





# NEW BIM READY VICTRIX PRO V2

Wall-hung light commercial condensing gas boiler



Ideal for central heating in residential and commercial buildings. Efficiency and Hydrogen Ready technology.



# VICTRIX PRO V2

# Modular condensing boiler with sealed chamber and forced draught for only-heating

# HIGH INSTALLATION FLEXIBILITY THANKS TO THE REDUCED DIMENSIONS

The possibility of 5-generator cascade and the high efficiency makes VICTRIX PRO V2 ideal for centralized heating of residential and commercial building. The compact and linear design, with its vertical scrolling lid for panel protection, characterizes the whole range. VICTRIX PRO V2 is available in 9 versions: 35, 55, 60, 68, 80, 100, 120, 150 and 180 kW.

# HIGH PERFORMANCE ON CONSUMPTION

The wide modulation range 1:10 (up to the 120 kW version) optimizes the generator functioning even with low heating requests (for example during spring/autumn or in case of partial usage of the system).

# ${\rm LOW}~{\rm NO_x}$ POLLUTION EMISSIONS

The complete range reaches NO<sub>x</sub> class 6 in terms of polluting emissions, making it optimal for installation in buildings with high energy performance standards and low environmental impact.





#### **GREATER FLEXIBILITY**

VICTRIX PRO V2 boilers obtained **Hydrogen Ready certification**. The new VICTRIX PRO V2 can work with natural gas, LPG and up to **20% blend of hydrogen**.

# HYDROGEN: THE SOLUTION TO REDUCE $\mathrm{CO}_2$ AND GREENHOUSE GAS EMISSIONS INTO THE ENVIRONMENT

Whereas natural gas combustion produces carbon dioxide, hydrogen does not. Since most  $CO_2$  emissions are correlated to the heating industry, this new technology will be a key point in the fight towards a zero pollution level.

To put things into perspective the introduction of 20% hydrogen blends in our current world would mean a reduction of around 6 million tonnes of CO<sub>2</sub> emissions and a 7% decrease of greenhouse gases. If boilers were only supplied with hydrogen the results would be extraordinary.



#### INSTALLATION FLEXIBILITY

By hydraulically and electrically connecting 5 gas boilers in cascade (with a single safety kit), reaching 900 kW output power has never been this easy. The new range has now even less space requirements for cascade installation.

#### FLOOR-STANDING SUPPORT INSTALLATION

VICTRIX PRO V2, up to 150 V2 version, can be installed (single or multiple in cascade) on its dedicated floor-standing support kit on a linear disposition or back-to-back for limited spaces. The structure includes supports for the hyraulic manifolds and it can be fixed to the floor or to the wall with the proper pieces. The frame kit is also certified for outdoor installation.

#### OUTDOOR INSTALLATION IN THE CABINET KIT

The cabinet kit allows VICTRIX PRO V2, up to 150 V2 version, to be installed outdoor in a floor-standing configuration. Cascade installation is possible with multiple cabinets. For each cabinet is available an hydraulic manifold kit with INAIL safety devices included.

#### **OPTIMAL FOR OUTDOOR INSTALLATION**

Thanks to its IPX5D protection grade and to the cataphoresis treatment on the frame, VICTRIX PRO V2 gas boilers can be installed outdoor, even without protection (with the optional cover kit). Anti-freeze protection can reach -15°C with the proper optional kit.



## STAINLESS STEEL CONDENSING MODULE

The complete range includes condensing module with stainless steel hydraulic circuits (for VICTRIX PRO 35, 55, 60, 68 and 80 V2 the external part is out of composite plastic).

# TOTAL PRE-MIXING COMBUSTION SYSTEM

The research and development of the combustion system allow the complete range to have an high output power modulation range (from 10 to 100%). Additionally the generators can work with both natural gas and LPG.

#### A+ CLASS

VICTRIX PRO V2 can reach an higher energy efficiency class (A+)\* if installed in combination with an IMMERGAS advanced thermoregulation panel such as the Modulating Remote Panel code 3.020358.

#### **OPTIMAL REGULATION CONTROL**

By having two NTC temperature reading probes (on the supply and return pipes) the electronics has a greater control over the functioning temperatures.

\* VICTRIX PRO V2 have a seasonal efficiency of 94% (up to the 120 V2 version).

# Seasonal efficiency 94%







# LOW-CONSUMPTION MODULATING PUMP AS PER STANDARD

The pump modulates its speed to keep the  $\Delta T$  constant between water supply and return therefore reducing electrical absorption and noise.

# INTEGRATED CONDENSATE DISCHARGE SYPHON

The integrated syphon collects the condensates and allows them to be properly discharged; the syphon is connected to a poliprophylene flexible pipe which is resistant to condensate corrosion. Externally the technician has to install a dedicated proper discharge system according to the current regulations.

# SAFETY VALVE

The boilers come as per standard with a safety valve 4 bar (35–80) and 5,4 bar (100–180).

# NEW CONTROL ELECTRONICS

The new control electronics widens the installation possibilities.

VICTRIX PRO V2 can manage 2 water distribution zones (2 direct or 1 direct + 1 mixed) with different temperature

sets and climatic curves (to be managed with on/off thermostats or OpenTherm).

In addition to the water distribution zones it is possible to manage a DHW circuit with 3-way diverting valve or with a dedicated pump. In this last case the technician can select the simultaneous functioning (useful for low-inertia systems such as fan-coils). The DHW request can be activated with an NTC sensor or on/off contact (thermostat).

For the anti-legionella function a temperature reading probe in the tank is required.

Timeslots can be set for both central heating and DHW (ECO, COMFORT, OFF).



# EASY MANAGEMENT OF BOILER CASCADE

The new Cascade and Zones Regulator Kit allows you to manage and control the operation of the connected boilers by deciding which boiler to turn on, with what power and with which sequence depending on the heat demand of the type of heating system.

# MANAGEMENT OF A THERMAL SOLAR SYSTEM FOR DOMESTIC HOT WATER PRODUCTION

The Cascade and Zones Regulator kit can be used to easily manage a thermal solar plant for production of DHW by installing the correct temperature probes (see page 17).

#### NEW REMOTE MANAGEMENT

A new optional kit is available (see page 16) capable of communicating with the Cascade and Zones Regulator kit in order to remotely monitor the system.



