Thermostatic Expansion Valves
Termostatik Genleşme Valfleri

Click the product code for details.
Detaylar için ürün koduna tıklayın.

Type ER
The Sporlan Type ER valve is a small balanced port valve designed for use on refrigeration applications as well as residental and small commercial air conditioning and heat pump units. The balanced port design provides exceptional control of refrigerant in both directions, making this valve an excellent choice for heat pump systems. ER series is equivalent to BBI series. Can be used instead.

ER Tip
Sporlan ER tip valfler, küçük pirinç gövdeli, dış dengeli ve 'balans port' tasarımına sahiptir. Soğutma sistemleri, klima uygulamaları ve ısı pompaları için idealdir. Balans port teknolojisi sayesinde iki yönlü muhteşem kontrol sağlar ve ısı pompaları için en iyi çözümdür. ER serisi BBI serisi ile muadildir ve birbirlerinin yerine kullanılabilirler.

Specifications

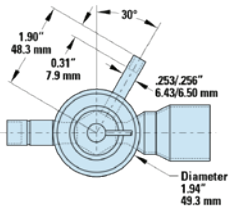
Refrigerant (Sporlan Code)	Valve Type	Nominal Capacity kW of Refrigeration	Element Size No.	Thermostatic Charges Available	Connection [Inch] ODF	
					Inlet	Outlet
407C (N) 22 (V)	ERNE-1	3,5	43	C CP100 GA Z ZP40	3/8"	1/2"
	ERNE-1-1/2	5,25				
	ERNE-2	7				
	ERNE-3	10,5				
	ERNE-4	14				
	ERNE-5	17,5				
	ERNE-6	21			1/2"	5/8"
	ERNE-8	28			5/8"	7/8"
	ERNE-10	35	45-5		5/8"	7/8" Ext.
	ERNE-12	42				
134a (J) 409A (F)	ERJE-1/2	1,75	43	C	3/8"	1/2"
	ERJE-1	3,5				
	ERJE-1-1/2	5,25				
	ERJE-2	7				
	ERJE-2-1/2	8,75				
	ERJE-3	10,5				
	ERJE-4	14			1/2"	5/8"

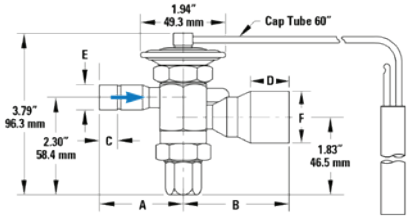
Specifications

Refrigerant (Sporlan Code)	Valve Type	Nominal Capacity kW of Refrigeration	Element Size No.	Thermostatic Charges Available	Connection [Inch] ODF	
					Inlet	Outlet
404A (S) 507 (P)	ERSE-1/2	1,75	43	C Z ZP	3/8"	1/2"
	ERSE-1	3,5				
	ERSE-1-1/2	5,25				
	ERSE-2	7				
	ERSE-3	10,5				
	ERSE-3-1/2	12,25				
	ERSE-4	14			1/2"	5/8"
410A (Z)	ERZE-1	4,20	45	CP200 GA	3/8"	1/2"
	ERZE-1-1/2	7,35				
	ERZE-2	9,66				
	ERZE-3	13,4				
	ERZE-4	17,6				
	ERZE-5	21,0				
	ERZE-6	25,2			1/2"	5/8"
	ERZE-8	33,6			5/8"	7/8"
	ERZE-12-1/2	43,8	45-5		5/8"	7/8" Ext.
	ERZE-15	50,8				

Bulb Sizes

Termostatic Charge	Refrigerant	
	22	410A
VCP100, ZCP180	12,7 mm x 76,2 mm	
GA	19,1 mm x 50,8 mm	



