



NEW

FANCOIL UNITS

Wall-hung
Floor standing
Recessed
Ducted



Effective at providing heating and cooling to any room.
Suitable for use with hybrid systems and heat pumps.

Fancoil units

Perfect heating and cooling also with renewable energy

The Immergas hydronic fan coils offers a wide range of options for optimal temperature control in every room with hybrid systems or heat pumps only.

Suitable for a variety of installation setups: **wall mounted unit** (HYDRO V2), “floor standing” **near the floor** (HYDRO FS), **recessed** (HYDRO IN) and the new **ducted** (HYDRO VENT). They features **efficiency**, **quiet operation** and **ease of installation** in any type of home, store, shopping centre, hospital and hotel.

Each model is available in a number of versions with different heating and cooling outputs to provide many solutions both in new buildings and renovations.

GREAT ATTENTION TO AESTHETIC DETAILS

The finishings of Immergas fan coils have been designed with **great attention to small details**.

Designers, architects and builders can choose from a range of units that **blend in with any décor and guarantee greater comfort** in every building.

The range of accessories for installation and temperature control is very wide and can be combined with any type of system.

MANY APPLICATIONS FOR EVERY MODEL

Model	Residential and commercial buildings				
HYDRO V2 <i>Wall-hung installation</i>					
	Renovated apartment	New building	Shop Office		
Residential and tertiary or service sector buildings					
HYDRO FS <i>Floor-standing installation</i>					
HYDRO IN <i>Recessed installation</i>	Renovated apartment	New building	Shop Office	Public administration	Hotel
HYDRO VENT <i>Ducted installation</i>					Hospital Shopping center



COMFORT IN EVERY SEASON

They quickly bring every room to the ideal temperature, in winter and summer. Continuous recirculation creates a pleasant, uniform movement of air.

COMPACT, MODERN DESIGN

The white lacquered case, the recessed option, the slim floor-standing model (just 15 cm deep) and the attention to aesthetic details mean you can find a model to suit any décor: from the most modern apartments, to stores, hotels, hospitals, etc. **The new range of ducted fan coils HYDRO VENT**, represents the technological evolution of air conditioning systems, heating and cooling rooms while remaining completely invisible. Maximum comfort, zero aesthetic impact.

WIDE CHOICE OF TEMPERATURE CONTROL SYSTEMS

HYDRO 3 and 4 V2 units are equipped with remote control as standard, HYDRO FS, HYDRO IN and HYDRO VENT can be combined with the new panels with an integrated Wi-Fi module for management via the specific **IMMER Vent app**.

LOW CONSUMPTION, MINIMAL NOISE

In HYDRO FS, HYDRO IN and HYDRO VENT, the DC inverter motor continually modulates the fan and progressively reduces RPM as soon as the set temperature is reached. This increases efficiency and reduces noise levels.

EASE OF INSTALLATION

Thanks to their small weight and to the range of solutions, the units can be installed quickly and easily in any situation.

HYDRO 3/4 V2

Wall-hung hydronic fancoil



Ideal for apartments,
especially in the event of restructuring.



Renovated
apartment



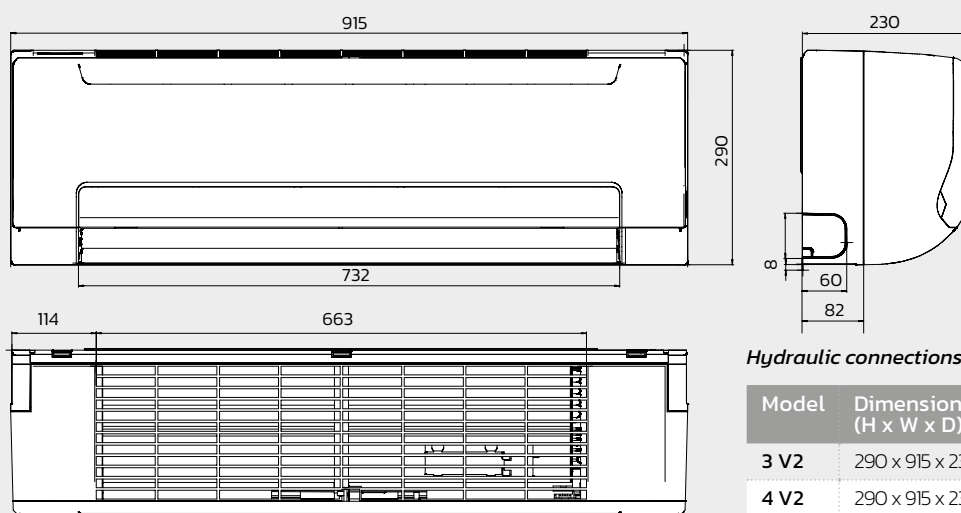
New
building



Shop
Office

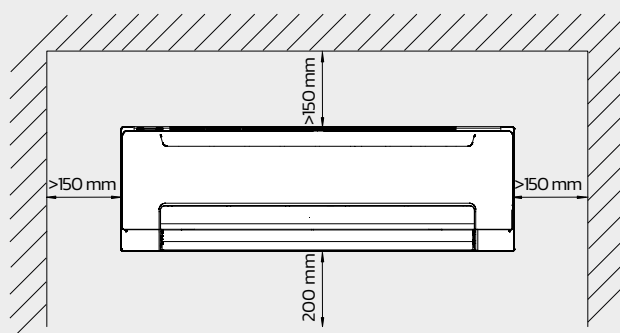
TECHNICAL FEATURES

- **LCD remote control supplied as standard**
- **Standard hydraulic connections on the right side** (possible to reverse them left side by option kit)
- **3-way valve as standard** with micro switch for transmitting the request to the hybrid system or the heat pump
- Water **heat exchanger** with a **large exchange surface** with condensate drain and air vent valve
- **Water probe and air probe supplied as standard**
- Horizontal and vertical **directional wind deflectors**
- Adjustment in cooling and heating with **3 fan speeds**
- Units made of ABS **with high mechanical characteristics**
- **Installation template and wall brackets as standard**



Hydraulic connections on the right side as standard.

Model	Dimensions (H x W x D) mm	Hydraulic connections	Condensate drain
3 V2	290 x 915 x 230	G 1/2"	Ø 20 mm
4 V2	290 x 915 x 230	G 1/2"	Ø 20 mm



MINIMUM MOUNTING DISTANCES

Technical data	Unit of measurement	HYDRO 3 V2	HYDRO 4 V2
Art. no.		3.033625	3.033626
Weight	kg	12,7	12,7
Heating heat output (water temperature 45/40 °C) - Max./Med./Min. speed	kW	2,94/2,80/2,58	4,30/3,65/3,09
Cooling heat output (water temperature 7/12 °C) - Max./Med./Min. speed	kW	2,70/2,59/2,39	3,81/3,30/2,88
Total absorbed electric power (P _{elec})	W	13	33
Heating water flow rate (water temperature 45/40 °C) - Max./Med./Min. speed	l/h	510/490/460	730/640/560
Cooling Water flow rate (water temperature 7/12 °C) - Max./Med./Min. speed	l/h	480/460/420	670/570/510
Heating load losses (water temperature 45/40 °C) - Max. / Med. / Min. speed	kPa	32,66/34,89/30,24	51,86/47,53/35,69
Cooling load losses (water temperature a 7/12 °C) - Max./Med./Min. speed	kPa	31,61/28,63/25,36	56,75/41,23/33,02
Air flow rate (Max./Med./Min. speed)	m³/h	492/454/400	825/689/590
Cooling capacity (sensitive) - P _{rated,c}	kW	2,15	3,18
Cooling capacity (latent) - P _{rated,c}	kW	0,55	0,63
Heating capacity - P _{rated,h}	kW	2,94	4,30
Sound power level - Max./Med./Min. speed - L _{WA}	dB	44/42/39	57/51/47

Technical note: for the total number of fancoils that can be combined with hybrid systems or heat pumps, it is necessary to evaluate in addition to the power of the appliance, also the flow rate and head characteristics and piping load losses. For more information contact Immergas customer service.

