

1-800-GRAINGER (472-4643)



Parker

Refrigeration Solenoid  
Valves and Coils

All coils are ribbed coil design. Use PKC-1 coil models with valve models R12 through R26 and R52 through R56. Use PKC-2 coil models with valve models R32 through R46.

Connec. Type/ Size (in.)	R-410A Liquid Line Tons @ 5 psi	R-134A Liquid Line Tons @ 5 psi	Mfr. Model	Item No.
<b>Valves</b>				
Flare 1/4	—	1.2	R16F32 SAE	29AH08
Flare 3/8	—	3.8	R26F63 SAE	29AH13
Sweat 1/4	—	1.2	R16E32	29AH09
Sweat 3/8	—	1.2	R16E33	29AH10
Sweat 1/2	0.98	0.56	R12E22	29AH07
Sweat 3/4	3.45	2.1	R22E52	29AH11
Sweat 1	3.45	2.1	R22E53	29AH12
Sweat 1 1/2	6.02	3.8	R26E63M	29AH14
Sweat 2	6.02	3.8	R26E64M	29AH15
Sweat 2 1/2	9.86	6.2	R32E93M	29AH16
Sweat 3	9.86	6.2	R32E94M	29AH17
Sweat 3 1/2	13.6	8.5	R36E104M	29AH18
Sweat 4	13.6	8.5	R36E105M	29AH19
Sweat 4 1/2	19.2	12	R38E147M	29AH20
Sweat 5	19.2	12	R38E145M	35ML17
Sweat 5 1/2	29.7	18.4	R42E195M	29AH21
Sweat 6	29.7	29.2	R42E197M	11X601
Sweat 1 1/2	29.7	29.2	R42E199M	11X602
Sweat 1 3/4	50.6	49.9	R46E257M	11X603
Sweat 1 5/8	50.6	49.9	R46E259M	11X604
Sweat 1 7/8	88.2	87.4	R52E359M	11X605
Sweat 2	88.2	87.4	R52E3511M	11X606
Sweat 2 1/8	156	96.9	R56E4313M	36PR82
Sweat 2 3/8	156	96.9	R56E4317M	36PR83

Voltage Operating	Watts	For Use With Coils, 50/60 Hz	Mfr. Model	Item No.
24V AC	10 W	R52E359M, R52E3511M	PKC-1-24	11X615
		R42E197M, R42E199M, R46E257M, R46E259M, R56E4213M, R56E4217M	PKC-2-24	11X618
	15 W			
120/240V AC	10 W	Refrigeration Solenoid Valves	PKC-1-120/240	35ML18
	15 W		PKC-2-120/240	35ML19
120VAC	10 W	R52E359M, R52E3511M	PKC-1-120	11X616
		R42E197M, R42E199M, R46E257M, R46E259M, R56E4213M, R56E4217M	PKC-2-120	11X619
120V AC	15 W			
208/240V AC	10 W	R52E359M, R52E3511M	PKC-1-208/240	11X617
		R42E197M, R42E199M, R46E257M, R46E259M, R56E4213M, R56E4217M	PKC-2-208/240	11X620
	15 W			

Johnson  
Controls

## Water-Regulating Valves

- Max. water pressure: 150 psig (V146 models are 350 psig)
- Corrosion-resistant material

Direct-acting valves open on pressure increase to regulate the flow of water or glycol to water-cooled condenser refrigeration systems. Pressure-balanced, modulating valves provide precise control of head pressure on open or closed refrigeration systems. Valves can be repaired without removal or system pump-down. V47 models are temperature-activated.

**Valves for High-Pressure Refrigerants**—Require Armored Capillary Tube 40G423, sold separately this page.

Connec. Size (in.)	Connec.	Type	Design Pressure (psig)	Set Points	Mfr. Model	Item No.
3/8	NPT	2 Way	—	70 to 260	V46AA-1C	40G447
	NPT	2 Way	320 psig	70 to 260	V46DA-2C	40G455
	NPT	2 Way	150 psig	70 to 260	V46EA-3C	20RG36
	NPT	2 Way	320 psig	115°F to 180°F	V47AA-1C	40G456
1/2	NPT	2 Way	320 psig	75°F to 135°F	V47AA-3C	40G457
	NPT	2 Way	—	70 to 260	V46AB-1C	40G448
	NPT	2 Way	320 psig	115°F to 180°F	V47AB-3C	40G458
	NPT	2 Way	320 psig	75°F to 135°F	V47AB-5C	40G459
3/4	NPT	2 Way	—	70 to 260	V46AC-1C	40G449
	NPT	2 Way	150 psig	70 to 260	V46AC-26C	20RG33
	NPT	2 Way	150 psig	70 to 260	V46BC-2C	20RG34
	NPT	2 Way	320 psig	115°F to 180°F	V47AC-3C	40G460
1	NPT	2 Way	150 psig	70 to 260	V47AC-4C	20RG37
	NPT	2 Way	320 psig	75°F to 135°F	V47AC-6C	40G461
	NPT	2 Way	150 psig	75°F to 135°F	V47AC-8C	20RG38
	NPT	2 Way	150 psig	70 to 260	V48AC-2C	20RG41
1 1/4	NPT	2 Way	—	70 to 260	V46AD-1C	40G450
	NPT	2 Way	150 psig	115 to 180	V47AD-2C	20RG39
1 1/2	NPT	2 Way	320 psig	70 to 260	V46AE-1C	40G451
	NPT	2 Way	150 psig	115 to 180	V47AE-2C	20RG40
2	Flange	2 Way	320 psig	70 to 260	V46AR-1C	40G452
	Flange	2 Way	150 psig	70 to 260	V46BR-2C	20RG35
2 1/2	Flange	2 Way	320 psig	160 to 260	V46AS-2C	40G453
	Flange	2 Way	320 psig	160 to 260	V46AT-2C	40G454

