

SOLENOID VALVE SELECTION GUIDE

Parker-Sporlan Valves from the Sporlan Division – Parker-Hannifin Corporation

R Series Refrigeration Solenoid Valves

The Parker Refrigeration Valves consist of solenoid valves for liquid, suction and hot gas defrost application requirements. The valves are compatible with virtually all of today's commercially available CFC, HCFC and HFC refrigerants and blends. The Parker refrigeration valves meet a broad range of system needs including refrigeration, air conditioning and freezing applications. From small fractional tonnage to large systems.



The portfolio is endowed with numerous benefits including:

- Normally closed and normally open valves
- State of the art operator performance for long life, ease of service and tighter system integrity
- High pressure ratings to comply with R410A
- Extended end sweat connections enable brazing installation without disassembly
- AC & DC coils are interchangeable on all valve body versions

LIQUID CAPACITY IN TONS (MULTIPLY BY 12,000 FOR BTU)
EX. R22E53 = E5S130 = 1.9 TONS X 12,000 = 22,800 BTU MAX.

PARKER VALVE#	SPORLAN VALVE#	CONNECTIONS	COIL SIZE (#1 or #2) SPORLAN = MKC PARKER = PKC	PORT SIZE	LIQUID CAPACITY IN TONS (MULTIPLY BY 12,000 FOR BTU)		
					R410A in Tons (x12,000 for BTU)	R22/R407 in Tons (x12,000 for BTU)	R404A in Tons (x12,000 for BTU)
R12E22	E2S120-HP	1/4" ODF	PKC-1	.075"	0.98	0.8	0.53
R16F32	A3F1	1/4" SAE	PKC-1	.101"	---	1.6	1.1
R16E32	E3S120	1/4" ODF	PKC-1	.101"	---	1.6	1.1
R16E33	E3S130	3/8" ODF	PKC-1	.101"	---	1.6	1.1
R22E52	E5S120-HP	1/4" ODF	PKC-1	.150"	3.45	2.8	1.9
R22E53	E5S130-HP	3/8" ODF	PKC-1	.150"	3.45	2.8	1.9
R26F63	B6F1	3/8" SAE	PKC-1	3/16"	---	4.9	3.3
R26E63M	(M)E6S130-HP	3/8" ODF	PKC-1	3/16"	6.02	4.9	3.3
R26E64M	(M)E6S140-HP	1/2" ODF	PKC-1	3/16"	6.02	4.9	3.3
R32E93M	(M)E9S230-HP	3/8" ODF	PKC-2	9/32"	9.86	8.1	5.4
R32E94M	(M)E9S240-HP	1/2" ODF	PKC-2	9/32"	9.86	8.1	5.4
R36E104M	(M)E10S240-HP	1/2" ODF	PKC-2	5/16"	13.6	11.1	7.3
R36E105M	(M)E10S250-HP	5/8" ODF	PKC-2	5/16"	13.6	11.1	7.3
R38E145M	(M)E14S250-HP	5/8" ODF	PKC-2	7/16"	19.2	15.8	10.4
R38E147M	(M)E14S270-HP	7/8" ODF	PKC-2	7/16"	19.2	15.8	10.4
R42E195M	(M)E19S250-HP	5/8" ODF	PKC-2	19/32"	29.7	24.2	16
R42E197M	(M)E19S270-HP	7/8" ODF	PKC-2	19/32"	29.7	24.2	16
R42E199M	(M)E19S290-HP	1-1/8" ODF	PKC-2	19/32"	29.7	24.2	16
R46E257M	(M)E25S270-HP	7/8" ODF	PKC-2	25/32"	50.6	41.4	27.4
R46E259M	(M)E25S290-HP	1-1/8" ODF	PKC-2	25/32"	50.6	41.4	27.4
R52E359M	(M)E35S190-HP	1-1/8" ODF	PKC-1	1-3/32"	57.6	57.6	38.1
R52E3511M	(M)E35S1110-HP	1-3/8" ODF	PKC-1	1-3/32"	57.6	57.6	38.1
R56E4313M	(M)E42S2130-HP	1-5/8" ODF	PKC-1	1-5/16"	98.2	98.2	65.8
R56E4317M	(M)E42S2170-HP	2-1/8" ODF	PKC-1	1-5/16"	98.2	98.2	65.8

Available Coils: (Product labels are color coded by voltage)

Sporlan Coil = MKC / Parker Coil = PKC

VOLTAGE	#1	#2
120V	PKC-1-120	PKC-2-120
208/240V	PKC-1-208/240	PKC-2-208/240
120/240 DUAL VOLTAGE	PKC-1-120/240	PKC-2-120/240
24V	PKC-1-24	PKC-2-24

**For assistance with
 valve sizing or cross referencing,
 please call Seth at store #004
 (718) 257-3347 or (347) 576-0567**