Options kit for HYDRO V2

Type	Art. no.
Connection kit for HYDRO 3/4 V2 left exit To be used in case of left side piping	3.029520



HYDRO FS

Floor standing hydronic fancoil



Ideal for commercial and large buildings.



Renovated
apartment



New
building



Shop
Office



Public
administration



Hotel
Hospital
Shopping center

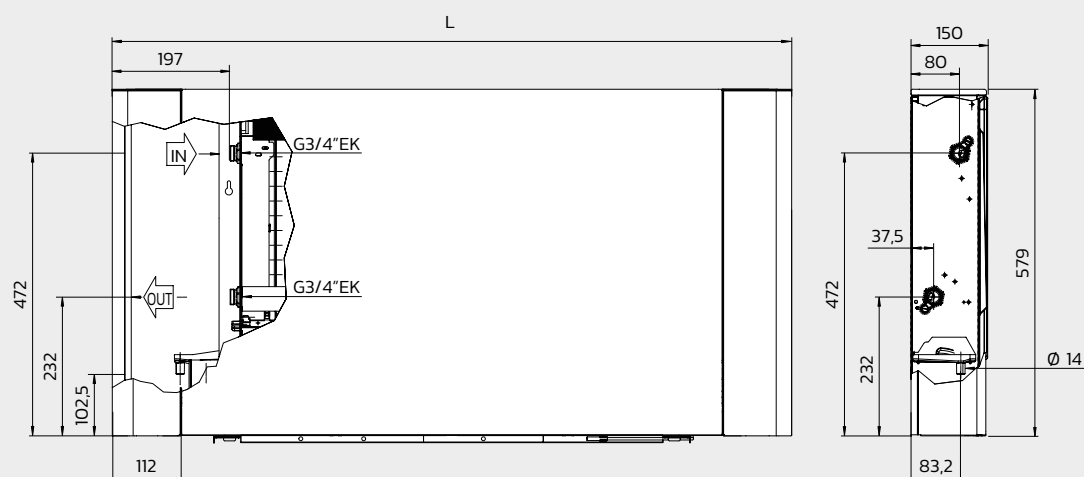
TECHNICAL FEATURES

- **Elegant aesthetics** with white painted casing
- Installation **close to the floor**
- **Reduced depth** for integration into any living context
- **Flow and return connections on the left side** (possible to reverse them right side by option kit)
- **Management via IMMER Vent app thanks to the new panels with integrated Wi-Fi module**
- **Bottom air** intake (minimum distance of 80 mm from the floor)
- **Very low sound impact** thanks to the tangential fan and the DC INVERTER motor
- **Installation template and wall brackets as standard**
- **Flat adapters as standard** and 3/4" hydraulic connections



IMMER Vent app

Easy and flexible app that allows the whole family a smart management of their fan coils. The ideal climate in every room, whenever you want.



Hydraulic connections on the left sides as standard.

Model	W (mm)
FS 200	735
FS 400	935
FS 600	1135
FS 800	1335
FS 1000	1535



MINIMUM MOUNTING DISTANCES

Technical data	Unit of measurement	HYDRO FS 200	HYDRO FS 400	HYDRO FS 600	HYDRO FS 800	HYDRO FS 1000
Art. no.		3.028500	3.028501	3.028502	3.028503	3.028505
Weight	kg	17	20	23	26	29
Heating heat output (water at 45/40 °C)	kW	1,02	2,21	3,02	3,81	4,32
Water flow rate (45/40 °C)	l/h	175	380	519	665	743
Heating load losses (water at 45/40 °C)	kPa	9,1	9,2	19,1	21,2	23,3
Heating heat output (water at 70/60 °C)	kW	1,25	2,66	3,60	4,60	5,17
Water flow rate (70/60 °C)	l/h	108	229	310	396	445
Heating load losses (water at 70/60 °C)	kPa	7,3	7,2	18,1	17	20,3
Cooling heat output (water at 7/12 °C)	kW	0,91/0,71	2,12/1,54	2,81/2,11	3,30/2,65	3,71/2,90
Water flow rate (7/12 °C)	l/h	157	365	483	568	638
Cooling load losses	kPa	12,1	8,2	17,1	18,0	21,2
Power absorbed (Max. / Min. speed)	W	5/11	4/19	6/20	5/29	5/33
Air flow rate (Max. / Med. / Min. speed)	m³/h	49/90/146	118/210/294	180/318/438	247/410/567	262/479/663
Sound power level (Max speed / Max air flow rate)	dB(A)	51/41	53/42	54/44	55/46	57/47
Sound pressure level (Max speed / Max air flow rate)	dB(A)	33/24	34/25	34/26	35/26	38/28

Technical note: for the total number of fancoils that can be combined with hybrid systems or heat pumps, it is necessary to evaluate in addition to the power of the appliance, also the flow rate and head characteristics and piping load losses. For more information contact Immargas customer service.

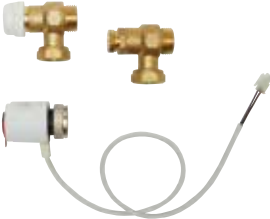
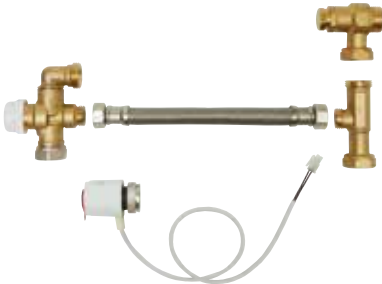


Thermoregulation for HYDRO FS

For the functioning of HYDRO FS it is required to install one of these kits.

Type		Art. no.
Modulating thermoregulation kit For installation on the machine. The kit includes electronic board and air/water probes. Equipped with PI logic, presence entry for deactivation in stand-by mode (window contact) and contact for generator activation. 230 V output for control of the water solenoid valve.		3.028509
4 speeds thermoregulation kit For installation on the machine. The kit includes electronic board and air/water probes. 230 V output for control of the water solenoid valve.		3.028510
Smart touch wall controller with temperature probe and WI-FI module. NEW For management via IMMER Vent app. The kit includes control panel with PI logic and room probe for control up to 30 units. To be combined with the on board electronic control with PID full modulating fan art.no. 3.030876. Available in two colours: black and white		3.037316 <i>(white casing)</i> 3.037317 <i>(black casing)</i>
Smart touch wall controller with temperature probe The kit includes control panel with PI logic and room probe for control up to 30 units. To be combined with the on board electronic control with PID full modulating fan art.no. 3.030876. Available in two colours: black and white		3.030877 <i>(black casing)</i> 3.030878 <i>(white casing)</i>
On board electronic control with PID full modulating fan To be provided in combination with the smart touch wall controllers. To be installed inside the fan coil, it allows to be managed the fan with continuous modulating operation. Equipped water probe, presence entry for deactivation in stand-by mode (window contact) and contact for generator activation. 230 V output for control of the water solenoid valve.		3.030876
Universal control board for commercial thermoregulation To be installed inside the fan coil, it allows to be managed the fan with 4 fixed speeds. It can be combined with commercial thermostats with fan speed selection. 230 V output for control of the water solenoid valve. Multiple boards can be connected in parallel to a single thermostat.		3.028511
Electronic control board with 0-10 V connection To be installed inside the fan coil, it allows to manage the fan with modulating speed through a 0-10 V DC analog input. 230 V output for control of the water solenoid valve.		3.028512

