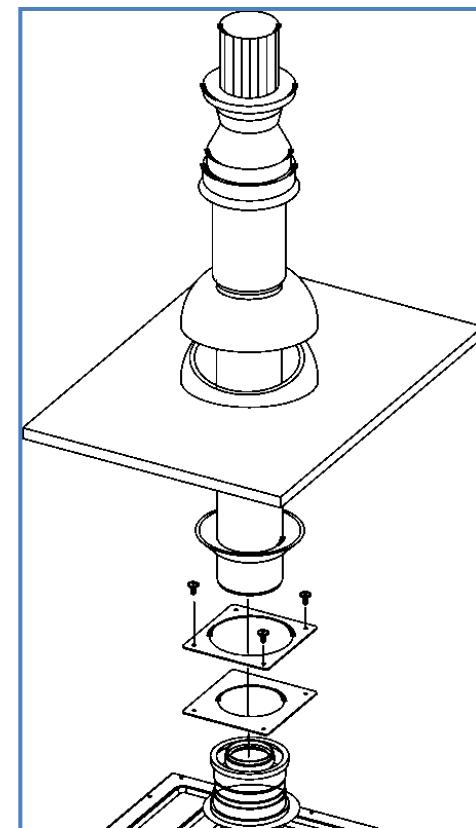


If needed, the boilers can be installed as C type configuration:

Horizontal
concentric kit 80/125
(code 3.015242)



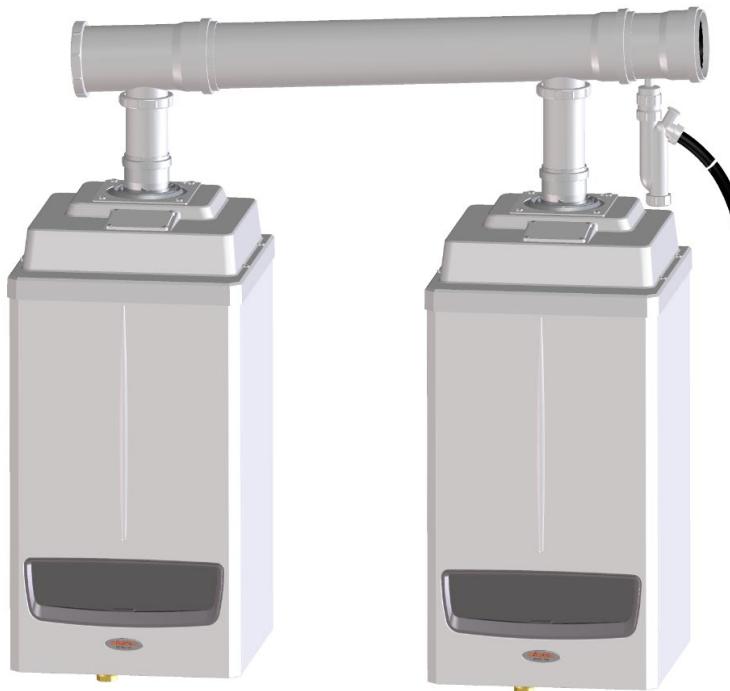
Vertical concentric kit 80/125
(code 3.015243)



Exhaust manifold kit D.160 with flue lock VICTRIX 35-55 / code 3.024279

(NEW)

 **IMMERSAS**



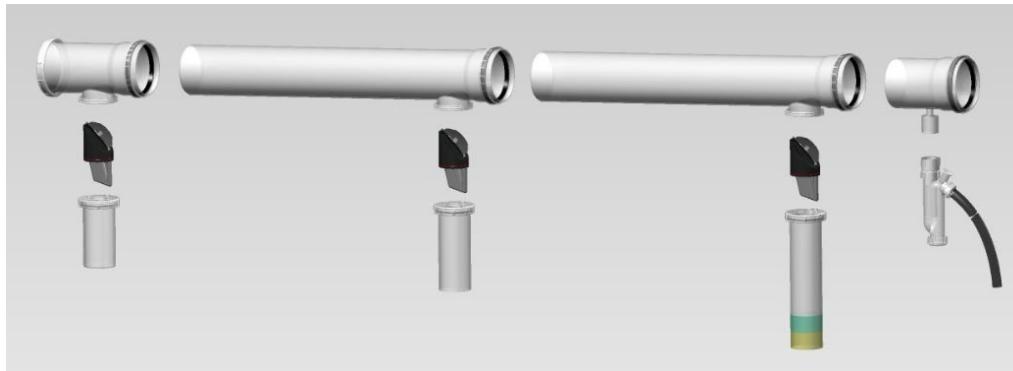
Pre Sales Dept.