# Main characteristics

Electrical connection to the master boiler	Temperature settings	Maximum number of boilers	Water distribution zones	Connection in series	Thermal solar system connection
2 BUS wires: max length 50 meters	Central heating: COMFORT, ECO, Anti-Freeze DHW temperature	8	3 (1 direct and 2 mixed) + 1 DHW pump	Up to n°3 Cascade and Zones Regulator kits and n°6 expansion kits. Only the master panel will be connected to the boiler	Possibility to install and manage a thermal solar system without an additional external control unit

# **TECHNICAL DATA**

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(GO/30°C)         KW         4,1         5,7         6,3         6,3           Contral heating seasonal efficiency n:         %         94         94         94         94           Efficiency at 100% Pn (60/60°C)         %         97,0         97,6         97,7         97,5           Efficiency at 100% Pn (60/60°C)         %         105,8         106,2         106,8         108,3           Efficiency at 00% Pn (60/30°C)         %         109,2         109,6         108,3         107,8           Efficiency at partial load 30%         %         0.92,2         109,6         009,6         109,4           Chinney losses with burner off         %         0.03         0.02         0.017         0.02           Casing losses with burner off         %         0.31         0,10         0.1         0.1           Casing losses with burner off         %         0.32         0.23         0.24         0.24           NO, class         mg/kWh         37         39         41         39           Weighted NO,         mg/kWh         27         24         17         7           Gas low rate to burner at max and min heat output with         m/h         369/0,41         \$40/0,57         \$34/0,83	' KW	3	36,9	54,2	63,9	69,2	79,4
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Efficiency at 100% Pn (40/30°C)         %         107,7         106,8         108,3         107,8           Efficiency at partial load 30% (return flow temperature 30°C)         %         109,2         109,6         109,6         109,6           Chinney losses with burner off (R00% Pn) (80/60°C)         %         2,69         2,3         2,2         2,3           Chinney losses with burner off (R00% Pn) (80/60°C)         %         0,31         0,10         0,17         0,020           Casing losses with burner off (R00% Pn) (80/60°C)         %         0,32         0,23         0,2         0,2           Casing losses with burner off (R00% Pn) (80/60°C)         %         0,32         0,23         0,2         0,2           Casing losses with burner off (R00% Pn) (80/60°C)         %         0,32         0,23         0,2         0,2           Veighted NO_         mg/kWh         37         39         41         39         39           Weighted CO         mg/kWh         369/0,41         \$,40/0,57         \$,34/0,83         \$,88/0,83           Maximum fan available head (max/min) heat output with methane (620)         m/h         \$,66/2,1         \$,97.0         \$,39.0         \$,39.0           CO <sub>2</sub> at nominal/minimum heat output (620)         %g/h         \$,61/4				97,6	97,7	97,5	97,6
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(IOO% ph) (80/60°C)%2.692.32.42.3Chinney losses with burner off%0.030.020.0170.020Casing losses with burner off%0.310,100,10,1Casing losses with burner off%0.320.230.20.20.2NOx classmg/kWh3739413939Weighted NOxmg/kWh27241717Gas flow rate to burner at max, and min heat output with methane (G2O)m³/h3.69/0.41\$.40/0.576.34/0.836.88/0.83Maximum fan available head output (G2O)Pa86-2197-2195-4230-4Flue exhaust mass flow rate at methane (G2O)%9.6/9.19.2/8.79.3/9.09.3/9.0CO_ at nominal/minimum heat output (G2O)%9.6/9.19.2/8.79.3/9.09.3/9.0CO_ at nominal/minimum heat eutperature (G2O)°C7.67.167.167.16Maximum/Minimum fume temperature (G2O)°C9.59.59.59.59.5Maximum/Minimum fume temperature (G2O)°C9.6/9.19.2/8.79.3/9.09.3/9.09.3/9.0Maximum operating temperature (G2O)°C9.6/9.19.2/8.79.3/9.09.3/9.09.3/9.0Maximum/Minimum fume temperature (G2O)°C9.6/9.19.2/8.79.3/9.09.5/9.01.5/9.0Maximum/Minimum fume temperature (G2O)°C9.6/9.19.2/8.79.3/9.09.2/9.	temperature 30°C) <sup>%</sup>	1	109,2	109,6	109,6	109,4	109,5
Casing losses with burner on (100% Ph) (80/60*C)%0.310.100.10.1Casing losses with burner off%0.320.230.20.2NO <sub>x</sub> classmg/kWh3739.441.039.0Weighted NO <sub>x</sub> mg/kWh27241717Gas flow rate to burner at max and min heat output with methane (G20)mi/h3.69/0.41\$.40/0.576.34/0.836.88/0.83Maximund fina available head (max/min)Pa86-2197-2195-4230-4Flue exhaust mass flow rate at output (G20)kg/h\$.41/682/996/13104/13CO at nominal/minimum heat output (G20)mg/kWh257/3235/3171/3192/3Maximund frame temperature (G20)*C79/6074/6071/655.905.90Maximund functure temperature (G20)*C15-9015-9015-9015-90Maximund perating temperature (G20)*C15-9015-9015-90230/50Maximund perating temperature (G20)*C15-9015-9015-9015-90Maximund perating temperature (G20)*C230/50230/50230/50230/50Maximund perating temperature (G20)*C15-9015-9015-9015-90Maximund perating pressure of heating circuitbar4.44.44.44.4Electric power absorptionA10182.22.3Nominal power absorptionA10<		ź	2,69	2,3	2,2	2,3	2,3
(100% Pn) (80/60°C)%0,310,100,10,10,1Casing losses with burner off%0,320,230,20,2NQ, classImg/kWh37394139Weighted NO_mg/kWh27241717Gas flow rate to burner at max, and min. heat output with methane (G20)mi/h3,69/0,41\$,40/0,57\$,34/0,83\$,88/0,83Maximum fan available head nominal heat output (G20)Pa86-2197-2195-4230-4Flue exhaust mass flow rate at nominal/minimum fume toutput (G20)%9,6/9,19,2/8,79,3/9,09,3/9,0CO at nominal/minimum heat output (G20)mg/kWh257/3235/3171/3192/3CO at nominal/minimum heat temperature (G20)°C9,6/9,19,53,699,5Maximum operating temperature (G20)%9,6/9,19,2/8,79,3/9,09,3/9,0CO at nominal/minimum heat temperature (G20)mg/kWh257/3235/3171/3192/3Maximum operating temperature of heating circuit%99999Maximum operating pressure of heating circuit%15-9015-9015-9015-9020/50Nominal power absorptionA101822330Nominal power absorptionA10182930Nominal power absorptionMax10318,012,013,0Power absorbed by pumpWi	sses with burner off %	C	0,03	0,02	0,017	0,020	0,01
NOx classImage and the second sec		(	D,31	0,10	0,1	0,1	0,10
xmg/kWh37394139Weighted NOxmg/kWh27241717Gas flow rate to burner at max, and min heat output with methane (G20)m³/h $3,69/0,41$ $5,40/0,57$ $6,34/0,83$ $6,88/0,83$ Maximum fan available head (max/min)Pa $86-2$ $197-2$ $195-4$ $230-4$ Flue exhaust mass flow rate at mominal heat output (G20)kg/h $54/6$ $82/9$ $96/13$ $93/9,0$ CO <sub>2</sub> at nominal/minimum heat output (G20)mg/kWh $257/3$ $235/3$ $171/3$ $93/9,0$ CO <sub>2</sub> at nominal/minimum fume temperature (G20)rC $79/60$ $74/60$ $71/65$ $74/65$ Maximum operating temperaturerC $5-90$ $5-90$ $5-90$ $5-90$ $5-90$ Maximum operating pressure of heating system adjustable of heating circuit $61$ $10.4$ $10.4$ $4.4$ $4.4$ Electric power absorbed by pumpW $30.4$ $10.4$ $10.4$ $10.4$ $10.4$ $10.4$ $10.4$ $10.4$ $10.4$ Nominal power absorbed by fanW $10.4$ $10.4$ $10.4$ $10.4$ $10.4$ $10.4$ $10.4$ $10.4$ $10.4$ Power absorbed by fanW $10.4$	es with burner off %	(	0,32	0,23	0,2	0,2	0,16
Weighted CO         mg/kWh         27         24         17         17           Gas flow rate to burner at max, and min. heat output with methane (G2O)         m <sup>1</sup> /h         3,69/0,41         5,40/0,57         6,34/0,83         6,88/0,83           Maximum fan available head methane (G2O)         Pa         86-2         197-2         195-4         230-4           Flue exhaust mass flow rate at nominal heat output (G2O)         kg/h         54/6         82/9         96/13         104/13           CO, at nominal/minimum heat output (G2O)         kg/h         54/6         82/9         96/13         104/13           CO, at nominal/minimum heat output (G2O)         mg/kWh         257/3         235/3         171/3         192/3           Maximum/Minimum fume temperature (G2O)         mg/kWh         257/3         235/3         171/5         74/65           Maximum/Minimum fume temperature (G2O)         rC         79/60         74/60         71/65         74/65           Maximum/Minimum perating temperature (G2O)         rC         95         95         95         95           Maximum/Minimum perating pressure of heating circuit         rC         15-90         15-90         15-90         15-90           Maximum/Minimum perating pressure of heating circuit         bar         1,0 </td <td></td> <td>6</td> <td>5</td> <td>6</td> <td>6</td> <td>6</td> <td>6</td>		6	5	6	6	6	6
