



Thermostatic Expansion Valve Selection Chart for WITT UNIT COOLERS

The selections are based on load and operating conditions provided by Witt. All selections are based on 110°F condensing temperature, and 10°F liquid subcooling. Externally equalized valves are used with coils having refrigerant distributors. The pressure drop across the coil and distributor is assumed to be approximately 35 psi for R-22, R-404A and R-507. If actual conditions differ from the above, valve selections should be made from Sporlan Bulletins 10-10 and 20-10, and Sporlan Catalog ARC.

Type EG(E) and Type SBF(E) valves may be substituted for Type BF(E) valves where nominal capacities are equivalent. Also, R-502 Thermostatic Charge Valves may be substituted for R-404A valves on medium temperature and low temperature applications, and for R-507 valves on low temperature applications.

COIL MODEL	COIL INLET CONNECTIONS Inches	10°F TEMPERATURE DIFFERENCE			
		VALVE LOAD BTU/HR	REFRIGERANT		
			22	404A	507

SUPER-FLO UNIT COOLERS at 25°F Suction Temperature

SDA054H	1/2 ODM	5400	EBFVE-AA-C	EBFSE-AA-C	EBFPE-AA-C
SDA066H		6600		EBFSE-A-C	EBFPE-A-C
SDA074H		7400			
SDA090H		9000			
SDA108H		10800	EBFVE-A-C	EBFSE-B-C	EBFPE-B-C
SDA119H		11900			
SDA139H		13900			
SDA171H		17100	EBFVE-B-C	EBFSE-C-C	EBFPE-C-C
SDA201H		20100			
SDA230H		23000			
SDA270H		27000	EBFVE-C-C		
SDA330H		33000			
SDA410H		41000			

SUPER-FLO UNIT COOLERS at 25°F Suction Temperature

SD*038M	1/2 ODM	3800	EBFVE-AAA-C		
SD*049M		4900	EBFVE-AA-C	EBFSE-AA-C	EBFPE-AA-C
SD*050M		5000		EBFSE-A-C	EBFPE-A-C
SD*060M		6000			
SD*080M		8000			
SD*085M		8500	EBFVE-A-C	EBFSE-B-C	EBFPE-B-C
SD*102M		10200			
SD*105M		10500			
SD*124M		12400	EBFVE-B-C	EBFSE-C-C	EBFPE-C-C
SD*125M		12500			
SD*150M		15000			
SD*168M		16800			
SD*170M		17000			
SD*210M		21000			
SD*214M		21400			
SD*254M		25400			
SD*255M		25500			
SD*305M		30500			
SD*325M		32500			
SD*350M		35000			

*Includes Models A, E and G.

NOTE: Type "SBF" valves can be substituted for type "EBF".