

Solenoid Valves Series 110RB/200RB...-FLR

SOL...-FLR: Quick Selection (0.15 bar pressure drop)

Condensing temperature (°C)	R290				Capacity (kW)								R290		Valve type
	Evaporating temperature (°C)														
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40			
65	2.9	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.3	2.2	2.2	2.1	110RB2...FLR		
	5.5	5.4	5.2	5.1	4.9	4.8	4.6	4.5	4.3	4.2	4.0	3.9	200RB3...FLR		
	13.0	12.7	12.4	12.0	11.7	11.3	11.0	10.6	10.2	9.9	9.5	9.2	200RB4...FLR		
	22.9	22.3	21.7	21.1	20.5	19.9	19.3	18.6	18.0	17.4	16.7	16.1	200RB6...FLR		
60	3.2	3.2	3.1	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4	2.3	110RB2...FLR		
	6.0	5.9	5.7	5.6	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.4	200RB3...FLR		
	14.3	13.9	13.6	13.2	12.9	12.5	12.2	11.8	11.4	11.1	10.7	10.3	200RB4...FLR		
	25.0	24.5	23.9	23.3	22.6	22.0	21.4	20.7	20.1	19.5	18.8	18.1	200RB6...FLR		
55	3.5	3.4	3.3	3.3	3.2	3.1	3.0	2.9	2.9	2.8	2.7	2.6	110RB2...FLR		
	6.5	6.4	6.3	6.1	6.0	5.8	5.6	5.5	5.3	5.2	5.0	4.9	200RB3...FLR		
	15.5	15.1	14.8	14.4	14.1	13.7	13.4	13.0	12.6	12.2	11.9	11.5	200RB4...FLR		
	27.2	26.6	26.0	25.4	24.7	24.1	23.5	22.8	22.2	21.5	20.8	20.2	200RB6...FLR		
50	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.9	110RB2...FLR		
	7.0	6.9	6.7	6.6	6.4	6.3	6.1	6.0	5.8	5.7	5.5	5.3	200RB3...FLR		
	16.7	16.3	16.0	15.6	15.3	14.9	14.5	14.2	13.8	13.4	13.0	12.6	200RB4...FLR		
	29.3	28.7	28.0	27.4	26.8	26.1	25.5	24.8	24.2	23.5	22.9	22.2	200RB6...FLR		
45	4.0	4.0	3.9	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	110RB2...FLR		
	7.5	7.4	7.2	7.1	6.9	6.8	6.6	6.5	6.3	6.1	6.0	5.8	200RB3...FLR		
	17.8	17.5	17.1	16.8	16.4	16.0	15.7	15.3	14.9	14.5	14.1	13.8	200RB4...FLR		
	31.3	30.7	30.1	29.5	28.8	28.2	27.5	26.9	26.2	25.5	24.8	24.2	200RB6...FLR		
40	4.3	4.2	4.1	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.5	3.4	110RB2...FLR		
	8.0	7.9	7.7	7.6	7.4	7.3	7.1	6.9	6.8	6.6	6.4	6.3	200RB3...FLR		
	19.0	18.6	18.3	17.9	17.5	17.2	16.8	16.4	16.0	15.6	15.3	14.9	200RB4...FLR		
	33.3	32.7	32.1	31.5	30.8	30.2	29.5	28.8	28.2	27.5	26.8	26.1	200RB6...FLR		
35	4.6	4.5	4.4	4.3	4.2	4.1	4.1	4.0	3.9	3.8	3.7	3.6	110RB2...FLR		
	8.5	8.4	8.2	8.0	7.9	7.7	7.6	7.4	7.2	7.1	6.9	6.7	200RB3...FLR		
	20.1	19.8	19.4	19.0	18.7	18.3	17.9	17.5	17.1	16.8	16.4	16.0	200RB4...FLR		
	35.3	34.7	34.1	33.4	32.8	32.1	31.5	30.8	30.1	29.4	28.7	28.0	200RB6...FLR		
30	4.8	4.7	4.6	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.9	110RB2...FLR		
	9.0	8.8	8.7	8.5	8.4	8.2	8.0	7.9	7.7	7.5	7.4	7.2	200RB3...FLR		
	21.2	20.9	20.5	20.2	19.8	19.4	19.0	18.6	18.2	17.8	17.5	17.1	200RB4...FLR		
	37.3	36.7	36.0	35.4	34.7	34.1	33.4	32.7	32.0	31.3	30.6	29.9	200RB6...FLR		

Note: Select the valve type from tables for capacity value corresponding to system (evaporator) cooling capacity. For other pressure drop than 0.15, please use the below correction factors.

