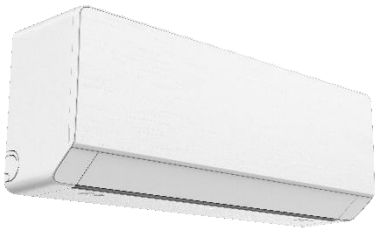
TECHNICAL DATA SHEET
HYDROSPLIT FALKO WHITE INVERTER

Data Sheet Code: XSCT00162 Rev00 - Date 10/09/2025

Family: Hydronic Terminals

DESCRIPTION



Falko White Inverter is the hydrosplit for wall installation. Thanks to its elegant aesthetics, the thickness of only 20 cm and the high-efficiency exchange battery with tangential fan unit with extremely silent characteristics, it can be installed in any environment. Equipped with digital adjustment system with standard infrared remote control. Complete white casing with transparent LCD display, condensate drain pan and extractable thin weft filter. Water connections ½ " M.

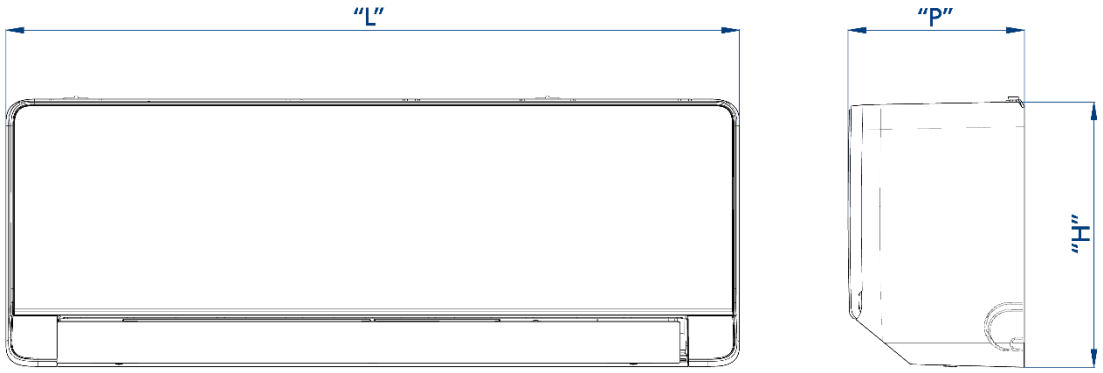
Field of use

The FALKO White Inverter series is designed to:

- Heat, cool and dehumidify.
- Emit power with high efficiency at high as well as low flow temperatures (excellent for heat pump systems).
- Combine with both conventional and condensing boilers, solar systems and heat pumps.

FALKO White Inverter can detect room temperature using the on-board probe.

Technical drawing (dimensions in mm)



CODE	DESCRIPTION	L [mm]	H [mm]	P [MM]
THMB03A	FALKO WHITE 350 INVERTER	827	300	200
THMB05A	FALKO WHITE 500 INVERTER	827	300	200
THMB07A	FALKO WHITE 700 INVERTER	827	300	200
THMB08A	FALKO WHITE 850 INVERTER	997	322	221
THMB10A	FALKO WHITE 1000 INVERTER	997	322	221

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Technical data

DESCRIPTION	MU.	FALKO WHITE 350 INVERTER	FALKO WHITE 500 INVERTER	FALKO WHITE 700 INVERTER	FALKO WHITE 850 INVERTER	FALKO WHITE 1000 INVERTER
CODE		THMB03A	THMB05A	THMB07A	THMB08A	THMB10A
Total cooling capacity 7°C (1)	**W**	**1'808**	**2'712**	**3'618**	**4'514**	**5'406**
Sensible cooling power	W	1'480	2'220	2'965	3'700	4'430
Water flow rate	l/min	5,16	7,83	10,33	13	15,5
Pressure drop only Falko White	kPa	47	53	55	53	55
Pressure drop valve 2 and 3-way KVs=1.7	kPa	5	9	20	23	32
Heating power 45 °C (2)	**W**	**2'198**	**3'265**	**4'230**	**5'437**	**6'478**
Water flow	l/min	6,3	9,3	12	15,5	18,5
Falko White pressure drop	kPa	47	53	55	53	55
Pressure drop 3-way valve KVs=1.7	kPa	7	14	22	34	47
Air Flowrate max speed	**mc/h**	**340**	**510**	**680**	**850**	**1020**
Sound pressure speed Max. (*)	dB (A)	36	39	43	46	47
Sound pressure speed Med. (*)	dB (A)	33	35	38	40	43
Sound pressure speed Min. (*)	dB (A)	31	33	36	38	41
Power supply-protection grade.	V/ph/Hz	230/1+N/50—IP23				
Max electrical consumption speed	W	33	40	48	44	50
Maximum current	A	0,19	0,23	0,27	0,25	0,28
Hydraulic connections	inch	Rc ½"				
Actuator output		230V - Max 60mA resistive (15W)				
Water content	Liters	0,5	0,9	1,2	1,5	1,9
Condensate drainage pipe	mm	DN 15				
Maximum operating temperature	°C	70				
Maximum working pressure	MPa	1,6				
Net weight	Kg	8,8	8,8	9	11,6	11,6