Options kit for HYDRO FS

Type		Art. no.
Sheet metal feet kit Ideal to cover pipes from the floor. Height 80 mm.		3.028506
2-way group valve kit composed of automatic valve with thermoelectric head and holder to balance the plant load losses. Including insulation.		3.028507
3-way group valve kit composed of three-way diverter valve with thermoelectric head, by-pass tube and holder to balance plant load losses. Including insulation.		3.028508
Connection cable to shift water connections from left to right to be used in case of hydraulic connections on the right side, rotating the battery 180° (operation to be carried out on site).		3.029834



HYDRO IN

Wall and ceiling built-in hydronic fancoil



Installation example with casing and aesthetic cover panel

Ideal for commercial and large buildings.



Renovated
apartment



New
buildings



Shop
Office



Public
administration



Hotel
Hospital
Shopping center

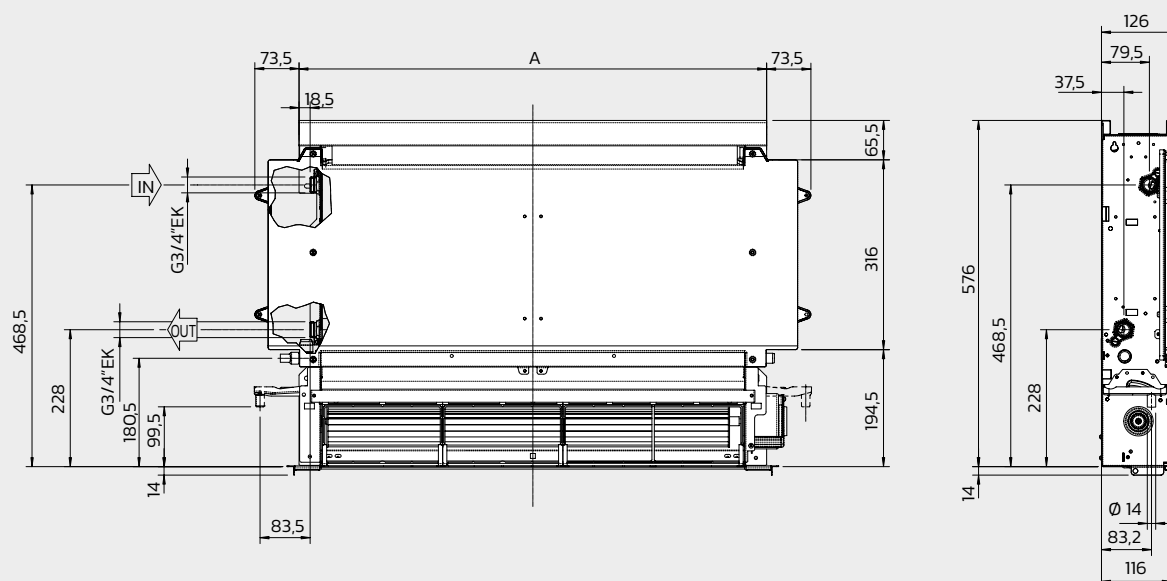
TECHNICAL FEATURES

- **Flow and return connections on the left side** (with possibility of inversion to the right)
- **Reduced aesthetic impact**
- **Respond to every design requirement** (on the wall, ceiling, in false ceiling – not ductable)
- **Management via IMMER Vent app thanks to the new panels with integrated Wi-Fi module**
- **Very low sound impact** thanks to the tangential fan and the DC INVERTER motor
- **Flat adapters as standard and 3/4" hydraulic connections**
- **Balancing valves as standard**
- **Availability of wide range of accessories**
- **Condensate collection system** for vertical or horizontal installation as standard
- **Installation template and wall brackets as standard**



IMMER Vent app

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Hydraulic connections on the left side as standard.

Model	A (mm)	Dimensions aesthetic cover panel H x W (mm)
IN 200	378	754 x 772
IN 400	578	754 x 972
IN 600	778	754 x 1172
IN 800	978	754 x 1372
IN 1000	1178	754 x 1572

Technical data	Unit of measurement	HYDRO IN 200	HYDRO IN 400	HYDRO IN 600	HYDRO IN 800	HYDRO IN 1000
Art. no.		3.029841	3.029842	3.029843	3.029844	3.029845
Weight	kg	9	12	15	18	21
Heating heat output (water at 45/40 °C)	kW	1,02	2,21	3,02	3,81	4,32
Water flow rate (45/40 °C)	l/h	175	380	519	655	743
Heating load losses (water at 45/40 °C)	kPa	9,1	9,2	19,1	21,2	23,3
Heating heat output (water at 70/60 °C)	kW	1,25	2,66	3,60	4,60	5,17
Water flow rate (70/60 °C)	l/h	108	229	310	396	445
Heating load losses (water at 70/60 °C)	kPa	7,3	7,2	18,1	17	20,3
Cooling heat output (water at 7/12 °C)	kW	0,91/0,71	2,12/1,54	2,81/2,11	3,30/2,65	3,71/2,90
Water flow rate (7/12 °C)	l/h	157	365	483	568	638
Cooling load losses	kPa	12,1	8,2	17,1	18,0	21,2
Power absorbed (Max. / Min. speed)	W	5/11	4/19	6/20	5/29	5/33
Air flow rate (Max. / Med. / Min. speed)	m³/h	49/90/146	118/210/294	180/318/438	247/410/567	262/479/663
Sound power level (Max speed / Max air flow rate)	dB(A)	51/41	53/42	54/44	55/46	57/47
Sound pressure level (Max speed / Max air flow rate)	dB(A)	33/24	34/25	34/26	35/26	38/28

Technical note: for the total number of fancoils that can be combined with hybrid systems or heat pumps, it is necessary to evaluate in addition to the power of the appliance, also the flow rate and head characteristics and piping load losses. For more information contact Immergas customer service.



Thermoregulation for HYDRO IN

For the functioning of HYDRO IN it is required to install one of these kits.

Type		Art. no.
Smart touch wall controller with temperature probe and WI-FI module. NEW For management via IMMER Vent app. The kit includes control panel with PI logic and room probe for control up to 30 units. To be combined with the on board electronic control with PID full modulating fan art.no. 3.030876. Available in two colours: black and white		3.037316 <i>(white casing)</i>
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Smart touch wall controller with temperature probe The kit includes control panel with PI logic and room probe for control up to 30 units. To be combined with the on board electronic control with PID full modulating fan art.no. 3.030876. Available in two colours: black and white		3.030877 <i>(black casing)</i>
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Universal control board for commercial thermoregulation To be installed inside the fan coil, it allows to be managed the fan with 4 fixed speeds. It can be combined with commercial thermostats with fan speed selection. 230 V output for control of the water solenoid valve. Multiple boards can be connected in parallel to a single thermostat.		3.028511
Electronic control board with 0-10 V connection To be installed inside the fan coil, it allows to manage the fan with modulating speed through a 0-10 V DC analog input. 230 V output for control of the water solenoid valve.		3.028512

