



## LFDBV Discharge-Bypass Valves



### Model Selection

#### Dimensions and Weights

Model	Valve Size	Connections		Dimensions(mm)			
		Inlet(A)	Outlet(B)	C	D	E	F
LFDBV	0.5	6mmODF	10mmODF	58	36	106	54
	1.0						
	2.0	1/4"ODF	3/8"ODF	64	47	122	69
	3.0						
	4.0	3/8"ODF	5/8"ODF	64	47	122	69
	5.0						
6.0							

LFDBV discharge-bypass valve is a kind of load adjust component for the refrigerating system with a nonadjustable compressor. LFDBV discharge-bypass valve can be used as automatic expansion valve under fixed pressure to maintain the fixed evaporation pressure (temperature). LFDBV is capable of maintaining the minimum evaporating pressure. LFDBV discharge-bypass valve can automatically change the opening to get the constant outlet pressure on regardless of the change of the inlet pressure (within a certain range). ODF connecting. Maximum working pressure: 28bar.

#### Capacities

Type	Valve size	Orifice size	Nominal capacity(kw)			
			R134a	R22	R404A	R507
LFDBV	0.5	0.7	0.98	1.4	1.0	1.0
	1.0	1.0	1.4	2.1	1.5	1.5
	2.0	2.0	2.9	4.2	3.0	3.0
	3.0	3.0	6.7	9.8	6.8	6.9
	4.0	3.5	8.9	12.8	9.0	9.0
	5	4.75	16.3	23.6	16.5	16.6
	6	5	20.4	30.6	21.4	21.6