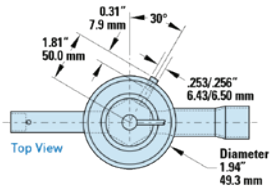


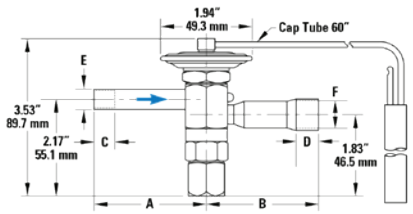
Dimensions - Connections

Refrigerant	Nominal Capacity	Fitting Size [Inch]		Dimensions [mm]					
		Inlet	Outlet	A	B	C	D	E	F
22	10 - 12	5/8"	7/8"	63,5	63,8	12,7	19,8	15,9 / 16,1	22,3 / 22,4
410A	12-1/2 - 15	5/8"	1-1/8"	63,5	63,8	12,7	23,1	15,9 / 16,1	28,7 / 28,8

Bulb Sizes

Termostatic Charge	Refrigerant	
	22	410A
VCP100, ZCP180	12,7 mm x 76,2 mm	
GA	19,1 mm x 50,8 mm	





Dimensions - Connections

Refrigerant	Nominal Capacity	Fitting Size [Inch]		Dimensions [mm]					
		Inlet	Outlet	A	B	C	D	E	F
22 410A	1-1/2 - 2 - 3 - 4 - 5	3/8"	1/2"	61,5	63,8	9,9	10,2	9,58 / 9,68	12,8 / 12,9
	3 - 4 - 5 - 6	1/2"	5/8"	59,7	63,8	10,2	12,7	12,8 / 12,9	15,9 / 16,1
	4 - 5 - 6 - 8	1/2"	7/8"	-	61,2	-	19,8	-	22,3 / 22,4
	6 - 8	5/8"	7/8"	59,7	61,2	12,7	19,8	15,9 / 16,1	22,3 / 22,4 28,7 / 28,8
	8	5/8"	1 1/8"	-	-	-	23,1	-	-

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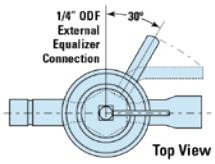
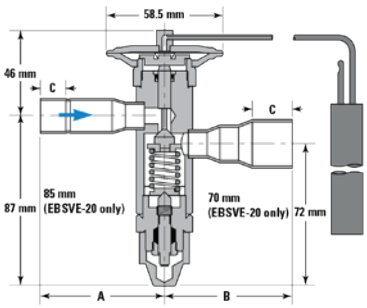
Type EBS

Sporlan Type EBS valve is a brass bar body valve having the same physical size as the Type S valve except the Type EBS features a balanced port construction and extended ODF connections. The thermostatic element is replaceable.The balanced port construction makes this valve ideally suited for refrigeration and air conditioning applications which operate over widely varying conditions

EBS Tip

Sporlan EBS valfler genişletilmiş ODF kaynak bağlantısı ve 'Balans port' tasarımı hariç, S tip valfler ile aynı fiziksel boyutta ve pirinç yekpare gövdelidir. Termostatik eleman değiştirilebilir. 'Balans port' tasarımı değişik şartlardaki soğutma ve klima uygulamaları için valfi ideal hale getirir.





Dimensions - Connections

Valve Type	Fitting Size [Inch]	Dimensions [mm]		
		A	B	C
EBS	3/8" ODF	62	–	9
	1/2" ODF	62	–	13
	5/8" ODF	62	64	19
	7/8" ODF	–	64	20,5
	1 1/8" ODF	–	77	24,5

Bulb Sizes

Standard Charges	Refrigerant			
	22	134a	404A	507
C	13 OD x 89			
Z & ZP Series	13 OD x 89	–	13 OD x 89	
CP Series	13 OD x 89			–
VGA	19 OD x 51	–	–	–