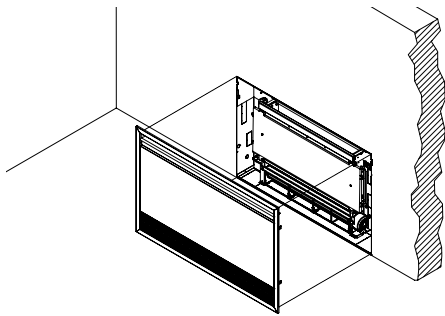
Options for HYDRO IN

2-way group valve kit composed of automatic valve with thermoelectric head and holder to balance the plant load losses. Including insulation.		3.028507
3-way group valve kit composed of three-way diverter valve with thermoelectric head, by-pass tube and holder to balance plant load losses. Including insulation.		3.028508
Connection cable to shift water connections from left to right to be used in case of reversibility of the hydraulic pipe connections on the right side, rotating the battery 180° (operation to be carried out on site).		3.029834

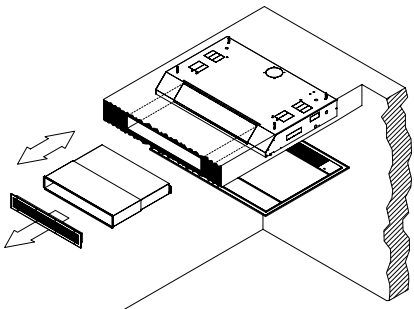
Option kits for HYDRO IN

The installation of the HYDRO IN built-in fan coils provides different assembly solutions based on the chosen solution or if installed on the wall, ceiling or false ceiling. The following pages show all the components available based on the chosen solution and the HYDRO IN version.

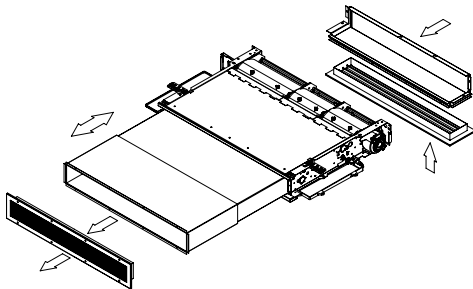
Wall built-in installation

Component	Type
	For this type of installation, in addition to the HYDRO IN, the following optional kits are required: • casing • aesthetic cover panel

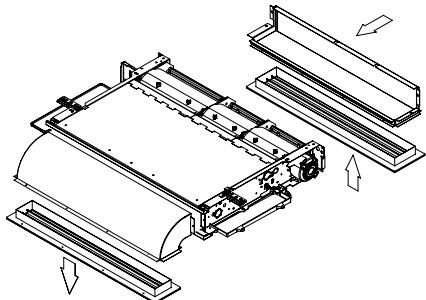
Ceiling built-in installation

	For this type of installation, in addition to the HYDRO IN, the following optional kits are required: • casing • aesthetic cover panel • variable length duct • air flow aluminum grill with straight profile
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Recessed installation in false ceiling with bottom air intake and horizontal throwing

	For this type of installation, in addition to the HYDRO IN, the following optional kits are required: • air intake aluminum grill with straight profile • air intake suction duct • variable length duct • air flow aluminum grill with straight profile
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Recessed installation in false ceiling with intake and airflow at the bottom

	For this type of installation, in addition to the HYDRO IN, the following optional kits are required: • air intake aluminum grill with curved profile • air intake suction duct • 90° bended airflow duct • air flow aluminum grill with curved profile
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Kit for wall built-installation

For this type of installation, in addition to the HYDRO IN, the following optional kits are required:

- Casing
- Aesthetic cover panel

Sheet metal casing

In zinc-coated metal sheet, designed to be inserted in the walls in which to house HYDRO IN.

Type	Dimensions		Art. no.
For HYDRO IN 200	(H x W x D) 725 x 715 x 142 mm		3.029876
For HYDRO IN 400	(H x W x D) 725 x 915 x 142 mm		3.029877
For HYDRO IN 600	(H x W x D) 725 x 1115 x 142 mm		3.029878
For HYDRO IN 800	(H x W x D) 725 x 1315 x 142 mm		3.029879
For HYDRO IN 1000	(H x W x D) 725 x 1515 x 142 mm		3.029880

Casing cover panel with intake air grill

RAL 9003 opaque white colour, including air intake grill and adjustable air flow fin.

For HYDRO IN 200	(H x W x D) 754 x 772 x 9 mm		3.029881
For HYDRO IN 400	(H x W x D) 754 x 972 x 9 mm		3.029882
For HYDRO IN 600	(H x W x D) 754 x 1172 x 9 mm		3.029883
For HYDRO IN 800	(H x W x D) 754 x 1372 x 9 mm		3.029884
For HYDRO IN 1000	(H x W x D) 754 x 1572 x 9 mm		3.029885

Kit for ceiling built-in installation

For this type of installation, in addition to the HYDRO IN, the following optional kits are required:

- Casing
- Aesthetic cover panel
- Variable lenght duct
- Air flow aluminum grill with straight profile

Sheet metal casing

In zinc-coated metal sheet, designed to be inserted in the ceiling in which to house HYDRO IN.

Type	Dimensions		Art. no.
For HYDRO IN 200	(H x W x D) 725 x 715 x 142 mm		3.029876
For HYDRO IN 400	(H x W x D) 725 x 915 x 142 mm		3.029877
For HYDRO IN 600	(H x W x D) 725 x 1115 x 142 mm		3.029878
For HYDRO IN 800	(H x W x D) 725 x 1315 x 142 mm		3.029879
For HYDRO IN 1000	(H x W x D) 725 x 1515 x 142 mm		3.029880

Ceiling casing cover panel with accessible air grill

RAL 9003 opaque white colour, including air intake grill.

For HYDRO IN 200	(H x W x D) 754 x 772 x 9 mm		3.029886
For HYDRO IN 400	(H x W x D) 754 x 972 x 9 mm		3.029887
For HYDRO IN 600	(H x W x D) 754 x 1172 x 9 mm		3.029888
For HYDRO IN 800	(H x W x D) 754 x 1372 x 9 mm		3.029889
For HYDRO IN 1000	(H x W x D) 754 x 1572 x 9 mm		3.029890

Variable lenght air flow duct

Adjustable to adapt to the installation. Made of zinc-coated sheet and internally covered with insulation to avoid condensation.

For HYDRO IN 200	(H x W x D) 1205 x 3075 x 302 min / 590 max mm		3.029851
For HYDRO IN 400	(H x W x D) 1205 x 5075 x 302 min / 590 max mm		3.029852
For HYDRO IN 600	(H x W x D) 1205 x 7075 x 302 min / 590 max mm		3.029853
For HYDRO IN 800	(H x W x D) 1205 x 9075 x 302 min / 590 max mm		3.029854
For HYDRO IN 1000	(H x W x D) 1205 x 11075 x 302 min / 590 max mm		3.029855

Air flow aluminum grill with straight profile

For HYDRO IN 200	(H x W) 98 x 304 mm		3.029861
For HYDRO IN 400	(H x W) 98 x 504 mm		3.029862
For HYDRO IN 600	(H x W) 98 x 704 mm		3.029863
For HYDRO IN 800	(H x W) 98 x 904 mm		3.029864
For HYDRO IN 1000	(H x W) 98 x 1104 mm		3.029865



Kit for recessed installation in false ceiling with bottom air intake and horizontal throwing

For this type of installation, in addition to the HYDRO IN, the following optional kits are required:

- Air intake aluminum grill with straight profile
- Air intake suction duct
- Variable lenght duct
- Air flow aluminum grill with straight profile

Air intake aluminum grill with straight profile

Type	Dimensions		Art. no.
For HYDRO IN 200	(H x W) 120 x 304 mm		3.029866
For HYDRO IN 400	(H x W) 120 x 504 mm		3.029867
For HYDRO IN 600	(H x W) 120 x 704 mm		3.029868
For HYDRO IN 800	(H x W) 120 x 904 mm		3.029869
For HYDRO IN 1000	(H x W) 120 x 1104 mm		3.029870

Air intake suction duct

For HYDRO IN 200	(W) 305 mm		3.029846
For HYDRO IN 400	(W) 505 mm		3.029847
For HYDRO IN 600	(W) 705 mm		3.029848
For HYDRO IN 800	(W) 905 mm		3.029849
For HYDRO IN 1000	(W) 1105 mm		3.029850

Variable lenght air flow duct

Adjustable to adapt to the installation. Made of zinc-coated sheet and internally covered with insulation to avoid condensation.

