



Introduction

VPF series electronic expansion valves are designed for commercial and industrial applications. The valve controls the automatic adjustment of refrigerant flow rate and makes the system work under optimized conditions for the purpose of fast cooling or heating, precise temperature control and energy saving.

Genel Tanım

VPF serisi elektronik genleşme vanaları, ticari ve endüstriyel uygulamalar için tasarlanmıştır. Vana, soğutucu akış hızının otomatik ayarını kontrol eder ve sistemini hızlı soğutma veya ısıtma, hassas sıcaklık kontrolü ve enerji tasarrufu amacıyla optimize edilmiş koşullar altında çalıştırır.

Order No	Model	Valve Shape	Sight Glass	Connections ø D F Inlet A x Outlet B		Seat ø [mm]	Kv ²) [m³/h]	MWP [bar]	Pack [qty]	VPF
				[inch]	[mm]					
10130349802	VPF12.5H59	L-shape	without	7/8 x 7/8	22 x 22	7,5	0,8	50		
10130356202	VPF25H53	straight	without	7/8 x 7/8	22 x 22	7,5	1,4	50		
10130344802	VPF50H03	straight	with	1 1/8 x 1 1/8	-	14,4	2,3	50		
10130356602	VPF100H03	straight	with	1 3/8 x 1 3/8	35 x 35	14,4	4,0	50		
10130356702	VPF150H02	L-shape	with	1 5/8 x 1 5/8	-	14,8	7,7	50		
10130356402	VPF250H03	straight	with	1 5/8 x 1 5/8	-	25	11,9	45		
10130343302	VPF400H01	straight	with	2 1/8 x 2 1/8	54 x 54	33	17,0	45		



Four Way Reversing Valves

Dört Yollu Vanalar

Introduction

SHF series four-way reversing valves are applicable for heat pump systems such as central, unitary and room air conditioners to realize switching between cooling mode and heating mode by changing the flow path of refrigerant.

Genel Tanım

SHF serisi dört yollu vanalar, merkezi, tekli ve oda klima sistemleri gibi ısı pompası sistemlerinde uygundur. Bu vanalar, soğutucunun akış yolunu değiştirerek soğutma modu ile ısıtma modu arasında geçiş yapmayı gerçekleştirmek için kullanılır.