(1) Temp. Inlet water 7°, Δ T 5 °C, Temp. Room 27 °C RH 47% (UNI EN 1397 :2015)
(2) Temp. Inlet water 45°, Δ T 5 °C Temp. Environment 20 °C (UNI EN 1397:2015)
(*) Sound pressure (dBA) r=1.5m, Q=1 (UNI EN ISO 3741:2010)

Specification item

Hydrosplit FALKO White 350 Inverter (THMB03A).

Hydronic terminal for wall mounting, consisting of high efficiency exchange coil in copper-aluminum with expanded finned pack, frame internally coated with sound absorbing material. With very silent cross-flow tangential fan group. Continuously modulating AC Inverter motor mounted on EPDM anti-vibration supports. Control by infrared remote control, on-board transparent display showing temperature or setpoint indication. Complete with condensate collection tray and thin weft synthetic removable filter.
Nominal air flow 340 m3/h, heat output in cooling 1'808 W, in heating 2'198 W. Depth of 200 mm. Hydraulic connections 1/2" M.

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Hydrosplit FALKO White 500 Inverter (THMB05A).

Hydronic terminal for wall mounting, consisting of high efficiency exchange coil in copper-aluminum with expanded finned pack, frame internally coated with sound absorbing material. With very silent cross-flow tangential fan group. Continuously modulating AC Inverter motor mounted on EPDM anti-vibration supports. Control by infrared remote control, on-board transparent display showing temperature or setpoint indication. Complete with condensate collection tray and thin weft synthetic removable filter.
Nominal air flow 510 m3/h, heat output in cooling 2'712 W, in heating 3'265 W. Depth of 200 mm. Hydraulic connections 1/2" M.

Hydrosplit FALKO White 700 Inverter (THMB07A).

Hydronic terminal for wall mounting, consisting of high efficiency exchange coil in copper-aluminum with expanded finned pack, frame internally coated with sound absorbing material. With very silent cross-flow tangential fan group. Continuously modulating AC Inverter motor mounted on EPDM anti-vibration supports. Control by infrared remote control, on-board transparent display showing temperature or setpoint indication. Complete with condensate collection tray and thin weft synthetic removable filter.
Nominal air flow rate 680 m3/h, heat output in cooling 3'618 W, in heating 4'230 W. Depth of 200 mm. Hydraulic connections 1/2" M.

Hydrosplit FALKO White 850 Inverter (THMB08A).

Hydronic terminal for wall mounting, consisting of high efficiency exchange coil in copper-aluminum with expanded finned pack, frame internally coated with sound absorbing material. With very silent cross-flow tangential fan group. Continuously modulating AC Inverter motor mounted on EPDM anti-vibration supports. Control by infrared remote control, on-board transparent display showing temperature or setpoint indication. Complete with condensate collection tray and thin weft synthetic removable filter.
Nominal air flow 850 m3/h, heat output in cooling 4'514 W, in heating 5'437 W. Depth of 221 mm. Hydraulic connections 1/2" M.

Hydrosplit FALKO White 1000 Inverter (THMB10A).