Specifications

Refrigerant (Sporlan Code)	Valve Type	Nominal Capacity kW of Refrigeration	Thermostatic Charges Available	Standard Tubing Length [mm]	Connection [Inch] ODF			Net Weight kg.
	Internal Equalizer				Inlet	Outlet	External Equalizer	
407C (N) 22 (V)	EBSNE-8	28	Refer to Recommended	1,5	5/8"	7/8"	1/4 Pointed Toward Bottom Cap or Parallel to Outlet Connection	0,9
	EBSNE-11	39			5/8"	7/8"		
	EBSNE-15	53			7/8"	1 1/8"		
	EBSNE-20	70			7/8"	1 1/8"		
134a (J) 409A (F)	EBSJE-5	18			5/8"	7/8"		
	EBSJE-7	25			5/8"	7/8"		
	EBSJE-9	32			7/8"	1 1/8"		
	EBSJE-12	42			7/8"	1 1/8"		
404A (S)	EBSSE-6	21			5/8"	7/8"		
	EBSSE-7-1/2	26			5/8"	7/8"		
	EBSSE-10	35			7/8"	1 1/8"		
	EBSSE-13	46			7/8"	1 1/8"		
507 (P)	EBSPE-6	21			5/8"	7/8"		
	EBSPE-7-1/2	26			5/8"	7/8"		
	EBSPE-10	35			5/8"	7/8"		
	EBSPE-13	46			7/8"	1 1/8"		

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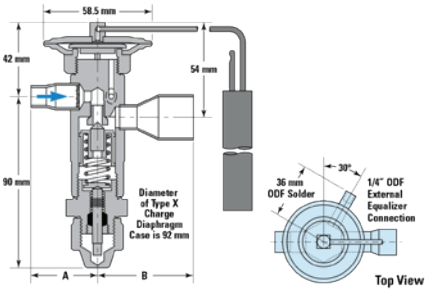
Type S
Sporlan Type S valve is a brass bar body, externally adjustable valve with ODF solder connections. The thermostatic element is replaceable, and the inlet connection has a permanent 12 mesh strainer. This valve is designed for both air conditioning and refrigeration applications.

S Tip
Sporlan S tip valfler yekpare pirinç gövdeli, değiştirilebilir termostatik elemanlı, ayarlanabilir, dış dengeli ve ODF kaynak bağlantılıdır. Girişinde 12 mesh (1680 mikron) filtre bulunmaktadır. Klima ve soğutma sistemleri için tasarlanmıştır.



Bulb Sizes

Standard Charges	Refrigerant			
	22	134a	404A	507
C	13 OD x 89			
Z & ZP Series	13 OD x 89	–	13 OD x 89	
X	19 OD x 102	–	19 OD x 102	
CP Series	13 OD x 89			–
VGA	19 OD x 51	–	–	–

Dimensions - Connections

Valve Type	Fitting Size [Inch]	Dimensions [mm]	
		A	B
S	3/8" ODF	34	–
	1/2" ODF	33	34,5
	5/8" ODF	38	40
	7/8" ODF	–	54
	1 1/8" ODF	–	55,5

Specifications

Refrigerant (Sporlan Code)	Valve Type		Nominal Capacity kW of Refrigeration	Thermostatic Charges Available	Standard Tubing Length [mm]	Connection [Inch] ODF		Net Weight kg.
	Internal Equalizer 1	External Equalizer				Inlet	Outlet	
407C (N) 22 (V)	SN-2	SNE-2	7,0	Refer to Recommended	1,5	1/2"	5/8"	0,9
	SN-3	SNE-3	11					
	SN-4	SNE-4	14			1/2"	5/8"	
	SN-5	SNE-5	18					
	–	SNE-8	28			5/8"	7/8"	
	–	SNE-10	35					
	–	SNE-15	56,5			7/8"	1 1/8"	
134a (J) 409A (F)	SJ-2	SJE-2	7,0			1/2"	5/8"	
	SJ-2-1/2	SJE-2-1/2	8,8			1/2"	5/8"	
	SJ-3	SJE-3	11					
	–	SJE-5	18			5/8"	7/8"	
	–	SJE-6	21					
	–	SJE-10	35			7/8"	1 1/8"	
404A (S)	SS-2	SSE-2	7,0			1/2"	5/8"	
	SS-3	SSE-3	11			1/2"	5/8"	
	SS-4	SSE-4	14					
	–	SSE-6	21			5/8"	7/8"	
	–	SSE-7	25					
	–	SSE-10	35			7/8"	1 1/8"	
507 (P)	SP-2	SPE-2	7,0			1/2"	5/8"	
	SP-3	SPE-3	11			1/2"	5/8"	
	SP-4	SPE-4	14					
	–	SPE-6	21			5/8"	7/8"	
	–	SPE-7	25					
	–	SPE-10	35			7/8"	1 1/8"	

