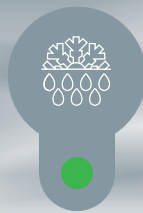
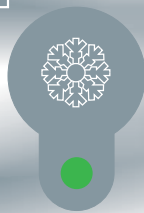


BLOCKSYSTEM



RIVACOLD

INTRODUCTION

The Blocksystem is a complete refrigerating system contained in one housing, consisting of a condensing unit, evaporator and an electrical control panel. This solution enables the product to be easily installed, with compact overall dimensions and reduced maintenance costs.

All Blocksystems are equipped with:

- self-supporting casing in zinc-plated metal sheet, which is coated with epoxy powder and easily removable panels for fast access to components during inspection or maintenance operations;
- hermetic or semi hermetic compressors with thermal motor protection;
- heat exchangers with aluminium fins and copper coils;
- direct gas expansion with capillary tube or thermostatic expansion valve (optional when not fitted as standard);
- air cooled condenser (optional condensation by water when provided);
- automatic defrosting with programmable run, duration and frequency settings;
- integral evaporating condensing water tray, or condensing water direct discharge;
- electronic board that can be programmed according to different user requirements;
- integral or remote control panel (optional when not fitted as standard);
- additional electronic module for master/slave operation (optional used to connect more blocksystem units together in a cold room with the possibility for synchronised operations);
- additional electronic module for monitoring, recording and remote management (optional);
- remote management system (optional).

The quality of the components used, the care of the assembling process and severe inspection tests guarantee a highly reliable and safe product.

Blocksystems are available for the following application fields:

- High Temperature (HBP) +10°C / +2°C
- Medium Temperature (MBP) +5°C / -5°C
- Low Temperature (LBP) -15°C / -25°C

They consist of the following different ranges:

BLOCKSYSTEM SF

Range for ceiling installation. This enables the optimum use of the total cold room volume. They are equipped with a remote electrical control panel with a cable length of 5 m. Capillary expansion. (Optional thermostatic expansion valve). Off cycle defrosting (HBP), and hot gas defrosting (MBP, LBP).

BLOCKSYSTEM SV

Range for wall installation is equipped with a reduced size evaporator for the optimum use of the total cold room volume. Capillary expansion. Hot gas defrosting (MBP, LBP).

BLOCKSYSTEM P

Range for wall installation is available in the plug-in (PT) or saddle versions (PA- when available). (Optional thermostatic expansion valve). Off cycle defrosting (HBP), and hot gas defrosting (MBP, LBP).

BLOCKSYSTEM SPLIT SP

These machines have the compressor/condenser section separated, which is for outside installation, and a remote evaporator, which is to be installed inside the cold room. This allows the two parts to be fitted at a certain distance from one another. This range is available in two different versions: nitrogen-charged with shut-off valve connections for all models or, when available, pre charge refrigerant and fast connections (SP/R). In this case it is possible to request the supply of pre-charged connection pipes (when provided).



MODEL DESIGNATION

□ □ □ □ □ □ □ □
1 2 3 4 5 6 7

1 RANGE

SF = Ceiling mounted
SV = Wall mounted (Reduced size evaporator)
PT = Plug-in, wall mounted
PA = Saddle, wall mounted
SP = Split _____ SP = with nitrogen charge and shutt-off valve
SP/R = with gas charge and fast connections

2 APPLICATION

H = High temperature (+10°C / +2°C)
M = Medium temperature (+5°C / -5°C)
L = Low temperature (-15°C / -25°C)

3 PROGRESSIVE NUMBER

4 REFRIGERATING GAS

Z = R404A

5 OPTION No.

Each number matches a variation
00 = Condensation by air - capillary expansion
W0 = Condensation by water - capillary expansion
01 = Condensation by air - thermostatic valve expansion
W1 = Condensation by water - thermostatic valve expansion
02 =

6 VOLTAGE*

1 = 230/1/50 Hz
2 = 400/3/50 Hz
3 = 115/1/60 Hz
4 = 220/3/60 Hz
5 = 220/1/60 Hz
6 = 460/3/60 Hz
7 = 380/3/60 Hz
8 = 230/3/50 Hz