Hydronic terminal for wall mounting, consisting of high efficiency exchange coil in copper-aluminum with expanded finned pack, frame internally coated with sound absorbing material. With very silent cross-flow tangential fan group. Continuously modulating AC Inverter motor mounted on EPDM anti-vibration supports. Control by infrared remote control, on-board transparent display showing temperature or setpoint indication. Complete with condensate collection tray and thin weft synthetic removable filter.
Nominal air flow 1020 m3/h, heat output in cooling 5'406 W, in heating 6'478 W. Depth of 221 mm. Hydraulic connections 1/2" M.

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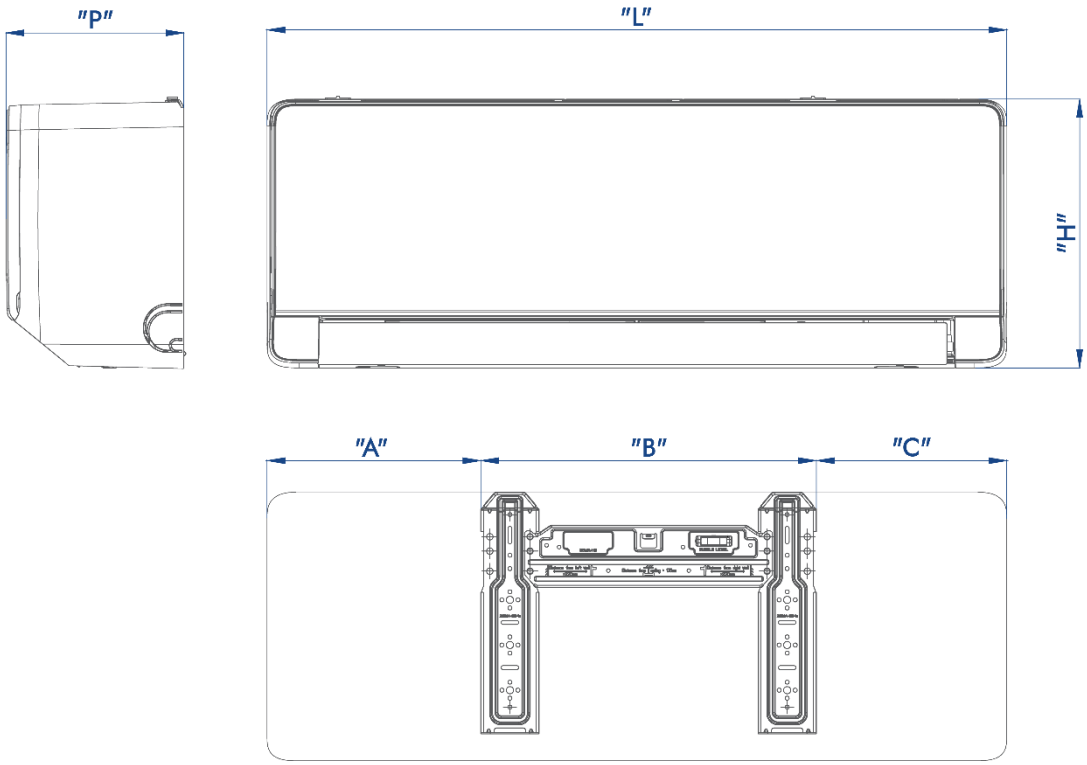
Installation diagrams