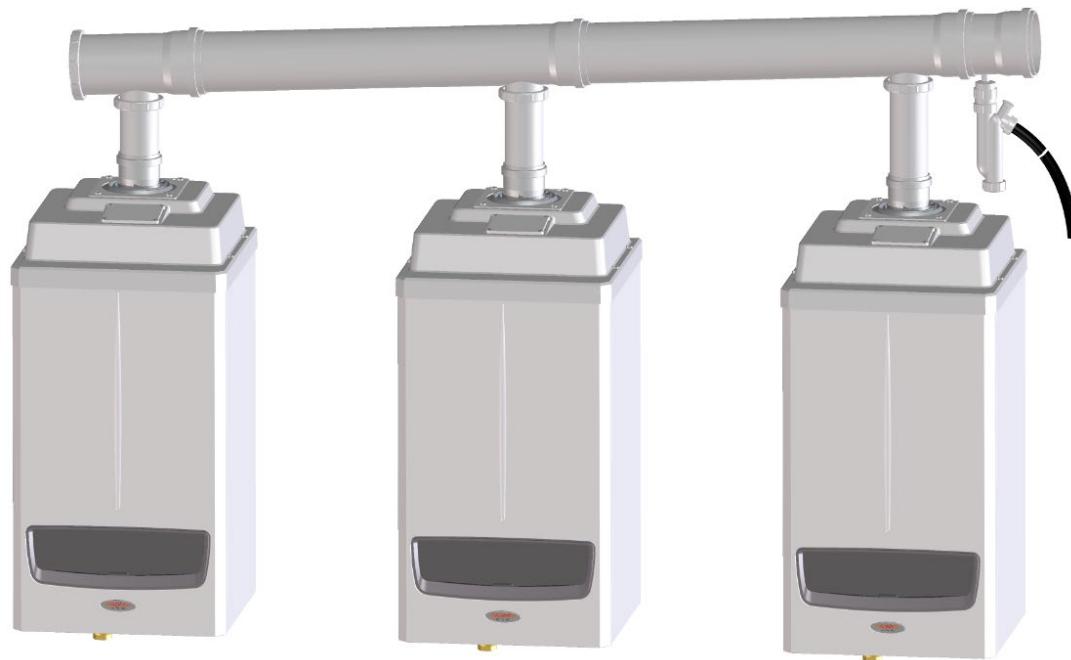
Additional exhaust manifold kit D.160 VICTRIX 35-55 / code 3.024280

(NEW)

 **IMMERSA**



For 3 boilers in cascade, order 1 base kit code 3.024279 and 1 additional kit code 3.024280.

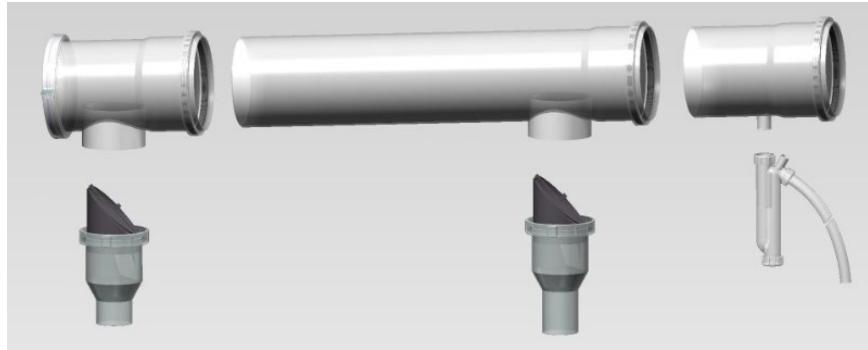


For 4 boilers in cascade, order 1 base kit code 3.024279 and 2 additional kits code 3.024280.

For 5 boilers in cascade, order 1 base kit code 3.024279 and 3 additional kits code 3.024280.



Exhaust manifold kit D.200 with flue lock VICTRIX 80-100-120 code 3.024281 (**NEW**)



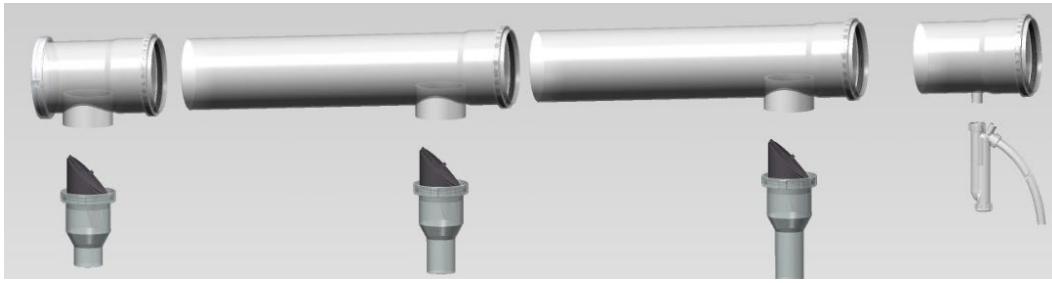
Pre Sales Dept.