For HYDRO IN 200	(H x W x D) 120,5 x 307,5 x 302 min / 590 max mm		3.029851
For HYDRO IN 400	(H x W x D) 120,5 x 507,5 x 302 min / 590 max mm		3.029852
For HYDRO IN 600	(H x W x D) 120,5 x 707,5 x 302 min / 590 max mm		3.029853
For HYDRO IN 800	(H x W x D) 120,5 x 907,5 x 302 min / 590 max mm		3.029854
For HYDRO IN 1000	(H x W x D) 120,5 x 1107,5 x 302 min / 590 max mm		3.029855

Air flow aluminum grill with straight profile

In aluminum with double row of fins for adjusting both horizontal and vertical air flow.

For HYDRO IN 200	(H x W) 98 x 304 mm		3.029861
For HYDRO IN 400	(H x W) 98 x 504 mm		3.029862
For HYDRO IN 600	(H x W) 98 x 704 mm		3.029863
For HYDRO IN 800	(H x W) 98 x 904 mm		3.029864
For HYDRO IN 1000	(H x W) 98 x 1104 mm		3.029865

Kit for recessed installation in false ceiling with intake and airflow at the bottom

For this type of installation, in addition to the HYDRO IN, the following optional kits are required

- Air intake aluminum grill with curved profile
- Air intake suction duct
- 90° bended airflow duct
- Air flow aluminum grill with curved profile

Air intake aluminum grill with curved profile

In aluminum. The curved profile completely masks the interior providing more elegance to the application.

Type	Dimensions		Art. no.
For HYDRO IN 200	(H x W) 150 x 334 mm		3.029871
For HYDRO IN 400	(H x W) 150 x 534 mm		3.029872
For HYDRO IN 600	(H x W) 150 x 734 mm		3.029873
For HYDRO IN 800	(H x W) 150 x 934 mm		3.029874
For HYDRO IN 1000	(H x W) 150 x 1104 mm		3.029875

Air intake suction duct

For HYDRO IN 200	(W) 305 mm		3.029846
For HYDRO IN 400	(W) 505 mm		3.029847
For HYDRO IN 600	(W) 705 mm		3.029848
For HYDRO IN 800	(W) 905 mm		3.029849
For HYDRO IN 1000	(W) 1105 mm		3.029850

90° bended airflow duct

Made of zinc-coated sheet and internally covered with insulation to avoid condensation. It allows to convey the air flow coming from the terminal, towards the nozzle placed at right angles to the air outlet.

For HYDRO IN 200	(W) 307,5 mm		3.029856
For HYDRO IN 400	(W) 507,5 mm		3.029857
For HYDRO IN 600	(W) 707,5 mm		3.029858
For HYDRO IN 800	(W) 907,5 mm		3.029859
For HYDRO IN 1000	(W) 1107,5 mm		3.029860

Air flow aluminum grill with curved profile

Made of aluminum. The geometry of the fins is designed to allow a comfortable flow of air.

For HYDRO IN 200	(H x W) 128 x 334 mm		3.029891
For HYDRO IN 400	(H x W) 128 x 534 mm		3.029892
For HYDRO IN 600	(H x W) 128 x 734 mm		3.029893
For HYDRO IN 800	(H x W) 128 x 934 mm		3.029894
For HYDRO IN 1000	(H x W) 128 x 1104 mm		3.029895

NEW

HYDRO VENT

Ducted hydronic fan coil



HYDRO VENT 3 SX model

Ideal for commercial and large buildings.



Renovated
apartment



New
buildings



Shop
Office



Public
administration



Hotel
Hospital
Shopping center

TECHNICALS FEATURES

- **8 multi-fan and multi-zone models available**, can only be installed horizontally, recessed in a false ceiling, with the option of ducting air to different rooms.
- **Non-reversible delivery and return hydraulic connections**: on the left side (SX versions) and on the right side (DX versions)
- **160 mm diameter air delivery connections**, single air recovery connection complete with filter
- **19 mm diameter condensate drain connection**, complete with collection tray
- **Extremely low noise impact** thanks to the inverter-driven centrifugal fans with motor integrated in the fan wheel
- **Management via the IMMER Vent app** thanks to the new panels with integrated Wi-Fi module.
- **Availability of numerous accessories**