7 OPTIONAL REFERENCE CODE

*For voltages different from the standard ones, contact our technical department

TABLE LEGEND

E = Hermetic compressor
SE = Semi-hermetic compressor
Win = Total Watt absorbed⁽¹⁾
Wd = Watt absorbed by defrosting heaters
FLA = Total Amperes absorbed⁽¹⁾
C = Expansion by capillary tube
V = Expansion by thermostatic valve
A = Defrosting by ventilation
G = Defrosting by hot gas
R = Defrosting by heater
f = Air throw
Ta = Ambient temperature
Tc = Cold room temperature
W = Watt refrigeration output
m³ = Cold room cubic meters calculated in condition described at page 42

Note(1): Tcond = 50°C; Te = -5°C (HBP); Te = -10°C (MBP); Te = -30°C (LBP)

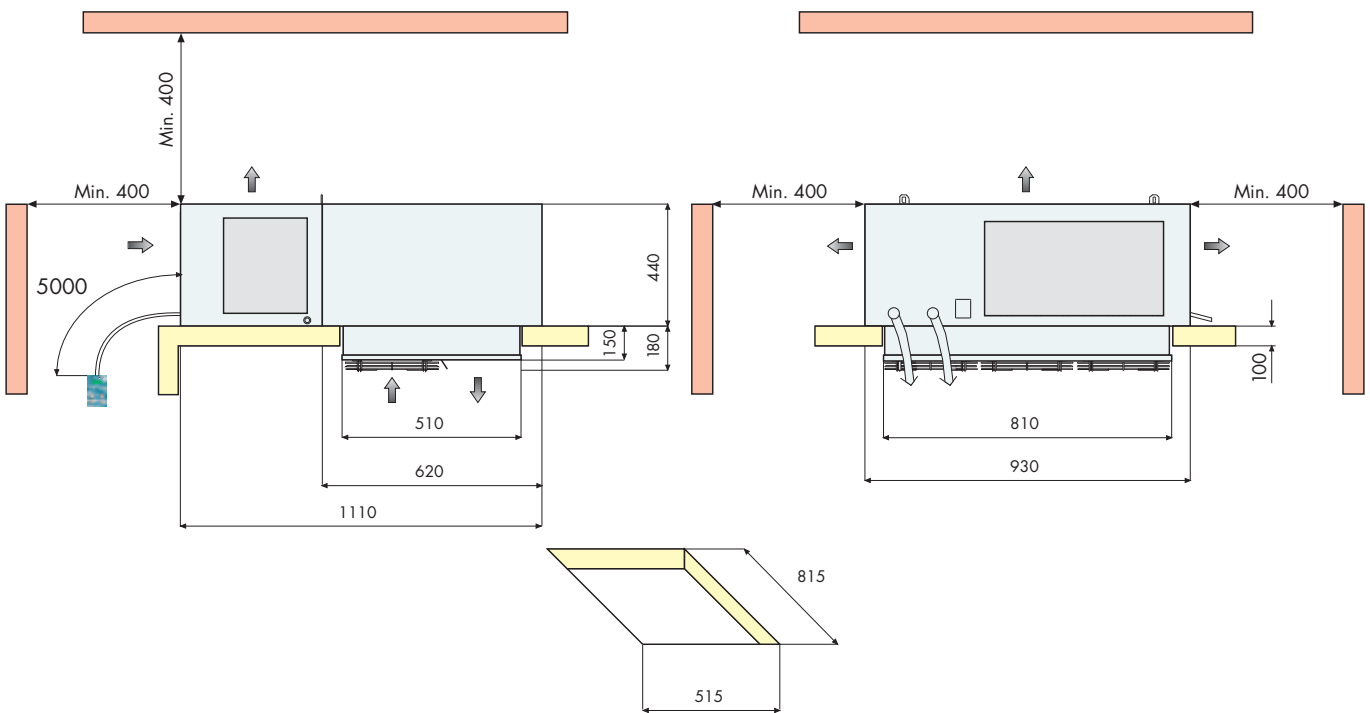
Caratteristiche generali • General features • Allgemeine Merkmale • Caractéristiques générales • Características generales