Installation measurements



CODE	DESCRIPTION	L [mm]	H [mm]	P [mm]	A [mm]	B [mm]	C [mm]
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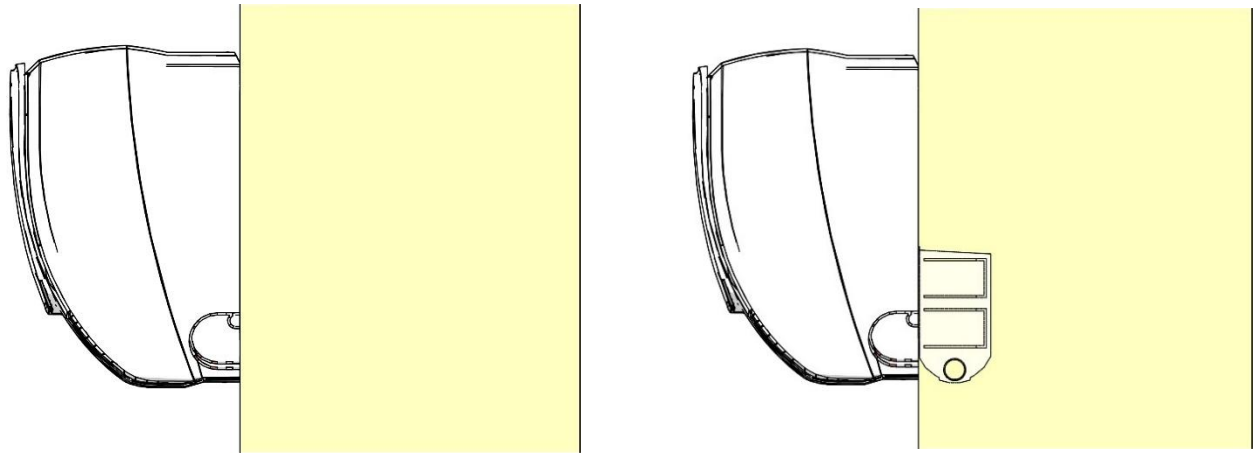
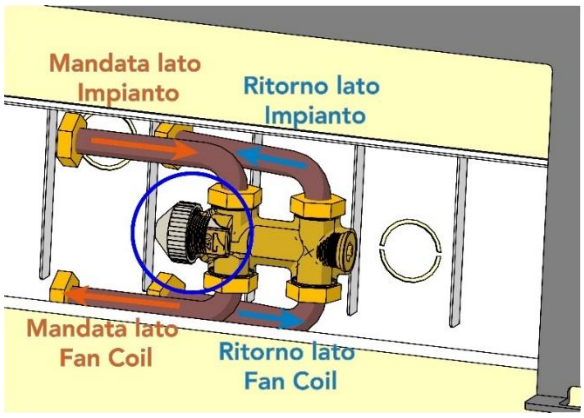
Direct wall installation | **Installation with predisposition cassette**



FALKO White Inverter can be installed on the wall's face either directly on the wall or by using the common flush-mounted predisposition boxes for air conditioners, with minimum dimensions as shown in the figure.



To make installation easier, there is the "Enlarged pre-installation box for Ikaro and Falko (code TGCL30).
The 2-way kits (code TGCL14) or 3-way (cod. TGCL15) with electrothermal actuator (cos. SLTS04), sold as an accessory.



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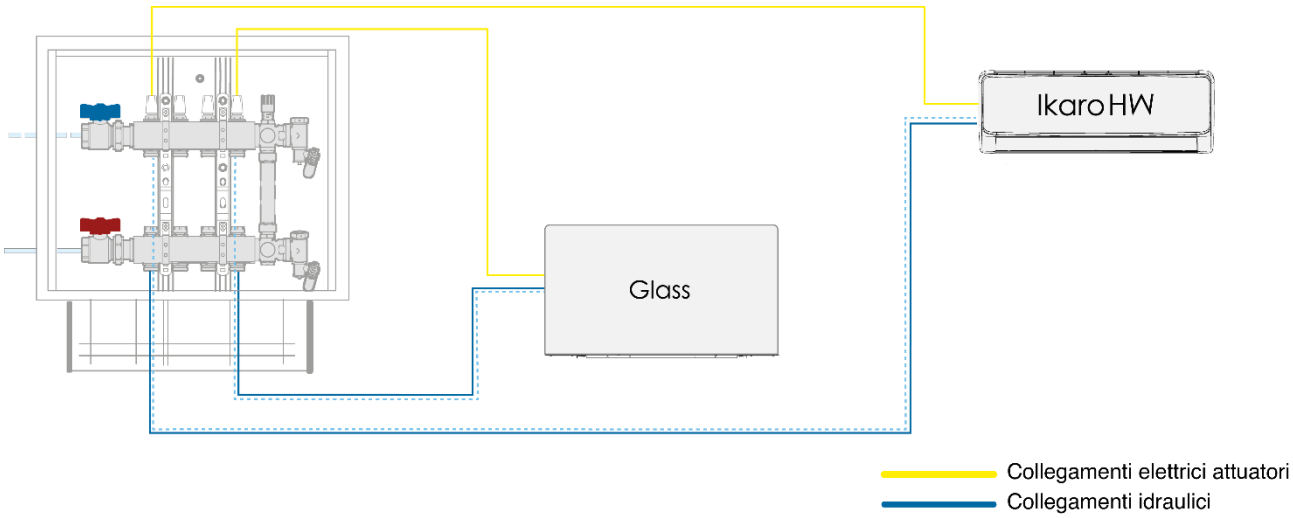
Alternatively, the manifold kits for 2-way hydronic terminals can be used (code TGKSxx) or 3-way (code TGKBxx)