Order No	Model	Description	Connections ODF		Kv	Length [mm]	Pack [qty]	SHF
			ØD [inch]	ØE/S/C [inch]				
10180953202	SHF(L)-3H-12U-52	4 Way Reversing Valve (SHF) Tube D 1/4"	1/4"	5/16"	1,5	88,2		
10180952502	SHF(L)-4H-23U-52	4 Way Reversing Valve (SHF) Tube D 5/16"	5/16"	3/8"	1,6	94,4		
10180952602	SHF(L)-7H-34U-52	4 Way Reversing Valve (SHF) Tube D 3/8"	3/8"	1/2"	2,9	113	48	
10180952402	SHF(L)-11H-35U-52	4 Way Reversing Valve (SHF) Tube D 3/8"	3/8"	5/8"	4,5	115,5	48	
10180950102	SHF(L)-11H-45D1-52	4 Way Reversing Valve (SHF) Tube D 1/2"	1/2"	5/8"	4,5	117	36	
10325051402	SHF-14A-46	4 Way Reversing Valve (SHF) Tube D 1/2"	1/2"	3/4"	6,6	163	18	
10325055702	SHF-20D-47-02	4 Way Reversing Valve (SHF) Tube D 1/2"	1/2"	7/8"	9,9	183,6	18	
10325039802	SHF-20D-67-02	4 Way Reversing Valve (SHF) Tube D 3/4"	3/4"	7/8"	9,9	183,6	18	
10325031002	SHF-35B-67-04	4 Way Reversing Valve (SHF) Tube D 3/4"	3/4"	7/8"	14,7	212,2	12	
10325058501	SHF-35B-69-04	4 Way Reversing Valve (SHF) Tube D 3/4"	3/4"	1 1/8"	14,7	212,2	12	
10325059102	SHF-35B-59-04	4 Way Reversing Valve (SHF) Tube D 5/8"	5/8"	1 1/8"	14,7	212,2	12	
10325059002	SHF-35B-57-04	4 Way Reversing Valve (SHF) Tube D 5/8"	5/8"	7/8"	14,7	212,2	12	
10325058302	SHF-35B-79-04	4 Way Reversing Valve (SHF) Tube D 7/8"	7/8"	1 1/8"	14,7	212,2	12	
10325059702	SHF-50A-79	4 Way Reversing Valve (SHF) Tube D 7/8"	7/8"	1 1/8"	18,3	217	12	
10325030202	SHF(L)-70-810-20	4 Way Reversing Valve (SHF) Tube D 1"	1"	1 1/4"	28,5	303	1	
10325048902	SHF(L)-70-911-21	4 Way Reversing Valve (SHF) Tube D 1 1/8"	1 1/8"	1 3/8"	28,5	321	1	
10325049302	SHF(L)-70-913-25	4 Way Reversing Valve (SHF) Tube D 1 1/8"	1 1/8"	1 5/8"	28,5	321	1	
10325037902	SHF(L)-100-911	4 Way Reversing Valve (SHF) Tube D 1 1/8"	1 1/8"	1 3/8"	40,5	321		
10325034702	SHF(L)-100-913-01	4 Way Reversing Valve (SHF) Tube D 1 1/8"	1 1/8"	1 5/8"	40,5	303		
10180940402	SHF(L)-140-1214	4 Way Reversing Valve (SHF) Tube D 1 1/2"	1 1/2"	1 3/4"	58,4	390		
10325030402	SHF(L)-175-1217	4 Way Reversing Valve (SHF) Tube D 1 1/2"	1 1/2"	2 1/8"	70,5	390		
10325034002	SHF(L)-175-1317	4 Way Reversing Valve (SHF) Tube D 1 5/8"	1 5/8"	2 1/8"	70,5	390		
10325030502	SHF(L)-210-1321	4 Way Reversing Valve (SHF) Tube D 1 5/8"	1 5/8"	2 5/8"	84,4	452		



Technical Specifications

- Applicable for all common HCFC, HFC, HFO, HC
- Medium temperature TS min./max.: -30°C / +135°C
- Ambient temperature min./max.: -30°C / +50°C
- Relative humidity: 0 to 95% RH
- Max. operating pressure PS: 45 bar

Teknik Özellikler

- Tüm yaygın HCFC, HFC, HFO, HC'ler için uygundur
- Ortam sıcaklığı TS min./maks.: -30°C / +135°C
- Çevresel sıcaklık min./maks.: -30°C / +50°C
- Bağıl nem: 0 ila 95% RH
- Maks. işletme basıncı PS: 45 bar

Order No	Model	Description	Electrical Function/ Connection Type	Cable Length [mm]	Power Supply [-]	Power Consumption			Pack [qty]	Coil Bobini SQ
						AC 50Hz [W]	AC 60Hz [W]	DC [W]		
10805231802	SQ-D44012-000001	Coil For SHF, SQ-D44, DC 12V IP54	Spade (Faston)³	-	DC	-	-	10	39	
10805069302	SQ-D27012-000001	Coil For SHF, SQ-D27, DC 12V	Bi-stable Lead W	500	DC	-	-	20	39	
10805263302	SQ-A47024-000001	Coil For SHF, SQ-A47, AC 24V IP54	Spade (Faston)³	-	AC	6	5	-	39	
10805240702	SQ-A2522G-000870	Coil For SHF, SQ-A25, AC 220-240V	Lead Wires	1500	AC	4,5	3,5	-	39	
10805029102	SQ-A2522G-000001	Coil For SHF, SQ-A25, AC 220-240V	Lead Wires	500	AC	4,5	3,5	-	39	
10805227602	SQ-A25024-000001	Coil For SHF, SQ-A25, AC 24V IP54	Lead Wires	500	AC	4,5	3,5	-	39	



Order No	Model	Description	Cable Length [mm]	Pack [qty]	Wire Harness Tel Demeti SQ
20805136301	SQ-000000-090028	Accessory For 4-Way Valve SHF Coil SQ Wire Harness	1200	120	