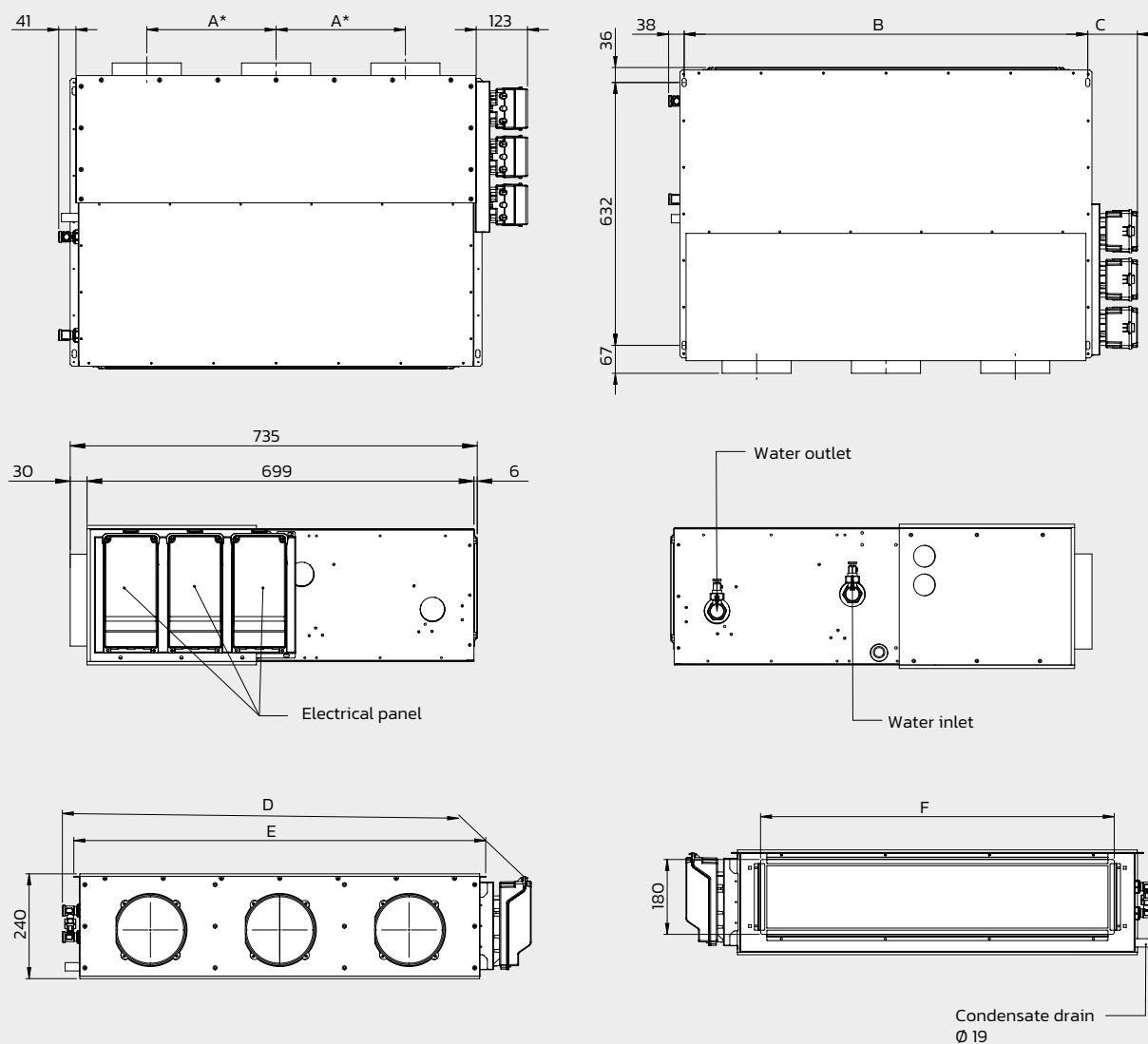


IMMER Vent app

Easy and flexible app that allows the whole family a smart management of their fan coils. The ideal climate in every room, whenever you want.

HYDRO VENT 3 SX

The drawing shows the HYDRO VENT 3 SX model. In the DX versions, all the elements placed on the sides are specular



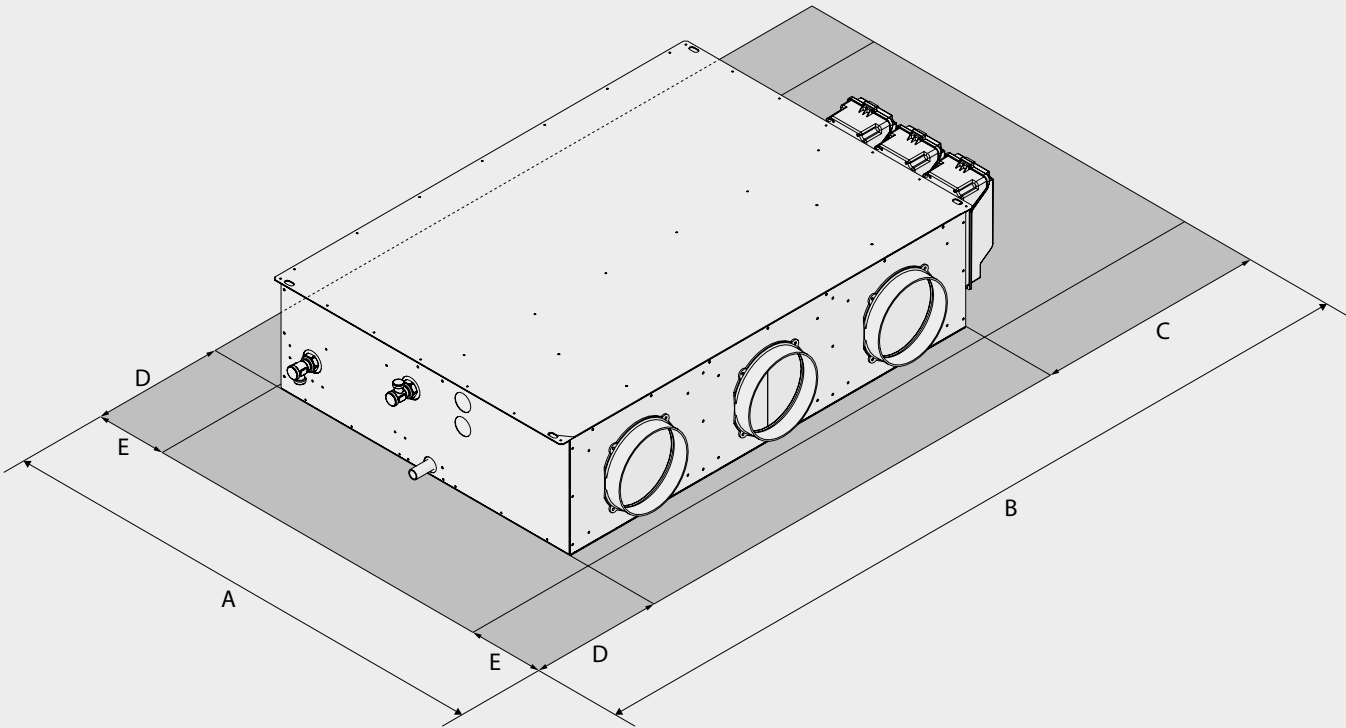
Model	Unit of measurement	A*	B	C	D	E	F
HYDRO VENT 2 DX	mm	366	770	119	927	790	650
HYDRO VENT 2 SX							
HYDRO VENT 3 DX	mm	311	970	119	1127	990	850
HYDRO VENT 3 SX							
HYDRO VENT 4 DX	mm	283	1170	121	1328	1190	1050
HYDRO VENT 4 SX							
HYDRO VENT 5 DX	mm	284	1460	120	1617	1480	1335
HYDRO VENT 5 SX							

* Center to center of the air delivery. The number of ports depends on the HYDRO VENT model.



HATCH DIMENSIONS

For horizontal installation in a false ceiling, it is mandatory to make an access hatch for inspection and maintenance of the appliance.



Hatch dimensions	Unit of measurement	HYDRO VENT 2	HYDRO VENT 3	HYDRO VENT 4	HYDRO VENT 5
A	mm	795	795	795	795
B	mm	1490	1690	1890	2140
C	mm	350	350	350	350
D	mm	350	350	350	350
E	mm	50	50	50	50

Technical note: The instruction booklet provides all technical information to ensure proper installation.

Technical data	Unit of measurement	HYDRO VENT 2	HYDRO VENT 3	HYDRO VENT 4	HYDRO VENT 5
Art. no. DX model		3.037081	3.037082	3.037083	3.037084
Art. no. SX model		3.037127	3.037128	3.037129	3.037130
Fan	nr	2	3	4	5
FAN COIL AIR PERFORMANCE					
Maximum air flow rate	m ³ /h	640	960	1280	1600
Useful head	Pa	100	100	100	100
SINGLE ZONE FAN COIL AIR PERFORMANCE					
Maximum air flow rate	m ³ /h	320	320	320	320
Average air flow rate	m ³ /h	210	210	210	210
Minimum air flow rate	m ³ /h	60	60	60	60
HEATING PERFORMANCE (W 45; A 20)*					
Total power output	kW	4,14	6,94	8,29	8,94
Water flow rate	l/h	722	1164	1190	1566
Head loss	kPa	39,15	74,65	21,07	41,11
SINGLE ZONE HEATING PERFORMANCE (W 45; A 20)*					
Total power output	kW	2,39	2,39	2,39	2,39
COOLING PERFORMANCE (W 7; A 27)**					
Total power output	kW	3,79	5,54	6,37	7,73
Sensitive power output	kW	3,15	4,91	5,68	6,71
Water flow rate	l/h	644	998	1123	1327
Head loss	kPa	36,36	62,67	18,22	32,52
SINGLE ZONE COOLING PERFORMANCE (W 7; A 27)**					
Total power output	kW	1,99	1,99	1,99	1,99
Sensitive power output	kW	1,25	1,25	1,25	1,25
HEAT EXCHANGER (W 7; W 12)***					
Coil water content	l	1,13	1,46	1,80	2,14
Water pressure max-min	bar	10-1	10-1	10-1	10-1
Water temperatura max-min	°C	80-7	80-7	80-7	80-7
ROOM-SIDE NOISE LEVELS (UNI EN 3741; 3744)****					
Sound power transmitted to the structure L _w	dB(A)	60,0	61,0	62,0	64,0
Sound power radiated in the duct L _w	dB(A)	65,0	69,0	69,0	71,0
Average sound pressure at 1 m L _p	dB(A)	46,0	47,0	48,0	51,0
Average sound pressure at 3 m L _p	dB(A)	39,0	40,0	42,0	44,0
Electric power supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Total maximum absorbed power	W	140	210	280	350
Total maximum absorbed current	A	0,70	1,40	2,10	2,80
Weight	kg	28,0	38,0	47,0	56,0