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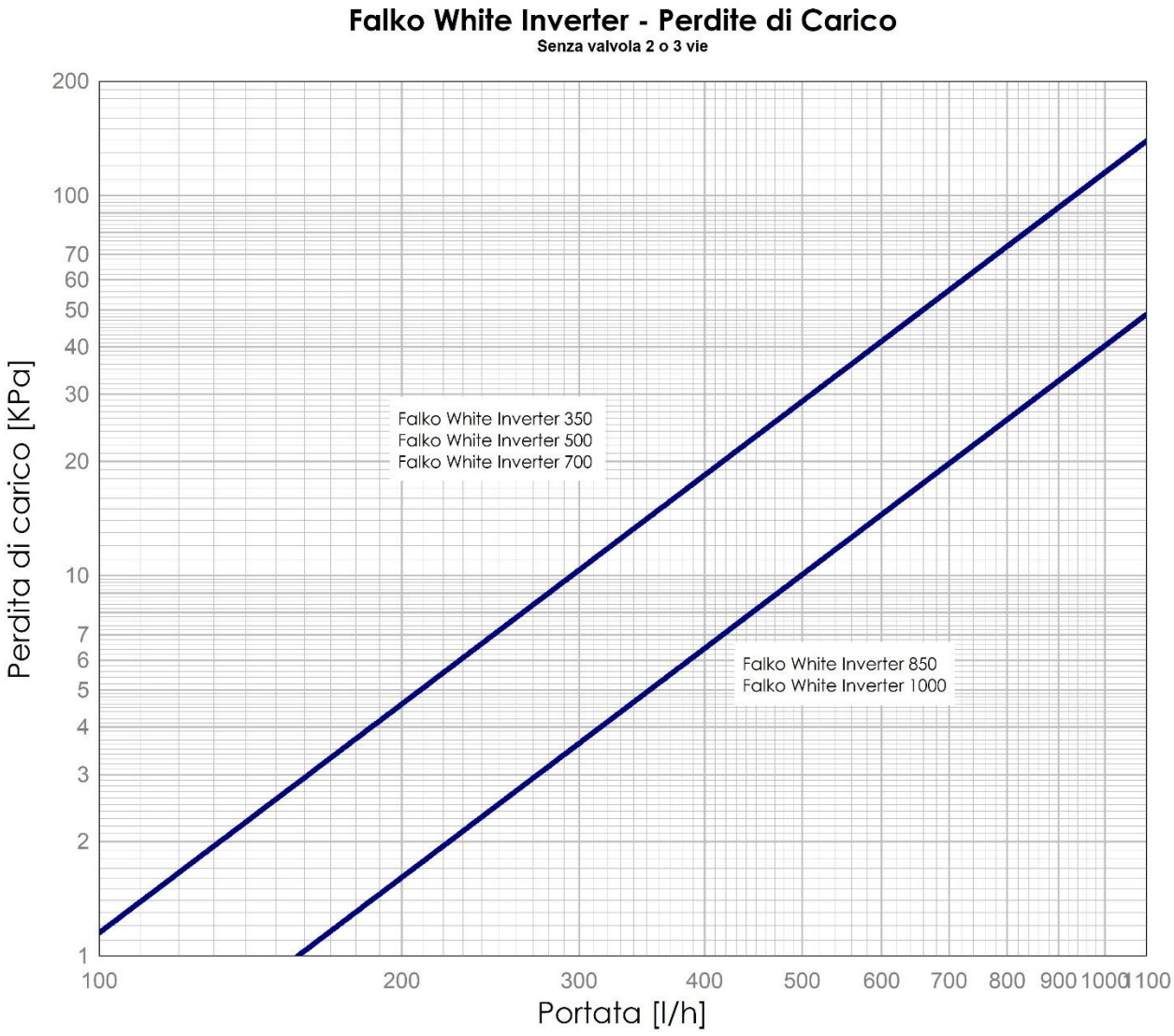
Load losses Hydrosplit FALKO White Inverter alone