As flow rate to burner at max, and min heat output with methane (G2O)m³/h3,69/0,415,40/0,576,34/0,836,88/0,83Maximum fan available head (max/min)Pa86-2197-2195-4230-4Flue exhaust mass flow rate at nominal heat output (G2O)kg/h54/682/996/13104/13CO, at nominal/minimum heat output (G2O)%9,6/9,19,2/8,79,3/9,09,3/9,0CO at nominal/minimum heat output (G2O)mg/kWh257/3235/3171/3192/3CO at nominal/minimum heat output (G2O)°C79/6074/6071/6574/65Maximum/Minimum fume temperature (G2O)°C95959595Maximum operating emperature°C15-9015-9015-9015-90Maximum operating temperature°C230/50230/50230/50230/50Maximum operating pressure of heating circuitbar1,01,82,22,3Nominal power absorptionA1,0182,22,3Nominal power absorptionK77,873,0182,0182,0Power absorbed by pumpW45,065,095,013,013,0Power absorbed by fanW45,065,095,013,013,0Power absorbed by fanW45,055,055,055,055,055,0	lO <sub>x</sub> mg	/kWh 3	37	39	41	39	33
and min heat output with methane (G2O)m³/h3,69/0,415,40/0,576,34/0,836,88/0,83Maximum fan available head (max/min)Pa86-2197-2195-4230-4Flue exhaust mass flow rate at nominal heat output (G2O)kg/h54/682/996/1304/13CO, at nominal/minimum heat output (G2O)%96/9,19,2/8,79,3/9,09,3/9,0CO at nominal/minimum heat output (G2O)mg/kWh257/3235/3171/3192/3CO at nominal/minimum fume temperature (G2O)°C79/6074/6071/6574/65Maximum/Minimum fume temperature (G2O)°C9595959595Maximum operating temperature (G2O)°C15-9015-9015-9015-9015-90Maximum operating forsourd of heating circuitVHz230/50230/50230/50230/50230/50Nominal power absorption Power absorbed by pumpVHz130158295300Rower absorbed by pumpW77,873,0182,0182,0Power absorbed by fum Power absorbed by fumIPX5DX5DX5DX5DX5D		/kWh 2	27	24	17	17	24
(max/min)Pa86-2197-2195-4230-4Flue exhaust mass flow rate at nominal heat output (G2O)kg/h54/682/996/13104/13CO <sub>2</sub> at nominal/minimum heat output (G2O)%96/9,19,2/8,79,3/9,09,3/9,0CO at nominal/minimum heat output (G2O)mg/kWh257/3235/3171/3192/3Maximum/Minimum fume temperature (G2O)°C79/6074/6071/6574/65Maximum operating temperature°C9595959595Heating system adjustable temperature°C15-9015-9015-9015-90Maximum operating pressure of heating circuitbar230/50230/50230/50230/50Nominal power absorptionA101822330Nominal power absorptionK77,873,0182,0182,0Power absorbed by pumpW75,873,055,0103,0Fuer absorbed by fanIPX5DX5DX5DX5D	at output with m³/	'n 3	3,69/0,41	5,40/0,57	6,34/0,83	6,88/0,83	7,94/0,83
nominal heat output (G20)kg/n54/682/996/3104/13CO2 at nominal/minimum heat output (G20)%9,6/9,19,2/8,79,3/9,09,3/9,0CO at nominal/minimum heat output (G20)mg/kWh257/3235/3171/3192/3Maximum/Minimum fume temperature (G20)°C79/6074/6071/6574/65Maximum operating temperature°C9595959595Maximum operating temperature°C15-9015-9015-9015-9015-90Maximum operating temperaturebar4,44,44,44,44,4Electric power supplyV/Hz230/50230/50230/50230/50230/50Nominal power absorptionA1,0182,22,3300Power absorbed by pumpW77,873,0182,0182,0Power absorbed by famIPX5DX5DX5DX5DX5D	an available head Pa	٤	86-2	197–2	195–4	230-4	306-3
output (G20)         %         9,6/9,1         9,2/8,7         9,3/9,0         9,3/9,0         9,3/9,0           CO at nominal/minimum heat output (G20)         mg/kWh         257/3         235/3         171/3         192/3           Maximum/Minimum fume temperature (G20)         °C         79/60         74/60         71/65         74/65           Maximum operating temperature         °C         95         95         95         95           Maximum operating temperature         °C         15-90         15-90         15-90         15-90         15-90           Maximum operating pressure of heating circuit         bar         4,4         4,4         4,4         4,4           Electric power supply         V/Hz         230/50         230/50         230/50         230/50         230/50           Nominal power absorption         A         10         18         2,2         2,3           Notatled electric power         W         130         158         295         300           Power absorbed by pump         W         7,8         73,0         182,0         182,0           Power absorbed by fan         IP         X5D         X5D         X5D         X5D         X5D <td></td> <td>h 5</td> <td>54/6</td> <td>82/9</td> <td>96/13</td> <td>104/13</td> <td>121/13</td>		h 5	54/6	82/9	96/13	104/13	121/13
output (G2O)mg/kWn25/73235/317/73192/3Maximum/Minimum fume temperature (G2O)°C79/6074/6071/6574/65Maximum operating temperature°C95959595Heating system adjustable temperature°C15-9015-9015-9015-90Maximum operating pressure of heating circuit°C15-9015-9015-9015-90Maximum operating pressure of heating circuitbar4,44,44,44,4Electric power supplyV/Hz230/50230/50230/50230/50Nominal power absorptionA1,01,82,22,3Installed electric powerW130158295300Power absorbed by pumpW45,065,095,0103,0Power absorbed by fanIPX5DX5DX5DX5D	)) 70	g	9,6/9,1	9,2/8,7	9,3/9,0	9,3/9,0	9,2/9,0
temperature (G2O)'C'9/60'4/60'1/65'4/65Maximum operating temperature'C95959595Heating system adjustable temperature'C15-9015-9015-9015-90Maximum operating pressure of heating circuitbar4.44.44.44.4Electric power supplyV/Hz230/50230/50230/50230/50Nominal power absorptionA1,01,82,22,3Installed electric powerW130158295300Power absorbed by pumpW45,065,095,0103,0Power absorbed by fanIPX5DX5DX5DX5D	)) mg,	/kWh 2	257/3	235/3	171/3	192/3	246/3
temperatureC959595959595Heating system adjustable temperature°C15-9015-9015-9015-9015-90Maximum operating pressure of heating circuitbar4,44,44,44,44,4Electric power supplyV/Hz230/50230/50230/50230/50230/50Nominal power absorptionA1,01,82,22,3Installed electric powerW130158295300Power absorbed by pumpW77,873,0182,0182,0Power absorbed by fanW45,065,095,0103,0Electrical insulation ratingIPX5DX5DX5DX5D	e (G2O)	-	79/60	74/60	71/65	74/65	79/65
temperatureC15-9015-9015-9015-90Maximum operating pressure of heating circuitbar4,44,44,44,4Electric power supplyV/Hz230/50230/50230/50230/50Nominal power absorptionA1,01,82,22,3Installed electric powerW130158295300Power absorbed by pumpW77,873,0182,0182,0Power absorbed by fanW45,065,095,0103,0Electrical insulation ratingIPX5DX5DX5DX5D	e C	ç	95	95	95	95	95
of heating circuit     bar     4,4     4,4     4,4     4,4       Electric power supply     V/Hz     230/50     230/50     230/50     230/50       Nominal power absorption     A     1,0     1,8     2,2     2,3       Installed electric power     W     130     158     295     300       Power absorbed by pump     W     77,8     73,0     182,0     182,0       Power absorbed by fan     W     45,0     65,0     95,0     103,0       Electrical insulation rating     IP     X5D     X5D     X5D     X5D	e	1	15–90	15–90	15-90	15-90	15-90
Nominal power absorption         A         1,0         1,8         2,2         2,3           Installed electric power         W         130         158         295         300           Power absorbed by pump         W         77,8         73,0         182,0         182,0           Power absorbed by fan         W         45,0         65,0         95,0         103,0           Electrical insulation rating         IP         X5D         X5D         X5D         X5D		2	4,4	4,4	4,4	4,4	4,4
Installed electric power         W         130         158         295         300           Power absorbed by pump         W         77,8         73,0         182,0         182,0           Power absorbed by fan         W         45,0         65,0         95,0         103,0           Electrical insulation rating         IP         X5D         X5D         X5D         X5D	ver supply V/H	lz 2	230/50	230/50	230/50	230/50	230/50
Power absorbed by pump         W         77,8         73,0         182,0         182,0           Power absorbed by fan         W         45,0         65,0         95,0         103,0           Electrical insulation rating         IP         X5D         X5D         X5D         X5D         X5D	wer absorption A	1	1,0	1,8	2,2	2,3	2,5
Power absorbed by fanW45,065,095,0103,0Electrical insulation ratingIPX5DX5DX5DX5D	ectric power W	1	130	158	295	300	320
Electrical insulation rating IP X5D X5D X5D X5D X5D	rbed by pump W			73,0		·	182,0
-	rbed by fan W	2	45,0	65,0	95,0	103,0	120,0
Full appliance weight (empty)kg52,4 (50,0)59,8 (57,0)64,2 (61,0)64,2 (61,0)64,2 (61,0)64,2 (61,0)64,2 (61,0)	)	)	X5D	X5D	X5D	X5D	X5D
	ce weight (empty) kg	[	52,4 (50,0)	59,8 (57,0)	64,2(61,0)		64,2 (61,0)
Appliance water contentlitres2,42,83,23,2	vater content litre	25	2,4	2,8	3,2	3,2	3,2