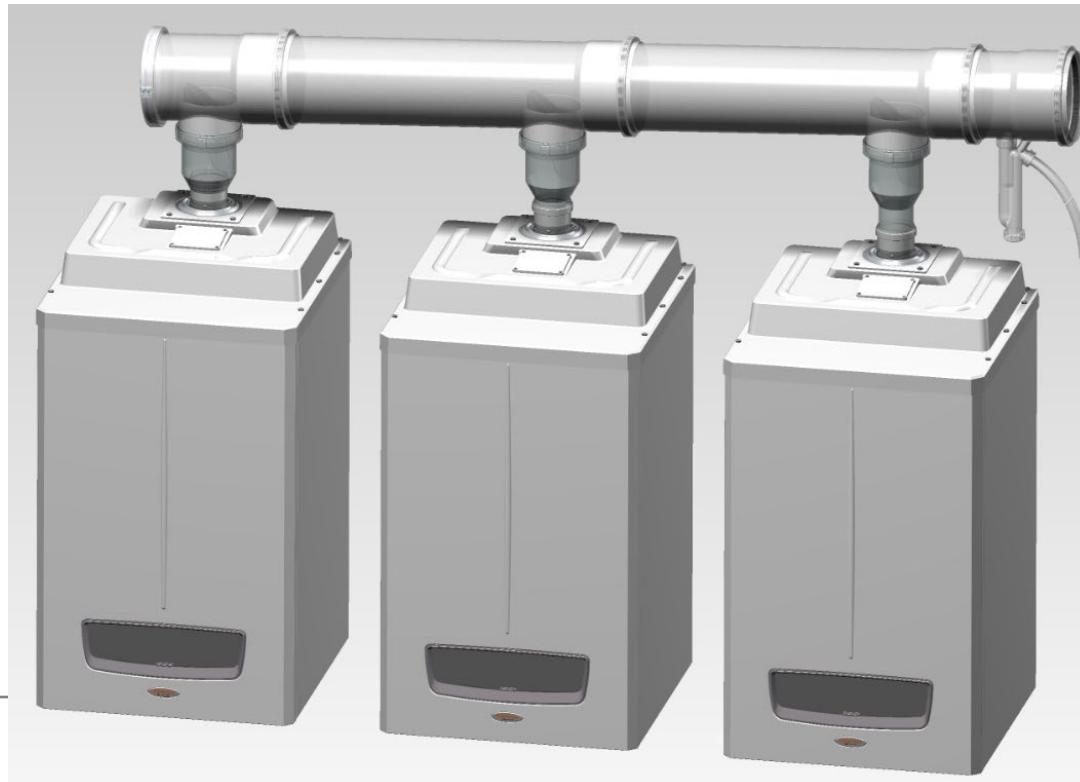
Additional exhaust manifold kit D.200

VICTRIX 80-100-120

code 3.024282 (**NEW**)



For **3 boilers in cascade**, order 1 base kit code **3.024281** and **1 additional kit code 3.024282**.



For **4 boilers in cascade**, order 1 base kit code **3.024281** and **2 additional kit code 3.024282**.

For **5 boilers in cascade**, order 1 base kit code **3.024281** and **3 additional kit code 3.024282**.



Flue kits

DESCRIPTION	CODE
Horizontal kit Ø 80 (to discharge in the chimney)	3.015254
Terminal horizontal outlet kit Ø 80 (to discharge horizontally)	3.015255
Terminal vertical outlet kit Ø 80	3.015256
Horizontal concentric kit Ø 80/125	3.015242
Vertical concentric kit Ø 80/125	3.015243
Extension pipe kit Ø 80/125 2 m long	3.015246
Extension pipe Ø 80-125 1 m long	3.018667
87° Bend kit Ø 80/125	3.015247
2 x 45° Bend kit Ø 80/125	3.015248
Flashing Kit Ø 80/125 for flat roof	3.015249
Stainless steel vertical outlet kit Ø 80	3.024295
Exhaust manifold kit D.160 with flue lock	3.024279
Additional exhaust manifold kit D.160	3.024280
Exhaust manifold kit D.200 with flue lock	3.024281
Additional exhaust manifold kit D.200	3.024282
Extension pipe D.160 kit 1 m long	3.024516
87° bend kit D.160	3.024517
2 x 45° Bend kit D.160	3.024518

Optional kit instruction languages

All new optional kits have instructions in the following languages:

- **ITALIAN;**
- **ENGLISH.**



Availability

Model	Availability	Manual languages <i>(the language depends on destination Country)</i>
VICTRIX PRO 35 1 I <i>code 3.024488</i>		ENG, CZE, SCR, POL, RUM, RUS, SLO, SLV, SPA, TUR, UKR, HUN
VICTRIX PRO 55 1 I <i>code 3.024489</i>		
VICTRIX PRO 80 1 I <i>code 3.024490</i>	Beginning of 2014	FRA and NLD (only for VICTRIX PRO 35-55)
VICTRIX PRO 100 1 I <i>code 3.024491</i>		
VICTRIX PRO 120 1 I <i>code 3.024492</i>		

VICTRIX PRO 35-55-80-100-120 template / code 1.035700 (NEW)

