



FSR SERIES
HIGH EFFICIENCY
REFRIGERATION DRYERS

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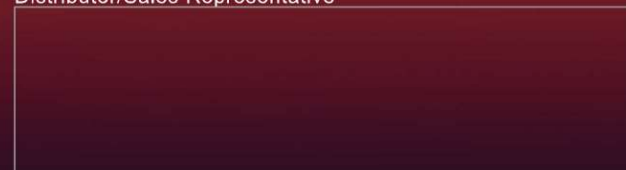
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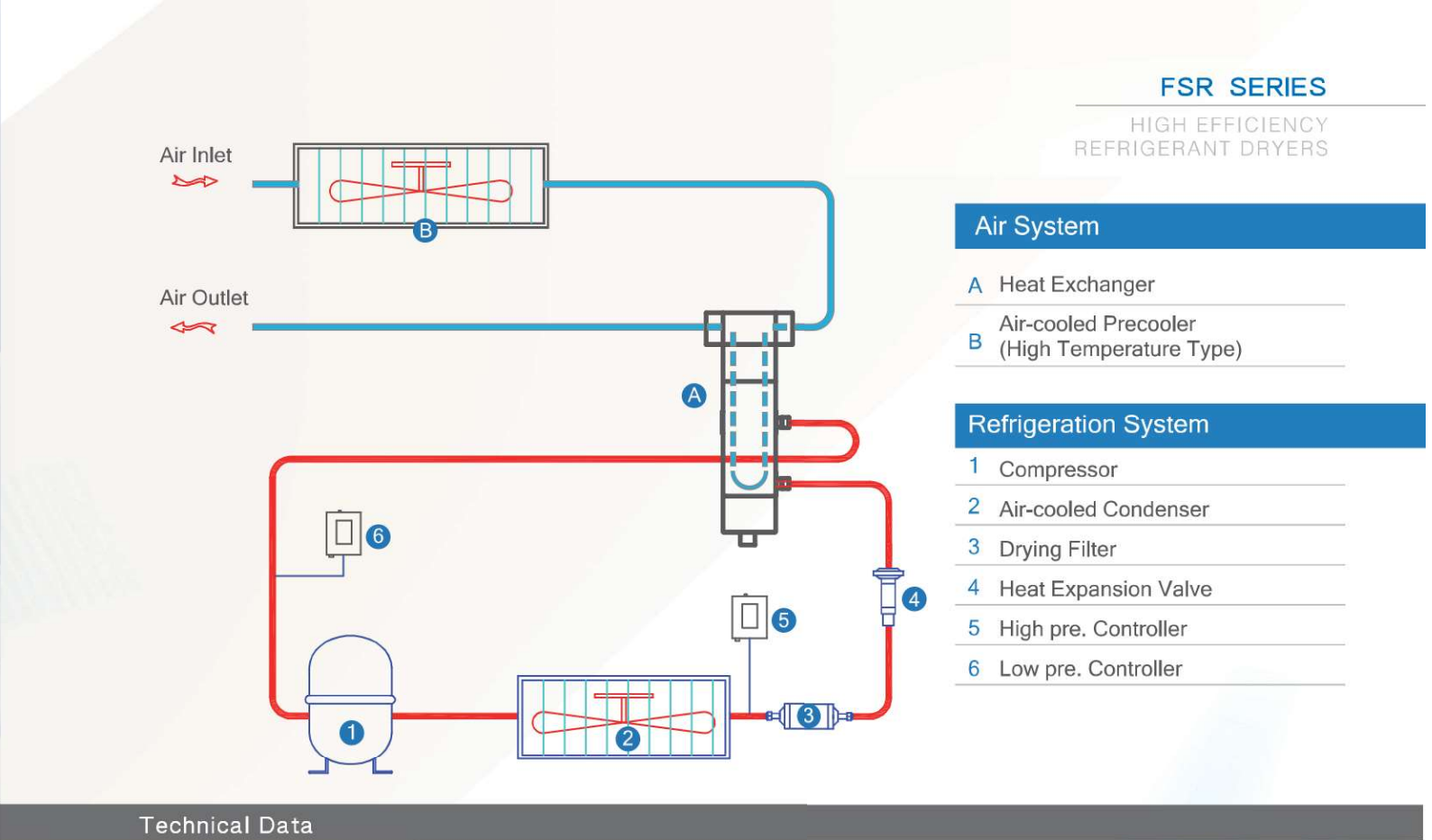


FSR SERIES

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REFRIGERATION DRYERS



Air-cooled refrigeration dryer



Technical Data

Model	FSR								
Type	010S	015S	020S	030S	040S	050S	060S	075S	100S
50Hz/60Hz Max Capacity (m³/min)	1.4	1.7	2.7	3.9	5.4	7.2	8.5	11.1	15
Air inlet Temp. (°C)	10~80								
Ambient Temp. (°C)	5~50								
Dew Point (°C)	2~10								
Operating Pressure	0.6~1.6Mpa								
Refrigerant	R134a			R410a					
Power supply	220V/ 50Hz							220V/ 380V/ 50Hz	
Air piping size	G1				G1-1/2		G2		
Dimensions (mm)	L	400		520		540		610	
	W	560		640		700		900	
	H	730		890		1000		1070	
Net weight()	54	57	66	79	86	90	99	113	

Air-cooled refrigeration dryer product selection

A type correction factor(cf1)

Maximum inlet temperature(°C)		35	40	45	50
temperature (°C)	32	1	0.82	0.7	0.45
	35	0.96	0.78	0.65	0.43
	40	0.9	0.7	0.55	0.37

Pressure correction factor(cf2)

Minimum inlet pressure	2	3	4	5	6	7	8	9	10
Correction factor	0.67	0.73	0.8	0.87	0.93	1	1.07	1.13	1.2

Dryer capacity varies with operating pressure, inlet temperature and ambient temperature. Using drying capacity requirement, select dryer model from table, ensuring the dryer model selected is equal to or greater than your drying capacity requirement.

Calculate drying capacity required following the example below
Minimum drying capacity requirements = Inlet flow requirement ÷ cf1 ÷ cf2

For example :
Inlet flow requirement is 3.5m³/min
Operating pressure is 0.78Mpa, inlet temperature is 55°C and ambient temperature is 35°C
Minimum drying capacity requirements = 3.5m³/min ÷ 0.96 ÷ 1.07=3.4m³/min