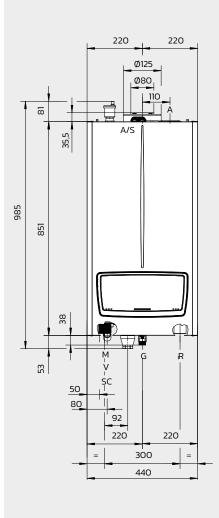
For other information regarding out of standard operating conditions please refer to the technical sheet or get in contact with IMMERGAS customer service

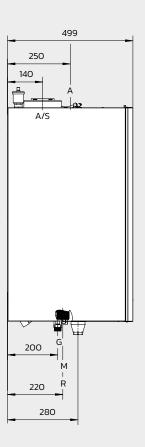
# **TECHNICAL DATA**

Technical characteristics	Measurement unit	VICTRIX PRO 100 V2 EU	VICTRIX PRO 120 V2 EU	VICTRIX PRO 150 V2 EU	VICTRIX PRO 180 V2 EU
Natural gas boiler article number LPG gas boiler article number		3.033861 3.033861GPL	3.033862 3.033862GPL	3.033863 3.033863GPL	3.033864 3.033864GPL
Energy class		Α	А	А	А
Template article number		1.047417	1.047417	1.047417	1.047417
Maximum heat input (80/60°C)	kW	93,0	114,5	141,0	170,0
Minimum heat input (80/60°C)	kW	10,1	11,7	29,0	34,7
Maximum effective heat output (80/60°C)	kW	90,9	112,3	138,3	166,9
Minimum effective heat output (80/60°C)	kW	9,8	11,3	28,3	33,8
Maximum effective heat output (50/30°C)	kW	98,8	121,7	149,9	180,2
Minimum effective heat output (50/30°C)	kW	10,7	12,4	30,8	36,8
Central heating seasonal efficiency ղ₅	%	94	94	93	93
Efficiency at 100% Pn (80/60°C)	%	97,7	98,1	98,1	98,2
Efficiency at 100% Pn (50/30°C)	%	106,2	106,3	106,3	106,0
Efficiency at 100% Pn (40/30°C)	%	108,2	108,4	107,2	107,5
Efficiency at partial load 30% (return flow temperature 30°C)	%	109,4	109,7	109,5	109,9
Chimney losses with burner on (100% Pn) (80/60°C)	%	2,2	1,8	1,8	1,7
Chimney losses with burner off	%	0,02	0,02	0,02	0,02
Casing losses with burner on (100% Pn) (80/60°C)	%	0,10	0,10	0,10	0,10
Casing losses with burner off	%	0,18	0,18	0,18	0,18
NO <sub>x</sub> class		6	6	6	6
Weighted NO <sub>x</sub>	mg/kWh	34	30	34	42
Weighted CO	mg/kWh	23	19	20	25
Gas flow rate to burner at max, and min. heat output with methane (G20)	m³/h	9,84/1,07	12,12/1,24	14,92/3,07	17,99/3,67
Maximum fan available head (max/min)	Pa	221–3	341-4	340-16	41-2
Flue exhaust mass flow rate at nominal heat output (G2O)	kg/h	149/17	185/19	226/48	277/60
CO <sub>2</sub> at nominal/minimum heat output (G2O)	%	9,3/8,9	9,2/8,9	9,3/8,9	9,1/8,5
CO at nominal/minimum heat output (G2O)	mg/kWh	235/7	219/4	230/7	224/11
Maximum/Minimum fume temperature (G20)	°C	74/60	71/60	73/60	72/60
Maximum operating temperature	°C	95	95	95	95
Heating system adjustable temperature	°C	15-90	15-90	15-90	15-90
Maximum operating pressure of heating circuit	bar	6	6	6	6
Electric power supply	V/Hz	230/50	230/50	230/50	230/50
Nominal power absorption	A	2,7	3,0	3,2	2,8
Installed electric power	W	330	410	580	520
Power absorbed by pump	W	183,0	183,0	258,0	298,0
Power absorbed by fan	W	155,0	220,0	247,0	200,0
Electrical insulation rating	IP	X5D	X5D	X5D	X5D
Full appliance weight (empty)	kg	104,0 (95,0)	111,0 (101,0)	124,0 (112,0)	163,0 (148,0)
Appliance water content	litres	9,0	10,0	12,0	15,0

For other information regarding out of standard operating conditions please refer to the technical sheet or get in contact with IMMERGAS customer service.