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Type O

Sporlan Type O valve is a brass bar body, externally adjustable valve with ODF solder connections. The thermostatic element is replaceable, and the inlet connection has a permanent 12 mesh strainer. This valve type features a balanced port construction, and it is designed for both air conditioning and refrigeration applications. A synthetic seating surface provides tight shut-off during system off periods. This valve type has two body styles.

O Tip

Sporlan O tip valfler yekpare pirinç gövdeli, ayarlanabilir, değiştirilebilir termostatik elemanlı,dış dengeli ve ODF kaynak bağlantılıdır. Girişinde 12 mesh (1680 mikron) filtre bulunmaktadır. Bu valf 'Balans port' tasarımına sahiptir.Soğutma ve klima uygulamaları için tasarlanmıştır. Sentetik oturma yüzeyi, valf kapalıyken sıkı bir kapatma sağlar. Bu valf iki gövde tipine sahiptir.

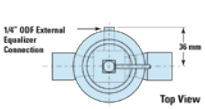
Dimensions - Connections

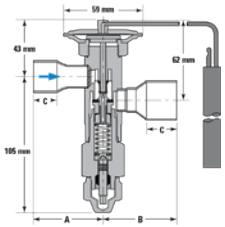
Valve Type	Fitting Size [Inch]	Dimensions [mm]		
		A	B	C
O	7/8" ODF	53	–	19
	1 1/8" ODF	56	57	25
	1 3/8" ODF	–	61	25

Bulb Sizes

Standard Charges	Refrigerant				
	22	134a	404A	410A	507
C	13 OD x 89			–	13 OD x 89
Z & ZP Series	13 OD x 89	–	13 OD x 89	–	13 OD x 89
CP Series	13 OD x 89			–	–
VGA	19 OD x 51	–	–	–	–
ZGA	–	–	–	19 OD x 51	

Type O with Number 83 or 85 Element





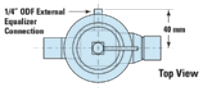
Dimensions - Connections

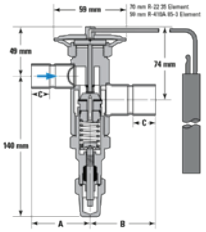
Valve Type	Fitting Size [Inch]	Dimensions [mm]		
		A	B	C
O	1 1/8" ODF	68	–	23
	1 3/8" ODF	–	76	25
	1 5/8" ODF	–	79	28

Bulb Sizes

Standard Charges	Refrigerant				
	22	134a	404A	410A	507
C	19OD x102	13OD x127	19OD x102	–	19OD x102
Z & ZP Series	19OD x102	–	19OD x102	–	19OD x102
CP Series	19OD x102			–	–
VGA	19OD x102	–	–	–	–
ZGA	–	–	–	19OD x51	–