- ❑ **Centralina elettronica di controllo** • Electronic control panel • Elektronische Steuerung • Central électronique de contrôle • Centralita electrónica de control
- ❑ **Pressostato di massima** • High pressure switch • Hochdruckpressostat • Pressostat de max • Presostato de max
- ❑ **Pannello di controllo remoto (5m)** • Remote control panel (5m) • Fernschalttafel mit 5m Anschlusskabel • Tableau de contrôle à distance (5m) • Panel de control remoto (5m)
- ❑ **Micro porta con cavo L = 2,5m** • Door micro switch with 2,5m long cable • Türkontaktschalter mit Kabel 2,5m • Détecteur de porte avec cable 2,5m
 - Interruptor puerta con cable de 2,5 metros
- ❑ **Luce cella con cavo L=2,5m** • Cold room light with 2,5m long cable • Kühlzellenlicht mit Kabel 2,5m • Lumière chambre avec cable 2,5m • Luz interior cámara cable de 2,5 metros
- ❑ **Bacinella evaporazione acqua di condensa** • Evaporating water tray • Verdunstungsschale für Tauwasser • Bac évaporation eau de condensation
 - Cubeta evaporación agua de condensación
- ❑ **Cavo resistenza porta nei modelli LBP con cavo L=2,5m** • Door heater cable for LBP items with 2,5m long cable • Türrahmenheizungsanschluss für Ausführungen LBP mit Kabel 2,5m • Cable de résistance de porte pour les groupes LBP avec cable 2,5m • Cable resistencia puerta en equipos LBP con cable de 2,5 metros
- ❑ **Cavo di alimentazione L=2,5m** • Power supply cable L=2,5m • Speisekabel L=2,5m • Cable d'alimentation L=2,5m • Cable de alimentación L=2,5m
- ❑ **Kit di fissaggio e tubo per troppo pieno** • Mounting set and overflow tube • Befestigungskit und Überlaufrohr • Kit de montage et tuyau de débordement
 - Kit de fijación y tubo de sobre llenado
- ❑ **Imballo incluso** • Package included • Inklusive Verpackung • Emballage inclus • Embalaje incluido

R404A	Codice Code Code Code Codigo	Tensione Voltage Spannung Tension Voltaje		Compressore Compressor Verdichter Compresseur Compresor		PED	Espansione Expansion Expansion Expansion Expansion		Sbrinamento Defrost Abtauung Dégivrage Descarche	Assorbimenti Absorption Leistungsaufnahme Absorption Absorción		Condensatore Condenser Kondensator Condenseur Condensador		Evaporatore Evaporator Verdampfer Evaporateur Evaporador			Peso netto Net weight Nettogewicht Poids net Peso neto
		230/1/50	400/3/50	HP	kW		E	Cat.		Win	FLA	N°x Ø	m²/h	N°x Ø	m²/h	f(m)	
HBP	SFH022Z002	•	1,2	0,825	E	0	C	A	1493	4,3	2x300	2413	3x200	1480	4	100	
	SFH034Z002	•	1,25	0,920	E	0	C	A	1664	4,9	2x300	2194	3x200	1390	4	106	

MBP	SFM022Z002	•	1,25	0,920	E	0	C	G	1581	4,8	2x300	2413	3x200	1480	4	90
	SFM034Z002	•	1,5	1,100	E	0	C	G	2036	5,6	2x300	2194	3x200	1390	4	110

LBP	SFL012Z001	•	1,5	1,150	E	1	C	G	1210	6,4	2x300	2413	3x200	1480	4	105,5
	SFL016Z002	•	2	1,470	E	1	C	G	1697	4,7	2x300	2413	3x200	1480	4	118,5
	SFL020Z002	•	3	2,200	E	1	C	G	2373	5,6	2x300	2194	3x200	1390	4	126

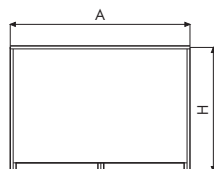
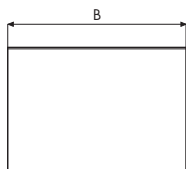