# VICTRIX PRO 35/55/60/68/80 V2 EU





#### Key

V Electrical connect	ion
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G	Gas	sup	ρly

SC Condensate drain (minimum internal diameter Ø 13 mm)

M System flow

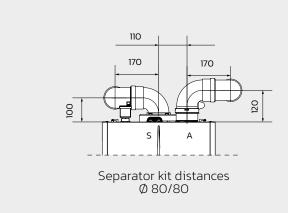
R System return

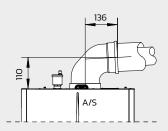
A Air intake

**S** Flue expulsion

A/S Intake/expulsion

Connections			
Gas	System		
G	R	м	
3/4″	1 1/2″	1 1/2"	

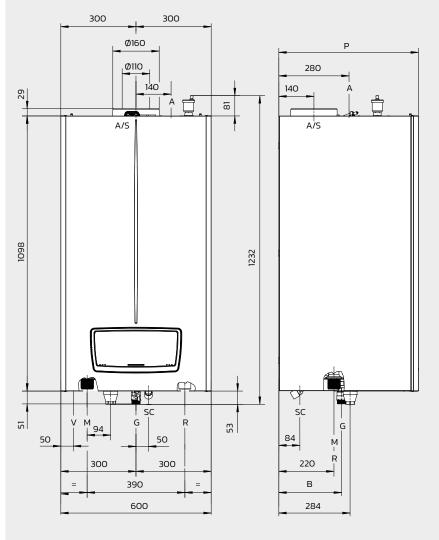




Concentric kit dimensions Ø 80/125

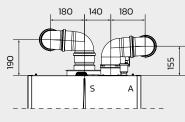


# VICTRIX PRO 100/120/150 V2 EU

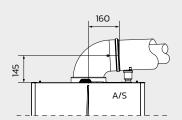


# KeyVElectrical connectionGGas supplySCCondensate drain<br/>(minimum internal diameter Ø 13 mm)MSystem flowRSystem returnAAir intakeSFlue expulsionA/SIntake/expulsionPVICTRIX PRO 100/120 V2 mm 557<br/>VICTRIX PRO 150 V2 mm 627BVICTRIX PRO 100/120 V2 mm 370

Connections						
Gas	System					
G	R	М				
]"	1 1⁄2″	1 1/2″				



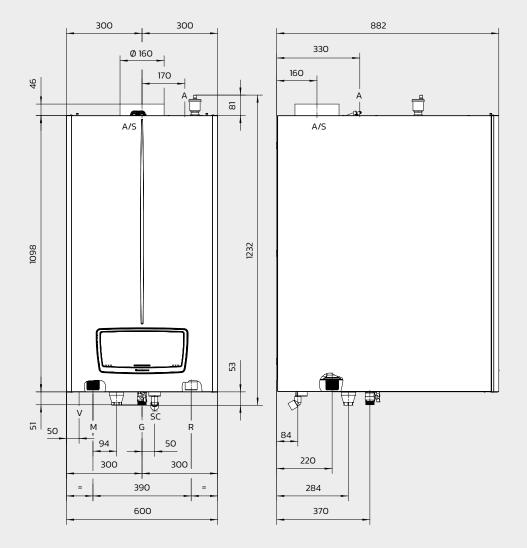
Separator kit distances Ø 100/100



Concentric kit dimensions Ø 110/160

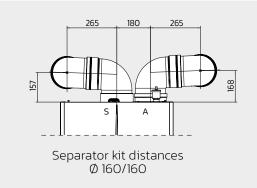


# VICTRIX PRO 180 V2 EU



#### Key

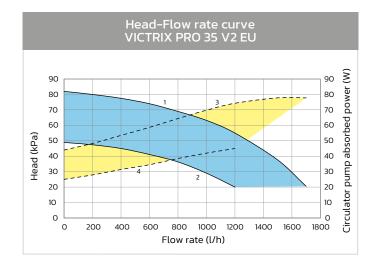
- V Electrical connection
- G Gas supply
- sc Condensate drain (minimum internal dia-meter Ø 13 mm)
- M System flow R System return
- A Air intake
- **S** Flue expulsion
- A/S Intake/expulsion

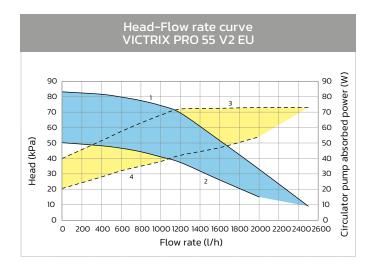


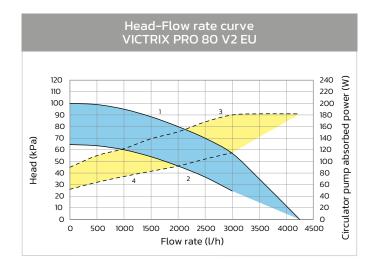
Connections					
Gas	System				
G	R	м			
]″	1 1/2″	1 1/2″			



#### **TECHNICAL DATA**



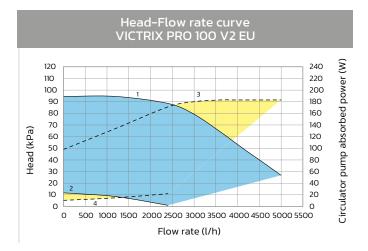


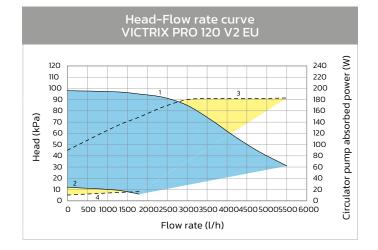


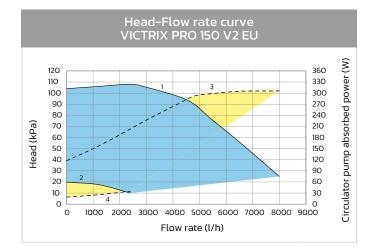
#### Key

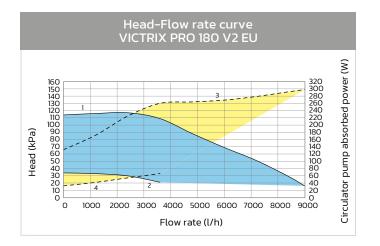
- 🔲 Available head
- Pump power absportion (dotted area)
- **1** at 100% speed
- 2 at 77% speed
- **3** at 100% speed
- 4 at 77% speed

# **TECHNICAL DATA**









#### Key

- Available head
- Pump power absportion (dotted area)
- 1 at 100% speed
- 2 at 77% speed
- **3** at 100% speed
- 4 at 77% speed

A thermoregulation device is a good investment for this range since it significantly increases seasonal efficiency of the heating system.