Type O with Number 33 or 85-3 Element





Specifications

Refrigerant (Sporlan Code)	Valve Type	Nominal Capacity kW of Refrigeration	Element Size No	Thermostatic Charges Available	Standard Tubing Length [mm]	Connection [Inch] ODF		Net Weight kg.
						Inlet	Outlet	
134a (J) 409A (F)	OJE-12	42	83	Refer to Recommended	1,5	7/8"	1 1/8"	0,9
	OJE-16	56					1 3/8"	
	OJE-23	81				1 1/8"		
	OJE-32	112	33				1 3/8"	
	OJE-38	133						
	OJE-40	140						
404A (S) 507 (P)	OSE-12	42	83			7/8"	1 1/8"	
	OSE-21	74					1 3/8"	
	OSE-30	105				1 1/8"		
	OSE-35	123	33				1 3/8"	
	OSE-38	133						
	OSE-45	158						
407C (N) 22 (V)	ONE-20	70	83			7/8"	1 1/8"	
	ONE-30	105					1 3/8"	
	ONE-38	133	33-8			1 1/8"		
	ONE-40	140	33				1 3/8"	
	ONE-55	193						
	ONE-70	215						
	ONE-90	315	63-3			7/8"	1 1/8"	
410A (Z)	OZE-20	70	85			1 1/8"	1 3/8"	
	OZE-25	84						
	OZE-35	116						
	OZE-50	175	85-3					
	OZE-60	210						

Thermostatic Expansion Valves
Termostatik Genleşme Valfleri

Click the product code for details.
Detaylar için ürün koduna tıklayın.

404A-507 *Series*

Valve Types	Nominal Capacity		Recommended Thermostatic Charge											
			404A						507					
			SCP115, SC			SZ,SZP			PC			PZ, PZP		
			Evaporator Temperature °C											
	Ton	kW	5°	-5°	-15°	-20°	-30°	-40°	5°	-5°	-15°	-20°	-30°	-40°
S	2	7,0	6,43	7,01	6,17	6,42	4,17	3,13	6,32	6,88	6,06	6,44	4,11	3,09
S	3	11	8,72	9,59	8,49	7,90	5,12	3,84	8,57	9,41	8,34	7,77	5,05	3,79
S	4	14	12,9	14,0	12,1	12,3	9,45	8,15	12,6	13,8	11,9	12,1	9,31	8,05
S	6	21	17,8	17,1	14,4	15,2	12,3	9,89	17,5	16,8	14,2	14,9	12,1	9,77
S	7	25	22,7	21,8	18,4	19,3	15,6	12,6	22,3	21,4	18,0	19,0	15,4	12,4
S	10	35	32,5	31,8	28,4	30,3	26,2	23,5	31,9	31,3	27,9	29,8	25,8	23,2
Balanced Port Thermostatic Expansion Valves														
ER	1/2	1,8	1,92	2,11	1,88	1,91	1,47	1,10	1,89	2,07	1,85	1,87	1,45	1,09
ER	1	3,5	3,65	4,01	3,57	3,28	2,08	1,56	3,59	3,94	3,51	3,22	2,05	1,54
ER	1 1/2	5,3	4,80	5,28	4,69	4,30	2,71	2,03	4,71	5,18	4,61	4,22	2,67	2,01
ER	2	7,0	6,65	7,31	6,50	6,04	3,92	2,94	6,54	7,18	6,39	5,93	3,86	2,90
ER	3	11	8,76	9,63	8,56	7,93	5,12	3,84	8,61	9,46	8,41	7,80	5,05	3,79
ER	3 1/2	12	10,4	11,5	10,2	9,32	5,85	4,39	10,2	11,3	10,0	9,17	5,77	4,34
ER	4	14	12,5	13,8	11,4	10,2	6,14	4,55	12,3	13,5	11,2	10,0	6,05	4,50
EBS	6	21	18,1	18,6	15,7	15,4	10,6	9,87	17,7	18,3	15,4	15,2	10,5	9,75
EBS	7 1/2	26	24,5	25,3	21,3	20,5	13,5	12,6	24,1	24,8	21,0	20,2	13,3	12,4
EBS	10	35	30,2	31,7	25,3	24,6	17,9	15,4	29,6	31,2	24,9	24,2	17,6	15,3
EBS	13	46	43,1	45,9	36,0	34,7	25,5	20,5	42,3	45,1	35,3	34,1	25,2	20,2
O	12	42	42,0	42,0	34,2	34,3	27,2	23,5	41,2	41,3	33,6	33,7	26,8	23,2
O	21	74	67,8	67,9	51,1	46,3	32,6	28,1	66,6	66,6	50,2	45,5	32,1	27,8
O	30	110	97,1	106	81,7	72,8	48,8	42,1	95,4	104	80,3	71,6	48,0	41,6
O	35	120	113	123	94,7	82,6	52,9	45,7	111	120	93,1	81,2	52,2	45,2
O	45	160	145	158	122	103	61,0	52,7	142	155	120	101	60,1	52,1