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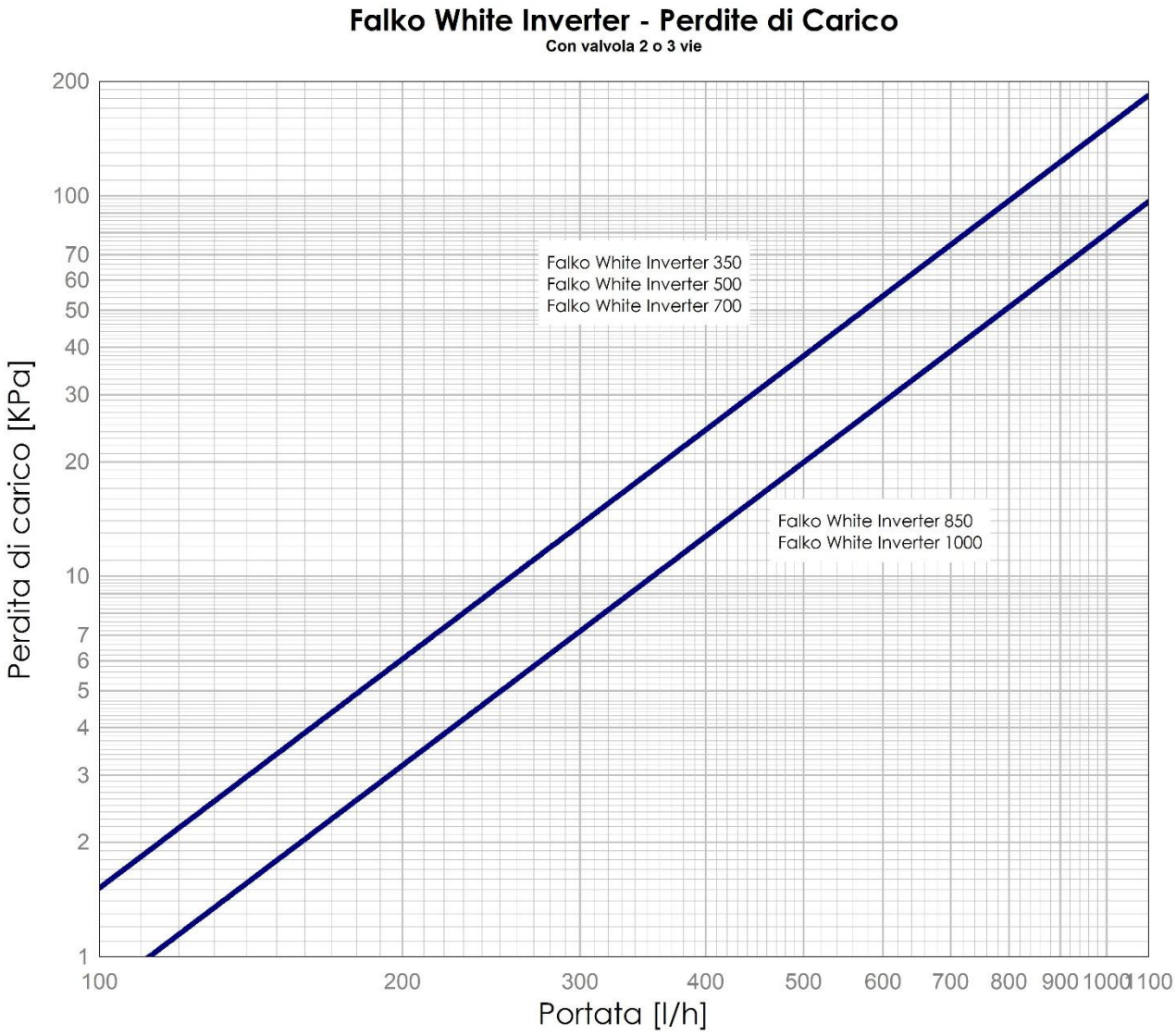
Falko pressure drops with 2 or 3-way kit



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