* Coil water temperature 45/40°C; Room air temperature 20°C (EU regulation 2016/2281); max speed.

** Coil water temperature 7/12°C; Room air temperature 27°C d.b. and 19°C w.b. (EU Regulation 2016/2281); max speed.

*** Flow water temperature 7°C; Return water temperature 12°C.

**** Data referring to UNI EN 3741 and UNI EN 3744 standards.

Technical note: To determine the total number of fan coils that can be combined with hybrid systems or heat pumps, it's necessary to evaluate not only the appliance's power but also the flow rate and head characteristics and the pipe pressure drops. For the pressure drop graph, refer to the instruction booklet. For more information, contact Immergas customer service.

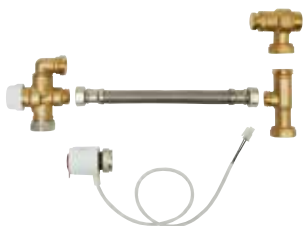


Thermoregulation for HYDRO VENT

For the operation of HYDRO VENT it is required to install one of these kits. Each fan on the HYDRO VENT is equipped with its own standard electronic board that allows for modulation. The board is equipped with a water probe, a presence input for standby deactivation (window contact) and a contact for generator activation. The equipment also includes a 230V output for controlling the water solenoid valve.

Type		Art. no.
Smart touch wall controller with temperature probe and WI-FI module. NEW For management via IMMER Vent app. The kit includes control panel with PI logic and room probe for control up to 30 fans. To be connected to the HYDRO VENT electronic board. Available in two colours: black and white		3.037316 <i>(black casing)</i>
		3.037317 <i>(white casing)</i>
Smart touch wall controller with temperature probe The kit includes control panel with PI logic and room probe for control up to 30 fans To be connected to the HYDRO VENT electronic board. Available in two colours: black and white		3.030877 <i>(black casing)</i>
		3.030878 <i>(white casing)</i>

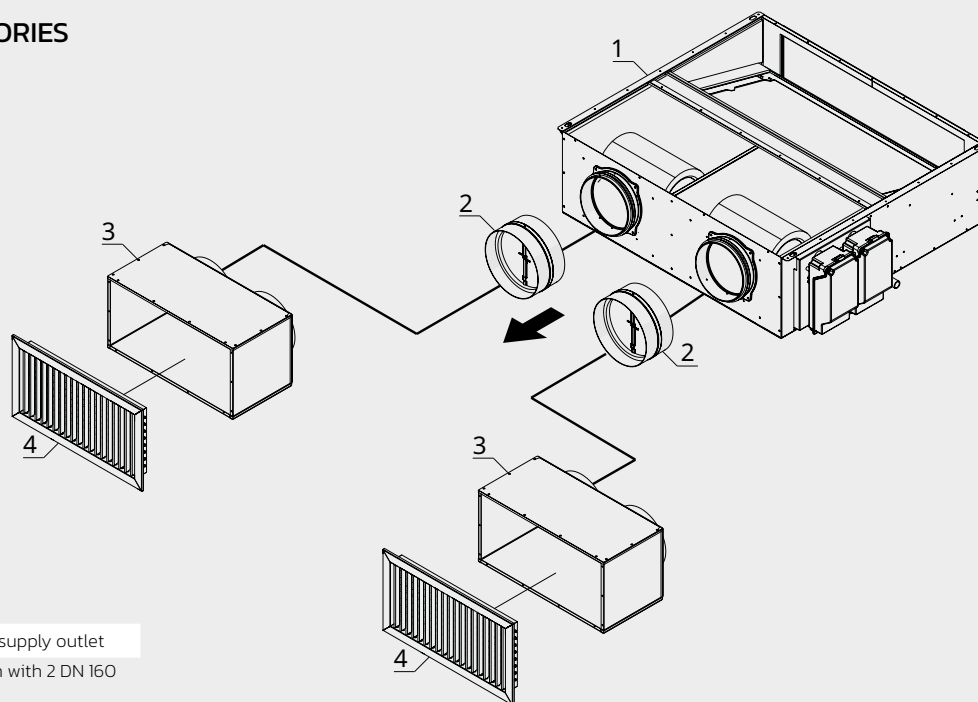
Options for HYDRO VENT

2-way group valve kit composed of automatic valves with thermoelectric head and holder to balance the plant load losses. Including insulation.		3.028507
3-way group valve kit composed of three-way diverter valves with thermoelectric head, by-pass tube and holder to balance plant load losses. Including insulation.		3.028508
Manual 2-way valve assembly kit composed of valves for machine maintenance		3.037126
Clamps for hose DN 160 kit To fix the aluphonic insulated hoses to DN 160 inlets. Consists of 10 pcs.		3.037677

Options for HYDRO VENT

The wide range of accessories guarantees extreme installation versatility for HYDRO VENT fan coils. The following pages illustrate all the optional features available for creating their conditioning system.