Refrigerant	Liquid Temperature Entering TEV °C							
	-10°	0°	10°	20°	30°	40°	50°	60°
	Correction Factor, CF Liquid Temperature							
404A	1,98	1,79	1,60	1,41	1,21	1,00	0,79	0,56
507Y	1,92	1,74	1,56	1,37	1,19	1,00	0,79	0,54

- **Condenser temperature 38°C**
- Yoğuşma sıcaklığı 38°C

Evaporator Temperature °C	Pressure Drop Across TEV (bar)							
	2	4	6	8	10	12	14	16
	Correction Factor, CF Pressure Drop							
5°	0,58	0,82	1,00	1,15	1,29	1,41	1,53	1,63
-5° & -15°	0,50	0,71	0,87	1,00	1,12	1,22	1,32	1,41
-20° & -30°	0,45	0,63	0,77	0,89	1,00	1,10	1,18	1,26
-40°	0,41	0,58	0,71	0,82	0,91	1,00	1,08	1,15

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Valve Types	Nominal Capacity		Recommended Thermostatic Charge								
			22						407C		
			VC, VCP100,VGA			VZ, VZP40			NC, NCP100, NGA		
			Evaporator Temperature °C								
	Ton	kW	5°	-5°	-15°	-20°	-30°	-40°	5°	-5°	-15°
S	2	7,0	6,87	7,75	7,10	6,78	4,68	3,65	6,26	6,96	6,27
S	3	11	10,9	12,3	11,3	10,6	7,17	5,59	9,94	11,1	9,97
S	4	14	13,4	15,1	13,9	13,1	8,77	6,84	12,2	13,6	12,3
S	5	18	16,7	18,8	17,0	16,4	11,8	9,22	15,2	16,9	15,0
S	8	28	25,7	29,0	24,6	23,4	15,9	12,3	23,4	26,0	21,8
S	10	35	32,1	36,2	30,8	29,3	19,8	15,3	29,2	32,5	27,2
S	15	53	49,8	56,2	47,7	46,1	31,2	24,9	45,3	50,4	42,2
Balanced Port Thermostatic Expansion Valves											
ER	1	3,5	3,21	3,62	3,32	3,32	2,52	1,96	2,92	3,25	2,93
ER	1 1/2	5,3	5,62	6,34	5,81	5,42	3,57	2,78	5,12	5,69	5,13
ER	2	7,0	7,39	8,33	7,63	7,12	4,68	3,65	6,72	7,48	6,74
ER	3	11	10,3	11,6	10,6	10,0	6,73	5,25	9,35	10,4	9,38
ER	4	14	13,5	15,2	13,9	13,1	8,77	6,84	12,3	13,7	12,3
ER	5	18	16,1	18,1	16,6	15,4	10,0	7,83	14,6	16,3	14,7
ER	6	21	19,3	21,7	18,5	16,8	10,4	8,00	17,5	19,5	16,3
ER	8	28	25,7	29,0	26,5	23,2	12,0	9,27	23,4	26,0	23,4
ER	10	35	33,5	37,8	34,6	–	–	–	30,5	33,9	30,6
ER	12	44	38,9	43,8	40,1	–	–	–	35,4	39,3	35,5
EBS	8	28	27,4	29,5	25,4	24,5	16,8	13,0	24,9	26,5	22,4
EBS	11	39	37,0	39,9	34,3	33,1	22,7	17,5	33,7	35,8	30,3
EBS	15	53	49,7	54,4	43,7	42,0	29,1	23,4	45,3	48,8	38,6
EBS-O	20	70	71,9	76,7	60,8	58,3	40,2	29,6	65,5	68,8	53,7
O	30	110	98,2	106	91,8	84,8	56,5	49,1	89,4	94,9	81,1
O	38	130	122	132	110	102	70,3	60,9	111	118	97,3
O	40	140	129	145	115	111	86,1	74,6	118	130	102
O	55	190	177	198	157	150	98,2	83,0	161	177	139
O	70	250	235	262	209	198	111	90,4	214	235	184
O	90	320	289	323	255	243	137	111	263	290	226