Codice Code Code Codigo	Potenza Frigorifera/Volume Cella • Refrigeration Output/Cold Room Volume																		
	• Kälteleistung/Kühlzellenvolumen • Rendement frigorifique/Volume Chambre Froide • Potencia Frigorifica/Volumen Cámara																		
	Ta = 25°C				Ta = 32°C				Ta = 43°C										
	Tc			Tc			Tc			Tc									
	+10°C	+5°C	+2°C	+10°C	+5°C	+2°C	+10°C	+5°C	+2°C	+10°C	+5°C	+2°C							
	W	m³	W	m³	W	m³	W	m³	W	m³	W	m³							
SFH022Z002	3399	43,7	3069	35,5	2900	28,3	3008	36,4	2716	29,6	2566	23,6	2686	29,1	2425	23,7	2291	18,4	HBP
SFH034Z002	3908	52,2	3560	42,7	3381	34,6	3458	43,5	3150	35,6	2992	28,8	3088	34,8	2813	28,5	2671	22,5	
		+5°C	0°C	-5°C	+5°C	0°C	-5°C	+5°C	0°C	-5°C	+5°C	0°C	-5°C						
		W	m³	W	m³	W	m³	W	m³	W	m³	W	m³						
SFM022Z002	2995	37,0	2831	27,1	2431	21,0	2650	30,8	2505	22,6	2151	18,1	2366	24,6	2237	18,1	1921	14,5	MBP
SFM034Z002	4607	63,8	4396	47,5	3756	38,0	4077	53,2	3890	39,6	3324	31,7	3640	42,6	3473	31,7	2968	25,4	
		-15°C	-20°C	-25°C	-15°C	-20°C	-25°C	-15°C	-20°C	-25°C	-15°C	-20°C	-25°C						
		W	m³	W	m³	W	m³	W	m³	W	m³	W	m³						
SFL012Z001	2097	21,7	1600	15,1	1290	9,8	1862	18,2	1420	15,5	1148	8,2	1645	14,4	1254	9,9	1020	6,5	LBP
SFL016Z002	2518	29,0	1928	20,3	1563	13,3	2228	24,2	1706	16,8	1383	11,0	1989	19,4	1523	13,5	1235	8,8	
SFL020Z002	2921	37,1	2504	31,2	2141	22,5	2595	31,1	2210	25,9	1867	18,3	2037	20,2	1715	16,6	1418	11,3	

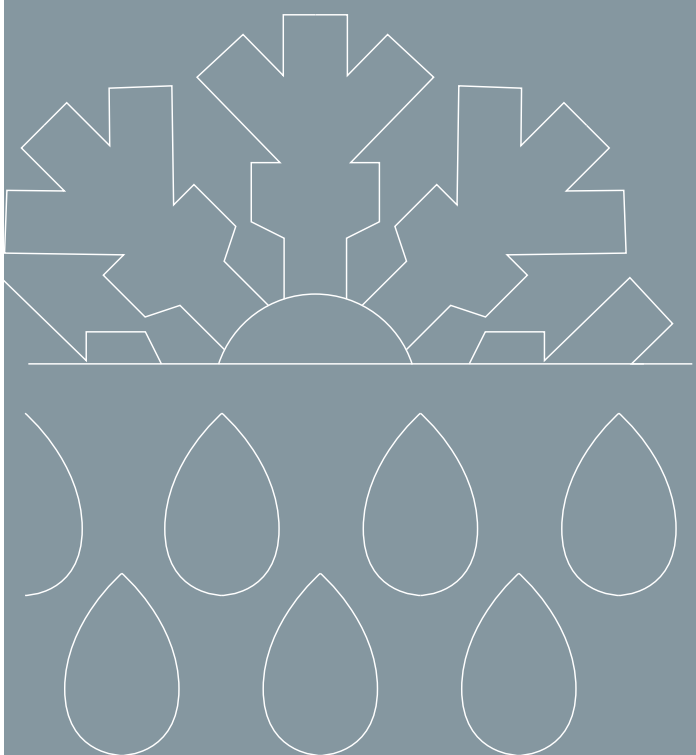
Optional

A	B	C	D	E	F	G	H	I	L	M	N	O
	•	•	•		•	•	•	•	•	•	•	•



A x B x H	m³	kg
1250 x 1050 x 806	1,06	37

Imballo
Package
Verpackung
Emballage
Embalaje



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