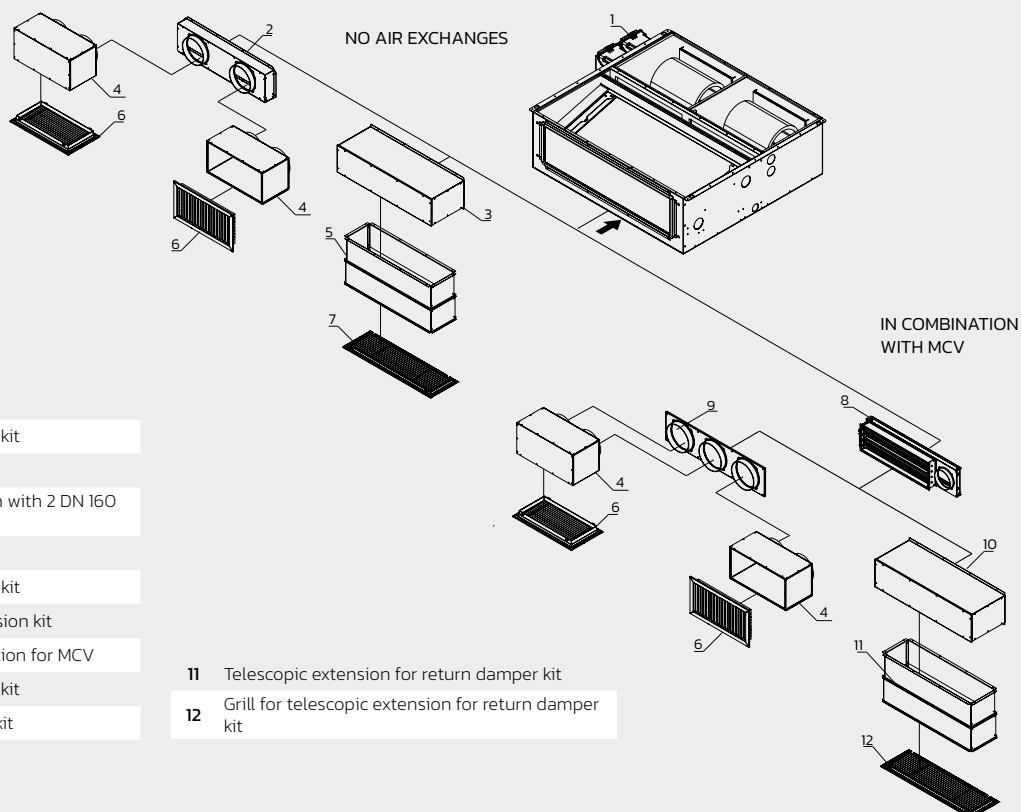
AIR SUPPLY ACCESSORIES



Key

- 1 HYDRO VENT
- 2 Non-return damper DN 160 for supply outlet
- 3 Insulated supply/return plenum with 2 DN 160 inlets kit
- 4 White grill with adjustable fins kit

AIR RETURN ACCESSORIES



Key

- 1 HYDRO VENT
- 2 Return plate with DN 160 inlets
- 3 Return 90° plenum
- 4 Insulated supply/return plenum with 2 DN 160 inlets kit
- 5 Return telescopic extension kit
- 6 White grill with removable filter kit
- 7 Grill for return telescopic extension kit
- 8 Return damper kit with connection for MCV
- 9 Return plate with DN 160 inlets
- 10 90° plenum for return damper kit
- 11 Telescopic extension for return damper kit
- 12 Grill for telescopic extension for return damper kit

Accessories for installation of recovery without air exchange

Return 90° plenum kit

Type	Dimensions (max)		Art. no.
For HYDRO VENT 2	(H x W x D) 209 x 732 x 260 mm		3.037085
For HYDRO VENT 3	(H x W x D) 209 x 932 x 260 mm		3.037086
For HYDRO VENT 4	(H x W x D) 209 x 1132 x 260 mm		3.037087
For HYDRO VENT 5	(H x W x D) 209 x 1422 x 260 mm		3.037088

Return telescopic extension kit

For HYDRO VENT 2	(H x W x D) 212 x 680 x 155 min/305 max mm		3.037097
For HYDRO VENT 3	(H x W x D) 212 x 880 x 155 min/305 max mm		3.037098
For HYDRO VENT 4	(H x W x D) 212 x 1080 x 155 min/305 max mm		3.037099
For HYDRO VENT 5	(H x W x D) 212 x 1370 x 155 min/305 max mm		3.037100

Grill for return telescopic extension kit

For HYDRO VENT 2	(H x W x D) 211 x 673 x 25 mm		3.037344
For HYDRO VENT 3	(H x W x D) 211 x 873 x 25 mm		3.037345
For HYDRO VENT 4	(H x W x D) 211 x 1073 x 25 mm		3.037346
For HYDRO VENT 5	(H x W x D) 211 x 1373 x 25mm		3.037347

Return plate with DN 160 inlets kit

For HYDRO VENT 2	(H x W x D) 214 x 714 x 105 mm		3.037089
For HYDRO VENT 3	(H x W x D) 214 x 914 x 105 mm		3.037090
For HYDRO VENT 4	(H x W x D) 214 x 1114 x 105 mm		3.037091
For HYDRO VENT 4	(H x W x D) 214 x 1404 x 105 mm		3.037092

Accessories for installation of return with connection for MCV

Return damper kit with connection for MCV

Type	Dimensions (max)		Art. no.
For HYDRO VENT 2	(H x W x D) 242 x 778 x 132 mm		3.037101
For HYDRO VENT 3	(H x W x D) 242 x 978 x 132 mm		3.037102
For HYDRO VENT 4	(H x W x D) 242 x 1178 x 132 mm		3.037103
For HYDRO VENT 5	(H x W x D) 242 x 1526 x 166 mm		3.037104

90° plenum for return damper kit

For HYDRO VENT 2	(H x W x D) 241 x 572 x 286 mm		3.037109
For HYDRO VENT 3	(H x W x D) 241 x 742 x 286 mm		3.037110
For HYDRO VENT 4	(H x W x D) 241 x 942 x 286 mm		3.037111
For HYDRO VENT 5	(H x W x D) 241 x 1232 x 286 mm		3.037112

Telescopic extension for return damper kit

For HYDRO VENT 2	(H x W x D) 240 x 556 x 155 min/305 max mm		3.037113
For HYDRO VENT 3	(H x W x D) 240 x 726 x 155 min/305 max mm		3.037114
For HYDRO VENT 4	(H x W x D) 240 x 926 x 155 min/305 max mm		3.037115
For HYDRO VENT 5	(H x W x D) 240 x 1216 x 155 min/305 max mm		3.037116

Grill for telescopic extension for return damper kit

For HYDRO VENT 2	(H x W x D) 232,6 x 551 x 25 mm		3.037117
For HYDRO VENT 3	(H x W x D) 232,6 x 721 x 25 mm		3.037118
For HYDRO VENT 4	(H x W x D) 232,6 x 921 x 25 mm		3.037119
For HYDRO VENT 5	(H x W x D) 232,6 x 1211 x 25 mm		3.037120



Accessories for installation of return with connection for MCV

Plate with DN 160 inlets for return damper kit

Type	Dimensions (max)		Art. no.
For HYDRO VENT 2	(H x W x D) 240 x 560 x 47 mm		3.037105
For HYDRO VENT 3	(H x W x D) 240 x 730 x 47 mm		3.037106
For HYDRO VENT 4	(H x W x D) 240 x 930 x 47 mm		3.037107
For HYDRO VENT 5	(H x W x D) 240 x 1220 x 47 mm		3.037108

Accessories for supply/return

Insulated supply/return plenum with 2 DN 160 inlets kit

For max 2 aluphonic insulated hoses and to be completed with grill	(H x W x D) 199 x 420 x 236 mm		3.037121
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White grill with adjustable fins kit

For supply/return plenum with 2 DN 160 inlets kit. Suggested for supply	(H x W x D) 235 x 435 x 40 mm		3.037124
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White grill with removable filter kit

For supply/return plenum with 2 DN 160 inlets kit. Suggested for return	(H x W x D) 235 x 435 x 40 mm		3.037125
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Aluphonic insulated hose DN160

To be used for supply or return. To be fixed with clamps	Length 10 m		3.037123
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ACCESSORIES

Non-return damper DN 160 for supply outlet

Type	Dimensions (max)		Art. no.
To be inserted to supply inlets of HYDRO VENT .	(Ø x D) 160 X 81 mm		3.037122

Replacement filter

For HYDRO VENT 2	(H x W x D) 180 x 650 x 4 mm		3.037093
For HYDRO VENT 3	(H x W x D) 180 x 850 x 4 mm		3.037094
For HYDRO VENT 4	(H x W x D) 180 x 1050 x 4 mm		3.037095
For HYDRO VENT 5	(H x W x D) 180 x 1335 x 4 mm		3.037096



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