Refrigerant	Liquid Temperature Entering TEV °C							
	-10°	0°	10°	20°	30°	40°	50°	60°
	Correction Factor, CF Liquid Temperature							
22	1,52	1,42	1,32	1,21	1,11	1,00	0,89	0,78
407C	1,73	1,59	1,45	1,30	1,15	1,00	0,84	0,67

Evaporator Temperature °C	Pressure Drop Across TEV (bar)							
	2	4	6	8	10	12	14	16
	Correction Factor, CF Pressure Drop							
5°	0,58	0,82	1,00	1,15	1,29	1,41	1,53	1,63
-5° & -15°	0,50	0,71	0,87	1,00	1,12	1,22	1,32	1,41
-20° & -30°	0,45	0,63	0,77	0,89	1,00	1,10	1,18	1,26
-40°	0,41	0,58	0,71	0,82	0,91	1,00	1,08	1,15

- Condenser temperature 38°C
- Yoğuşma sıcaklığı 38°C

Thermostatic Expansion Valves
Termostatik Genleşme Valfleri

Click the product code for details.
Detaylar için ürün koduna tıklayın.

134a-409a *Series*

Valve Types	Nominal Capacity		Recommended Thermostatic Charge					
			134a JC, JCP60			409A FC, FCP60		
			Evaporator Temperature °C					
	Ton	kW	5°	-5°	-15°	-20°	-30°	-40°
S	2	7,0	8,17	8,73	8,01	8,23	8,84	8,15
S	2 1/2	8,8	10,2	10,9	10,0	10,3	11,0	10,2
S	3	11	12,3	13,1	12,0	12,3	13,3	12,2
S	5	18	20,6	18,8	15,6	20,7	19,0	15,8
S	6	21	24,7	22,5	18,7	24,9	22,8	19,0
S	10	35	38,2	36,3	31,1	38,4	36,7	31,7
Balanced Port Thermostatic Expansion Valves								
ER	1/2	1,8	2,44	2,86	2,57	2,45	2,90	2,62
ER	1	3,5	4,27	5,01	4,50	4,29	5,07	4,58
ER	1 1/2	5,3	5,61	6,58	5,91	5,64	6,66	6,02
ER	2	7,0	7,80	9,16	8,23	7,85	9,27	8,37
ER	2 1/2	8,8	10,2	12,0	10,8	10,3	12,2	11,0
ER	3	11	12,2	14,3	12,9	12,3	14,5	13,1
ER	4	14	14,6	17,2	14,3	14,7	17,4	14,6
EBS	5	18	20,8	20,7	17,8	21,0	21,0	18,1
EBS	7	25	28,7	28,6	24,6	28,9	28,9	25,0
EBS	9	32	38,1	36,3	29,5	38,4	36,7	30,0
EBS-0	12	42	47,8	51,1	41,5	48,1	51,7	42,3
0	16	56	63,3	67,7	59,4	63,7	68,5	60,4
0	23	81	96,6	108	92,6	94,2	109	94,2
0	32	110	130	150	129	131	152	131
0	40	140	163	188	161	164	190	164