## STAND ALONE INSTALLATION without Cascade and Zones regulator kit

# **REMOTE CONTROL** Code Туре This is a modulating control unit that serves to optimize climatic management of the temperature in rooms. Dimensions It can only be used on systems with a single temperature control. $(H \times W \times D)$ 3.020358 mm 138 x 90 x 28 To be combined with Clip-in kit code. 3.034122 for VICTRIX PRO V2 Clip-in for VICTRIX PRO V2 To be combined with remote control for VICTRIX PRO V2 code 3.020358 3 034122 **CRONO 7** Dimensions Weekly digital chronothermostat $(H \times W \times D)$ 3.021622 mm 103 x 142 x 31 **CRONO 7 WIRELESS** Dimensions $(H \times W \times D)$ mm 103 x 142 x 31 Wireless weekly digital chronothermostat 3.021624 Dimensions $(H \times W \times D)$ mm 82 x 105 x 36 External probe kit Connected to the boiler board, it optimize the energy consumption by adjusting the delivery temperature. It allows variable temperature fun-3.015266 ctioning System delivery probe kit Connected to the boiler board, it measures the delivery temperature after 3.024245 the hydraulic manifold. DHW probe kit Connected to the boiler board, it measures the DHW temperature of a 3.025467 storage tank.

#### TECHNICAL NOTE

If VICTRIX PRO V2 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: - 1DHW secondary pump;

- 2 HEATING SYSTEM secondary pumps (for 2 direct zones or 1 direct and 1 mixed)

It is also possible to control **a simple cascade until 5 appliances with uniform power**.

For additional information contact the IMMERGAS Customer Service



#### THERMOREGULATION

# CASCADE INSTALLATION with Cascade and Zones regulator kit

#### Cascade and zones regulator kit

Туре				
It can manage 3 water distribution zones plus an external storage tank unit and thermal solar for DHW production, both in standalone and cascade configurations. It includes power supply connection for installation on a DIN rail. For the connection you need a Clip-in kit code. 3.034122 for each gas boiler.			3.034119	

# Clip-in for VICTRIX PRO V2

To be used together with Cascade and Zones regulator kit (1 for each boiler).	3.034122

# Expansion kit for Cascade and Zones regulator kit

To be used to manage 1 additional zone (direct or mixed) up to a maximum of 5.

3.034124

#### Zone manager kit

Modulating temperature control, backlit display and remote management of the zone. It works together with the Cascade and Zones regulator kit.



3.034120

## Tools kit for tele-management 2.0 VICTRIX PRO V2

It works together with the Cascade and Zones regulator kit (cod. 3.034119) It includes: LAN network cable 1.5 m, USB to Ethernet Lan adapter for 1st configuration, dongleWireless USB for 1st configuration, WLAN dongle for WI- FI connectionfollowing the 1st configuration.		3.034121
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# CASCADE INSTALLATION with Cascade and Zones regulator kit

#### **CRONO 7**

Туре		Code
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

# Flow probe kit

To be located on the delivery side of the plant, after the hydraulic separator, it allows the cascade and zone regulator to manage the delivery temperature of the plant or of the mixed zones available		3.015267
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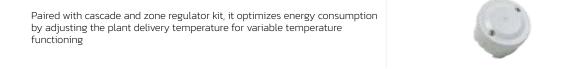
# Storage tank probe kit

Used to manage the temperature of the water tank unit paired, in boiler rooms, with cascade and zone regulator kit		3.015268
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#### Probe kit for PT 1000 solar collector

Used to manage solar plant paired to boiler configurations with cascade and zone regulator kit	3.019374

# External probe kit



3.024511



# FLUE SYSTEM

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VICTRIX PRO V2 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.

#### FLUE SYSTEMS "GREEN SERIES" FOR VICTRIX PRO V2

# Configuration $\rm B_{_{23}}$ – open chamber, fan assisted

Туре	Code
Vertical terminal outlet kit Ø 80 VICTRIX PRO 35/55/60/68/80 V2 (to discharge at roof)	3.034579
Vertical terminal outlet kit Ø 100 VICTRIX PRO 100/120/150 V2 (to discharge at roof)	3.032713
Vertical terminal outlet kit Ø 160 VICTRIX PRO 180 V2 (to discharge at roof) <mark>NEW</mark>	3.034554
<b>Vertical terminal outlet outdoor kit Ø 80</b> <b>(stainless steel) VICTRIX PRO 35/55/60/68/80 V2</b> (for outdoor) length 0.55m Technical note: size is not adjustable	3.024295
Vertical terminal outlet outdoor kit Ø 100 (stainless steel) VICTRIX PRO 100/120/150 V2 (for outdoor) length1m	3.032714
Vertical terminal outlet outdoor kit Ø 160 (stainless steel) VICTRIX PRO 180 V2 NEW (for outdoor) length 1m Technical note: size is not adjustable	3.034555
Stub-pipe kit Ø80 for air intake for VICTRIX PRO 35/55/60/68/80 V2 with B <sub>23</sub> configuration	3.033759
Stub-pipe kit Ø100 for air intake for VICTRIX PRO 100/120/150 V2 with $\rm B_{_{23}}$ configuration	3.033760
Stub-pipe kit Ø160 for air intake for VICTRIX PRO 180 V2 with NEW B <sub>23</sub> configuration	3.034565
Horizontal kit Ø 80 VICTRIX PRO 35/55/60/68/80 V2 (to discharge in the chimney)	3.015254
Horizontal kit Ø 100 VICTRIX PRO 100/120/150 V2 (to discharge in the chimney)	3.032715
Horizontal kit Ø 160 VICTRIX PRO 180 V2 (to discharge in the chimney) <mark>NEW</mark>	3.034556
Horizontal kit Ø 80 VICTRIX PRO 35/55/60/68/80 V2 (to discharge horizontally)	3.015255
Horizontal kit Ø 100 VICTRIX PRO 100/120/150 V2 (to discharge horizontally)	3.032716
Horizontal kit Ø 160 VICTRIX PRO 180 V2 (to discharge horizontally) <mark>NEW</mark>	3.034557

# FLUE SYSTEMS "GREEN SERIES" FOR VICTRIX PRO V2

# Configuration $B_{23}$ - open chamber, fan assisted

#### Extension pipes kit

Туре		Code
4 extension pipes Ø 80 kit VICTRIX PRO 35/55/60/68/80 V2 0,5 m long		3.014642
4 extension pipes Ø 100 VICTRIX PRO 100/120/150 V2 0,5 m long		3.031132
4 extension pipes Ø 80 VICTRIX PRO 35/55/60/68/80 V2 1 m long		3.012088
4 extension pipes Ø 100 VICTRIX PRO 100/120/150 V2 1 m long		3.031373
1 extension pipe Ø 80 VICTRIX PRO 35/55/60/68/80 V2 2 m long	1	3.016837
4 extension pipes Ø 100 VICTRIX PRO 100/120/150 V2 2 m long		3.032319
4 extension pipes Ø 160 kit VICTRIX PRO 180 V2 0,5 m long NEW		3.034559
4 extension pipes Ø 160 kit VICTRIX PRO 180 V2 1 m long NEW		3.034560
4 extension pipes Ø 160 kit VICTRIX PRO 180 V2 2 m long NEW		3.034561