Correction factors $K_{\Delta P}$														
ΔP , bar	0.05	0.1	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70
$K_{\Delta P}$	1.73	1.22	1.0	0.87	0.77	0.71	0.65	0.61	0.58	0.55	0.52	0.50	0.48	0.46

Solenoid Valves Series 110RB/200RB...-FLR

SOL...-FLR: Quick Selection (0.15 bar pressure drop)

Condensing temperature (°C)	R1270			Capacity (kW)									R1270		Valve type
	Evaporating temperature (°C)														
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40			
65	3.1	3.0	2.9	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.3	2.3	110RB2...FLR		
	5.7	5.6	5.5	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.2	200RB3...FLR		
	13.5	13.2	12.9	12.6	12.3	12.0	11.7	11.4	11.0	10.7	10.4	10.0	200RB4...FLR		
	23.7	23.2	22.7	22.2	21.7	21.1	20.6	20.0	19.4	18.8	18.2	17.6	200RB6...FLR		
60	3.3	3.3	3.2	3.2	3.1	3.0	2.9	2.9	2.8	2.7	2.6	2.5	110RB2...FLR		
	6.3	6.1	6.0	5.9	5.8	5.6	5.5	5.3	5.2	5.1	4.9	4.8	200RB3...FLR		
	14.8	14.5	14.2	13.9	13.6	13.3	13.0	12.7	12.3	12.0	11.6	11.3	200RB4...FLR		
	26.0	25.5	25.0	24.5	23.9	23.4	22.8	22.2	21.6	21.0	20.4	19.8	200RB6...FLR		
55	3.6	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.1	3.0	2.9	2.8	110RB2...FLR		
	6.8	6.7	6.5	6.4	6.3	6.1	6.0	5.9	5.7	5.6	5.4	5.3	200RB3...FLR		
	16.1	15.8	15.5	15.2	14.9	14.5	14.2	13.9	13.5	13.2	12.8	12.5	200RB4...FLR		
	28.2	27.7	27.2	26.7	26.1	25.5	25.0	24.4	23.8	23.2	22.6	21.9	200RB6...FLR		
50	3.9	3.8	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.3	3.2	3.1	110RB2...FLR		
	7.3	7.2	7.1	6.9	6.8	6.7	6.5	6.4	6.2	6.1	5.9	5.8	200RB3...FLR		
	17.3	17.0	16.7	16.4	16.1	15.8	15.4	15.1	14.7	14.4	14.0	13.7	200RB4...FLR		
	30.4	29.9	29.3	28.8	28.2	27.7	27.1	26.5	25.9	25.3	24.6	24.0	200RB6...FLR		
45	4.2	4.1	4.1	4.0	3.9	3.8	3.8	3.7	3.6	3.5	3.4	3.4	110RB2...FLR		
	7.8	7.7	7.6	7.4	7.3	7.2	7.0	6.9	6.7	6.6	6.4	6.3	200RB3...FLR		
	18.5	18.2	17.9	17.6	17.3	16.9	16.6	16.3	15.9	15.6	15.2	14.8	200RB4...FLR		
	32.5	32.0	31.4	30.9	30.3	29.8	29.2	28.6	27.9	27.3	26.7	26.0	200RB6...FLR		
40	4.5	4.4	4.3	4.2	4.2	4.1	4.0	3.9	3.9	3.8	3.7	3.6	110RB2...FLR		
	8.3	8.2	8.1	7.9	7.8	7.7	7.5	7.4	7.2	7.1	6.9	6.8	200RB3...FLR		
	19.7	19.4	19.1	18.8	18.4	18.1	17.8	17.4	17.1	16.7	16.3	16.0	200RB4...FLR		
	34.6	34.1	33.5	33.0	32.4	31.8	31.2	30.6	30.0	29.3	28.7	28.1	200RB6...FLR		
35	4.7	4.7	4.6	4.5	4.4	4.4	4.3	4.2	4.1	4.0	4.0	3.9	110RB2...FLR		
	8.8	8.7	8.6	8.4	8.3	8.1	8.0	7.8	7.7	7.5	7.4	7.2	200RB3...FLR		
	20.9	20.6	20.3	19.9	19.6	19.3	18.9	18.6	18.2	17.9	17.5	17.1	200RB4...FLR		
	36.6	36.1	35.6	35.0	34.4	33.8	33.2	32.6	32.0	31.3	30.7	30.0	200RB6...FLR		
30	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.5	4.4	4.3	4.2	4.1	110RB2...FLR		
	9.3	9.2	9.0	8.9	8.8	8.6	8.5	8.3	8.2	8.0	7.9	7.7	200RB3...FLR		
	22.0	21.7	21.4	21.1	20.8	20.4	20.1	19.7	19.3	19.0	18.6	18.2	200RB4...FLR		
	38.7	38.1	37.6	37.0	36.4	35.8	35.2	34.6	34.0	33.3	32.7	32.0	200RB6...FLR		

Note: Select the valve type from tables for capacity value corresponding to system (evaporator) cooling capacity. For other pressure drop than 0.15, please use the below correction factors.

Correction factors $K_{\Delta P}$														
ΔP , bar	0.05	0.1	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70
$K_{\Delta P}$	1.73	1.22	1.0	0.87	0.77	0.71	0.65	0.61	0.58	0.55	0.52	0.50	0.48	0.46