Refrigerant	Liquid Temperature Entering TEV °C							
	-10°	0°	10°	20°	30°	40°	50°	60°
	Correction Factor, CF Liquid Temperature							
134a	1,64	1,52	1,39	1,26	1,13	1,00	0,87	0,73
409A	1,51	1,41	1,31	1,21	1,11	1,00	0,89	0,78

Refrigerant	Evaporator Temperature °C	Pressure Drop Across TEV (bar)							
		2	4	6	8	10	12	14	16
		Correction Factor, CF Pressure Drop							
134a	5°	0,71	1,00	1,22	1,41	1,58	1,73	1,87	2,00
409A	-5° & -15°	0,58	0,82	1,00	1,15	1,29	1,41	1,53	1,63

- **Condenser temperature 38°C**
- Yoğuşma sıcaklığı 38°C

404A *Series*

Valve Types	Nominal Capacity		Recommended Thermostatic Charge		
			410A ZGA		
			Evaporator Temperature °C		
	Ton	kW	5°	-5°	-15°
ER	1	3,5	4,08	4,50	4,12
ER	1 1/2	5,3	7,14	7,88	7,21
ER	2	7,0	9,38	10,4	9,48
ER	2 1/2	11	13,1	14,4	13,2
ER	3	14	17,1	18,9	17,3
ER	4	18	20,4	22,5	20,6
ER	5	21	24,5	27,0	23,0
ER	6	28	32,6	36,0	33,0
ER	12 1/2	44	42,5	46,9	43,0
ER	15	53	49,4	54,4	49,9
0	20	70	68,1	75,1	71,5
0	25	88	81,7	90,1	85,8
0	35	120	112	124	118
0	50	180	170	188	179
0	60	210	204	225	215

Refrigerant	Liquid Temperature Entering TEV °C				
	20°	30°	40°	50°	60°
	Correction Factor, CF Liquid Temperature				
410A	1,30	1,15	1,00	0,84	0,65

Refrigerant	Evaporator Temperature °C	Pressure Drop Across TEV (bar)				
		8	11	14	17	20
		Correction Factor, CF Pressure Drop				
410A	5°	0,85	1,00	1,13	1,24	1,35
	-5° & -15°	0,76	0,89	1,00	1,10	1,20

- **Condenser temperature 38°C**
- Yoğuşma sıcaklığı 38°C

OEM Type Thermostatic Expansion Valves
OEM Tipi Termostatik Genleşme Valfi

Type BBI
In addition to the standard line of Thermostatic Expansion Valves listed in this bulletin, special valve types are also available to fill manufacturers' specific requirements. Listed below is example of valve that are supplied for quantity orders.

BBI Tip
Bu katalogda listelenen standart termostatik genleşme serisine ek olarak üreticilerin özel gereksinimlerimi karşılamak için özel valf tipleri de mevcuttur. Aşağıda adetli siparişler için tedarik edilebilecek valf tipi sergilenmiştir.

Valve Type	Connection Type	Valve Description & Application	Typical Replacement TEVs
	SAE Flare or ODF Solder	**Valve Description and Application** Small brass body valve available with either angle style or straight through connections. The Type BBI is a Type BI valve modified to incorporate balanced port construction. The thermostatic element is not replaceable on valves manufactured prior to 1994. Current models use a replaceable No. 43 element. Typical applications: commercial refrigeration, small capacity air conditioning and heat pump systems. **Valf Açıklaması ve Uygulama** Küçük pirinç valf gövdesi açılı veya düz bağlantı için uygundur. BBI tipi, tip BI valfinin 'Balansport' tasarımı ile güncellenmiştir modelidir. 1994 yılı öncesi üretilen valflerde termostatik eleman değiştirilebilir değildi. Güncel modellerde değiştirilebilir No.43 termostatik eleman kullanılmaktadır. Tipik uygulamalar; ticari soğutma, küçük kapasiteli iklimlendirme ve ısı pompası sistemleri.	ER, RC, G, EG, S, Q, SQ, EQ, BQ, SBQ, EBQ

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