#### Bends kit

45° bend Ø 80 kit VICTRIX PRO 35/55/60/68/80 V2		3.012092
45° bend Ø 100 kit VICTRIX PRO 100/120/150 V2		3.032195
45° bend Ø 160 kit VICTRIX PRO 180 V2 NEW		3.034562
4x90° bend Ø 80 kit VICTRIX PRO 35/55/60/68/80 V2		3.012091
4x87° bend Ø 100 kit VICTRIX PRO 100/120/150 V2		3.032731
4x90° bend Ø 160 kit VICTRIX PRO 180 V2 NEW		3.034563

#### Gasket kits DN100

4x gasket kits for Victrix Pro 100/120/150 V2	3.032732

#### Clapet valve kit for outdoor installation

The kits are necessary for installation with stainless steel flue manifold not supplied by Immergas in combination with stub-pipe kit for air intake

Clapet valve kit Ø 80 in stainless steel VICTRIX PRO 35/55/60/68/80 V2	3.033715
Clapet valve kit Ø 125 in stainless steel VICTRIX PRO 100/120/150 V2	3.033716

# Cover kit

Protection kit IPX5D for outdoor installation. With this kit it is not necessary to add the stub-pipe kit B<sub>23</sub> for air intake.

Cover kit IPX5D VICTRIX PRO 35/55/60/68/80 V2	the way .	3.033670
Cover kit IPX5D VICTRIX PRO 100/120 V2	1. 11 P	3.033671
Cover kit IPX5D VICTRIX PRO 150 V2	10-00	3.033672
Cover kit IPX5D VICTRIX PRO 180 V2 NEW		3.033689



# FLUE SYSTEMS "GREEN SERIES" FOR VICTRIX PRO V2

# Configuration C - sealed chamber, fan assisted

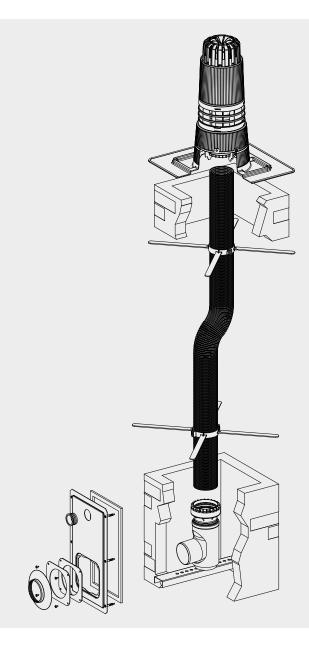
Туре	Code
Horizontal concentric kit Ø 80/125* for VICTRIX PRO 35/55/60/68/80 V2	3.033785
Horizontal concentric kit Ø 110/160* for VICTRIX PRO 100/120/150 V2	3.033789
<b>Vertical concentric kit Ø 80/125</b> for VICTRIX PRO 35/55/60/68/80 V2 (black coloured, with converse for pitched roofs)	3.033786
<b>Vertical concentric kit Ø 110/160</b> for VICTRIX PRO 100/120/150 V2 (black coloured, with converse for pitched roofs)	3.033790
Flashing Kit Ø 80/125 for flat roof for VICTRIX PRO 35/55/60/68/80 V2	3.015249
Twin pipes complete kit Ø 80/80         for VICTRIX PRO 35/55/60/68/80 V2 (color RAL 9010)	3.012002
Twin pipes complete kit Ø100/100         Image: Complete kit Ø100/100           for VICTRIX PRO 100/120/150 V2 (color RAL 9010)         Image: Complete kit Ø100/120/150	3.032717
Twin pipes complete kit Ø 160/160 for VICTRIX PRO 180 V2 NEW	3.035122
<b>Extension pipe 1 m long Ø 80/125</b> for VICTRIX PRO 35/55/60/68/80 V2	3.018667
<b>Extension pipe 1 m long Ø 110/160</b> for VICTRIX PRO 100/120/150 V2	3.031397
<b>Extension pipe 2 m long Ø 80/125</b> for VICTRIX PRO 35/55/60/68/80 V2	3.015246
<b>Extension pipe 2 m long Ø 110/160</b> for VICTRIX PRO 100/120/150 V2	3.031398
<b>2 x 45° bend kits Ø 80/125</b> for VICTRIX PRO 35/55/60/68/80 V2	3.015248
<b>45° Bend kit Ø 110/160</b> for VICTRIX PRO 100/120/150 V2	3.031395
<b>87° Bend kit Ø 80/125°</b> for VICTRIX PRO 35/55/60/68/80 V2	3.015247
<b>87° Bend kit Ø 110/160</b> for VICTRIX PRO 100/120/150 V2	3.031396

\*Double check if flue discharge on the wall is allowed by current regulations.

## Gasket kit

Gasket kits 10 pcs. Ø 80 Ø 80/125	3.015343
Gasket kits 10 pcs. Ø 80 Ø 80	3.015378
Gasket kits 4 pcs. Ø 100	3.032732
Gasket kit Ø 110	3.015344
Gasket kit Ø 125	3.015345

The ducting solution allows reuse the internal space not only of existing chimneys, but also technical compartments, to be understood as those compartments with vertical development, without structural continuity, having closed perimeter and used for the containment of technical services of the building.



The maximum allowed pipe lengths are as follows (for proper installation, please refer to the the system manuals):

- VICTRIX PRO 35 V2 maximum length 12 m
- VICTRIX PRO 55 V2 maximum length 12 m
- VICTRIX PRO 60 V2 maximum length 8 m
- VICTRIX PRO 68 V2 maximum length 8 m
- VICTRIX PRO 80 V2 maximum length 8 m

This length is obtained by considering

- 190° bend Ø 80 mm for boiler connection (outlet)
- 1 m of pipe Ø 80 mm in outlet two changes in direction of the vertical section
- the Ø 80 mm bend
- the  $\emptyset$  80/125 vertical kit for ducting.

The system can be paired with a single appliance.

EC Certificate according to UNI EN 14471

# FLUE SYSTEM

# FLUE SYSTEMS "GREEN SERIES" FOR VICTRIX PRO V2

# $\emptyset$ 80 mm flexible ducting system

Туре	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	3.027876
Chimney hole closing panel kit	3.012008
Flexible/flexible adapter kit for flexible ducting Ø 80	3.027877

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## EXHAUST MANIFOLD VICTRIX PRO V2

## Installation in boiler room VICTRIX PRO 35-150 V2

With installations in boiler room, using up to 5 VICTRIX PRO V2 in the battery, in

configuration B<sub>23</sub> (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. Configuration not applied to version VICTRIX PRO 180 V2.

