

HYDRO FS

Floor standing hydronic fancoil



Ideal for commercial and large buildings.



Renovated
apartment



New
building



Shop
Office



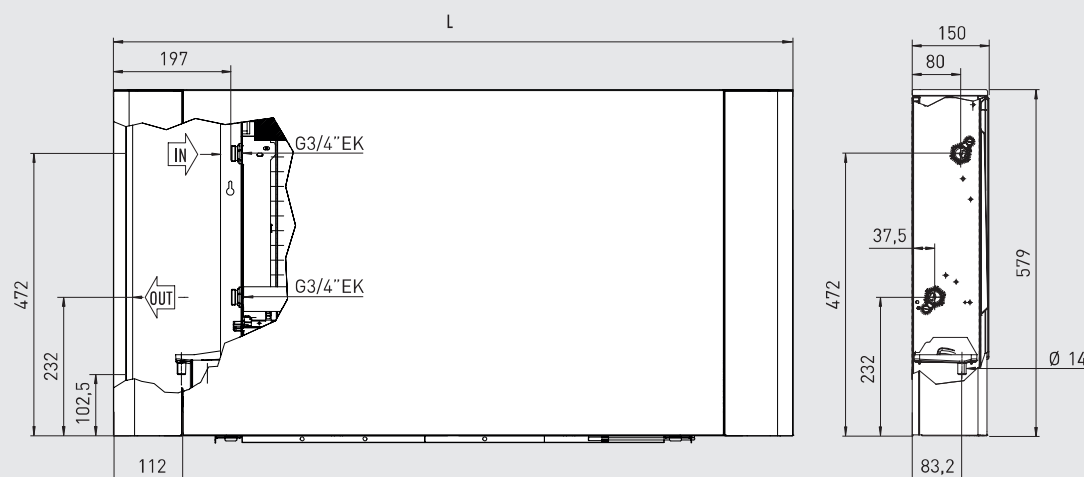
Public
administration



Hotel
Hospital
Shopping center

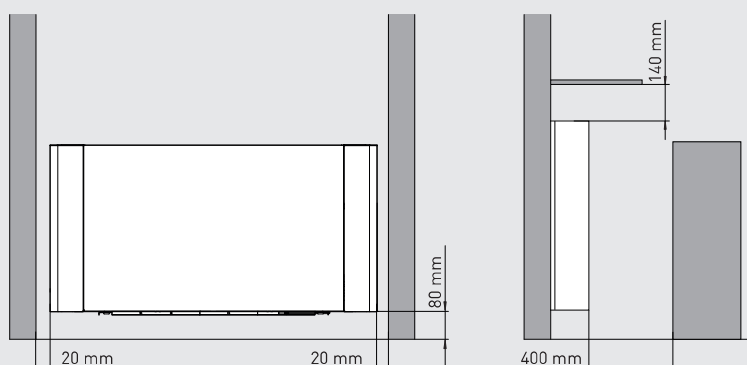
TECHNICAL FEATURES

- **Elegant aesthetics** with white painted casing
- **Reduced depth** for integration into any living context
- **Flow and return connections on the left side** (with possibility of reversing to the right)
- **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



Hydraulic connections on the left side as standard.

Model	L
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
Code		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	0,97	2,17	3,11	3,88	4,37
Water flow rate (45/40 °C)	l/h	168	374	535	668	752
Heating load losses (water at 45/40 °C)	kPa	7,8	7,2	11,5	21,3	20,4
Heating heat output (water at 70/60 °C)	kW	1,89	3,99	5,47	6,98	8,30
Water flow rate (70/60 °C)	l/h	162	343	471	600	714
Heating load losses (water at 70/60 °C)	kPa	6,7	7,6	16,1	14	19,8
Cooling heat output (water at 7/12 °C)	kW	0,76	1,77	2,89	3,20	3,73
Water flow rate (7/12 °C)	l/h	130	304	497	551	642
Cooling load losses	kPa	4,7	2,9	27,0	24,0	31,0
Power absorbed (Max. / Med. / Min. speed)	W	11/3	19/3	20/4	29/5	30/6
Air flow (Max. / Med. / Min. speed)	m³/h	146/90/49	294/210/118	438/318/180	567/410/247	663/479/262
Sound power level at max speed	dB(A)	50	51	53	55	56

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.

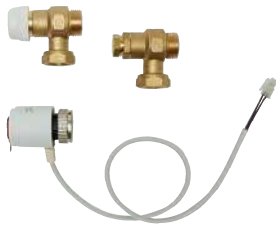
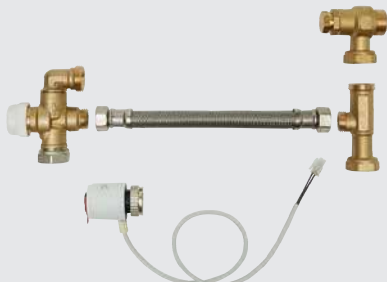


Thermoregulation for HYDRO FS

For the functioning of HYDRO FS it is required to install one of these kits to be able to manage the fan coil.

Type		Code
Modulating thermoregulation kit including control panel with display, electronic board and NTC air probe. For installation on the machine, allows the room temperature adjustment using 4 types of programs: Auto, Silent, Night and Max. Equipped with PI logic and memory, to preserve the settings in case of shutdown or failure of tension. Equipped with presence entry for deactivation in stand-by mode (ideal for hotels or window contacts).		3.028509
4 speeds thermoregulation kit including control panel and probe NTC air. For installation on the machine, with adjustment speed on 4 steps. Enables adjustment of the room temperature (adjustable setpoint 5 - 40 ° C), one of the 4 speeds and the summer / winter selection. The control panel has memory to preserve settings in case of shutdown or lack of voltage. It has a 230 V output for control of the water solenoid valve..		3.028510
Universal control board for commercial thermoregulation For installation on the machine, allows to manage the fan motor, with fixed speeds. It has a 230 V output for piloting water solenoid valve in summer and winter. Can be combined with thermostat commercial controls with fan speed selection. The 4 speed inputs activate the fan, according to pre-established speeds (possible also combination of 3-speed thermostats, taking advantage of 3 of the 4 available inputs). Multiple cards can be connected in parallel to one single thermostat.		3.028511
Electronic control board with 0-10 V connection It allows to manage the fan motor, with modulating speed. The motor adjustment is carried out through a 0-10 V DC analog input. It has a 230 V output for piloting of the water solenoid valve.		3.028512

Option kits for HYDRO FS

Type		Code
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