Туре	Code
Exhaust manifold kit VICTRIX PRO 35/55/60/68/80 V2 Ø 160 with flue lock DN 80 for exhaust connection of two boilers in cascade	3.034257
Exhaust manifold kit VICTRIX PRO 100/120/150V2 Ø 200 with flue lock DN 125 for exhaust connection of two boilers in cascade.	3.034259
Additional exhaust manifold kit VICTRIX PRO 35/55/60/68/80 V2 Ø 160 with flue lock DN 80 for connection of an additional boiler	3.034258
Additional exhaust manifold kit VICTRIX PRO 100/120/150 V2 Ø 200 with flue lock DN 125 for connection of an additional boiler	3.034260
Additional exhaust manifold kit Ø 250 with flue lock DN 125 for 4 VICTRIX PRO 150 V2	3.034261
Additional exhaust manifold kit Ø 250 with flue lock DN 125 for 5 VICTRIX PRO 150 V2	3.034262
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
Stub-pipe kit Ø80 for air intake for VICTRIX PRO 35/55/60/68/80 V2 with $\rm B_{_{23}}$ configuration	3.033759
Stub-pipe kit Ø100 for air intake for VICTRIX PRO 100/120/150 V2 with $\rm B_{_{23}}$ configuration	3.033760

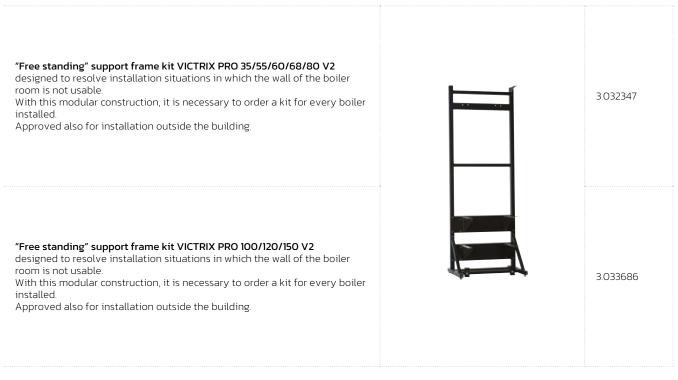
#### **OPTION KITS**

Within our range it is possible to find a wide option of accessories for the system. The use of original kits ensures quality and reliability of the products.

#### CABINET INSTALLATION VICTRIX PRO 35-150 V2



## FREE-STANDING INSTALLATION VICTRIX PRO 35-150 V2



# HYDRAULIC OPTIONAL FOR SINGLE INSTALLATION

Туре		Code
<b>Safety kit single boiler</b> 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
<b>Three-way valve kit connection to a separate storage tank</b> the kit includes the storage tank probe. The power supply is 230 Vac. Insulation as standard		3.023950
Hydraulic manifold kit for VICTRIX PRO 35/55/60/68/80 V2 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 100/120/150/180 V2 specially sized for large thermal systems with high water content. Equipped with sludge collection filter on the return pipe. Insulation as standard	Ŷ	3.023952
IPX4D protection box kit for single boiler safety kit		3.024028
Adapter kit VICTRIX PRO 35/55/60/68/80 V2 for replacement of VICTRIX 50 and 75 versions in single wall unit configuration		3.023966
Anti freeze protection kit -15 °C		3.034125
<b>Condensate neutralizer until 80 kW</b> necessary to neutralize the acidity of the condensation. Inclusive of granulate.	<b>P</b>	3.033687
<b>Condensate neutralizer until 180 kW</b> necessary to neutralize the acidity of the condensation. Inclusive of granulate		3.033688
Granulate for condensate neutralizer until 180 kW		3.034920
<b>Condensate discharge pump kit</b> 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
Magnetic dirt separator kit for single installation For installation both on right and left side		3.033673
Plate heat exchanger kit for single installation on the right side of VICTRIX PRO 35/55/80 V2 The kit includes connecting pipes, air vent, discharge tap, filling taps and connection to expansion vessel		3.033676
Plate heat exchanger kit for single installation on the right side of VICTRIX PRO 100/120/150/180 V2 The kit includes connecting pipes, air vent, discharge tap, filling taps and connection to expansion vessel		3.033677



# **OPTION KITS**

# 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 V2

Туре	Code
Hydraulic manifold kit G 2 ½" for 2 VICTRIX PRO 35/55/60/68/80 V2 in cascade the kit includes a 2-way valves, a 3-way interception valve and a non-return valve for each generator. Insulation as standard.	3.032338 <b>L</b>
Hydraulic manifold kit G 2 ½" for additional VICTRIX PRO 35/55/60/68/80 V2 in cascade in combination with kit 3.032338, it serves to connect from 3 to 5 VICTRIX PRO V2 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	3.033669
Safety kit G 2" ½ for VICTRIX PRO 35/55/60/68/80 V2 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 100/120/150 V2 in cascade the kit includes a 2 way interception valve, a 3-way interception valve and a non-return valve for each generator. Insulation as standard	3.033667 <b>L</b>
Hydraulic manifold kit DN 100 for additional VICTRIX PRO 100/120/150 V2 in cascade in combination with kit 3.033667 serves to connect from 3 to 5 VICTRIX PRO V2 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	3.033668
Hydraulic manifold kit DN 100 for 2 VICTRIX PRO 180 V2 in batteria NEW the kit includes a 2 way interception valve, a 3-way interception valve and a non-return valve for each generator. Insulation as standard.	3.034938
Hydraulic manifold kit DN 100 for additional VICTRIX PRO 180 V2 in cascade NEW in combination with kit 3.034938 it serves to connect from 3 to 5 VICTRIX PRO V2 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.	3.034939
Safety kit DN 100 for VICTRIX PRO 100/120/150/180 V2 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



# 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 V2

Туре		Code
Hydraulic separator for 100 kW installations separator with G2 ¼" 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 ¼" threaded connectors on boiler side – DN 100 on system side. Insulation as standard.		3.021378
<b>Hydraulic separator for 350 kW installations</b> separator with flanged connectors - DN 100. Insulation as standard.		3.023965
<b>Hydraulic separator for 600 kW installations</b> separator with flanged connectors - DN 100. Insulation as standard.		3.023962
Anti freeze protection kit -15 °C One kit for every boiler		3.034125
<b>Condensate neutralizer until 80 kW</b> necessary to neutralize the acidity of the condensation. Inclusive of granulate.	<b>P</b> _	3.033687
<b>Condensate neutralizer until 180 kW</b> necessary to neutralize the acidity of the condensation. Inclusive of granulate.		3.033688
<b>Condensate neutralizer until 1500 kW</b> necessary to neutralize the acidity of the condensation. Inclusive of granulate.		3.023662
Granulate for condensate neutralizer until 180 kW		3.034920
Granulate for condensate neutralizer until 1.500 kW (25 kg).		3.023663
Magnetic dirt separator kit for VICTRIX PRO 35/55/60/68/80 V2 in cascade The kit includes connection manifolds* and support	H H	3.033674
Magnetic dirt separator kit for VICTRIX PRO 100/120/150/180 V2 in cascade The kit includes connection manifolds* and support.		3.033675
Plate heat exchanger kit for cascade installation on the right side of VICTRIX PRO 35/55/60/68/80 V2 The kit includes connecting pipes, air vent, discharge tap, filling taps and connection to expansion vessel.		3.033678
Plate heat exchanger kit for cascade installation on the right side of VICTRIX PRO 100/120/150/180 V2 The kit includes connecting pipes, air vent, discharge tap, filling taps and connection to expansion vessel		3.033679

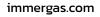
\*Designed for installation with Inail Kit. For the pairing above dirt separator or heat exchanger dedicated kit it is necessary to realise pipework spacing adaptation not supplied by immergas



# Immergas S.p.a.

42041 Brescello (RE) - Italy T. 0522.689011







Design, manufacture and post-sale assistance of gas boilers, gas water heaters and related accessories

**OIMMERGAS** IMMERGAS SPA -ITALY CERTIFIED COMPANY UNI EN ISO 9001:2015