## Valves for High-Pressure Refrigerants, For Use With Non Corrosive Refrigerants

3/4	Sweat	2 Way	630 psig	200 to 400	V146GK1-001C	40G437
	Sweat	3 Way	630 psig	200 to 400	V148GK1-001C	40G439
1	Sweat	3 Way	630 psig	200 to 400	V146GL1-001C	40G438
	Sweat	3 Way	630 psig	200 to 400	V148GL1-001C	40G440
1 1/4	NPT	2 Way	630 psig	200 to 400	V246GE1-001C	40G441
	NPT	3 Way	630 psig	200 to 400	V248GE1-001C	40G442
1 1/2	Flange	2 Way	630 psig	200 to 400	V246GR1-001C	40G444
	Flange	2 Way	630 psig	200 to 400	V248GR1-001C	40G446

## Valves for High-Pressure Refrigerants, For Use With R-410A

3/8	NPT	2 Way	630 psig	200 to 400	V246GA1-001C	12Y955
	NPT	2 Way	630 psig	200 to 400	V246GB1-001C	12Y956
1/2	NPT	3 Way	630 psig	200 to 400	V246GB1-001C	12Y959
	NPT	2 Way	630 psig	200 to 400	V246GC1-001C	12Y957
3/4	NPT	3 Way	630 psig	200 to 400	V246GC1-001C	12Y960
	NPT	2 Way	630 psig	200 to 400	V246GD1-001C	12Y958
1	NPT	3 Way	630 psig	200 to 400	V246GD1-001C	12Y961

## Valves for High-Pressure Refrigerants, For Use With SEC99 Series

1	NPT	2 Way	630 psig	135 to 300 psi	V246ND1-001C	35LY98
	NPT	3 Way	630 psig	200 to 400 psi	V246GF1-001C	35LZ01
1 1/2	Flange	2 Way	630 psig	200 to 400 psig	V243GS-1C	35LZ06
	Flange	2 Way	630 psig	200 to 400 psi	V246GS1-001C	35LZ02
2	Flange	2 Way	630 psig	200 to 400 psi	V246HS1-001C	35LZ03
	Flange	2 Way	630 psig	200 to 400 psig	V243GT-1C	35LZ07
2 1/2	Flange	2 Way	630 psig	200 to 400 psig	V243GV-1C	35LZ08
	Flange	2 Way	630 psig	200 to 400 psig	V243GW-1C	35LZ09



40G447



40G425

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Capillaries

- For use with 1/4" male flare fitting connectors

Armored capillaries minimize pressure pulsation. Brass armor sleeve improves resistance to abrasion caused by vibration.

Note: Compatible with all common noncorrosive refrigerants.

Max. Working Pressure	Inside Dia.	Mfr. Model	Item No.
<b>Breakaway Schrader Depressor in One End, 2 Straight Fittings</b>			
18 in	600 psi	0.06 in	SEC99AA-18C 20RG42
24 in	600 psi	0.062 in	SEC99AA-24C 40G422
36 in	600 psi	0.062 in	SEC99AA-36C 40G423
48 in	600 psi	0.062 in	SEC99AA-48C 40G424
60 in	600 psi	0.06 in	SEC99AA-60C 20RG43
<b>Breakaway Schrader Depressor in Both Ends, One Straight and One 90° Fitting</b>			
18 in	600 psi	0.06 in	SEC99AB-18C 40G425
24 in	600 psi	0.06 in	SEC99AB-24C 40G426
36 in	600 psi	0.06 in	SEC99AB-36C 40G427
48 in	600 psi	0.06 in	SEC99AB-48C 40G428
60 in	600 psi	0.062 in	SEC99AB-60C 40G429
<b>Without Breakaway Schrader Depressor, One Straight and One 90° Fitting</b>			
18 in	600 psi	0.062 in	SEC99AD-18C 40G430
24 in	600 psi	0.062 in	SEC99AD-24C 40G431
36 in	600 psi	0.062 in	SEC99AD-36C 40G432
48 in	600 psi	0.06 in	SEC99AD-48C 20RG44

Output	Process Connec.	Range	Electrical Connections	Mfr. Model	Item No.
<b>0 to 10V DC</b>					
0 to 10V DC	1/8"-27 NPT External Thread	0 to 100 psi	Packard Connector	P599VAPS101C	53CW45
	1/4" SAE 45° Flare Internal Thread	0 to 500 psi	Packard Connector	P599VCP101C	53CW51
	1/8"-27 NPT External Thread	0 to 750 psi	Packard Connector	P599VCP105C	53CW53
	1/8"-27 NPT External Thread	0 to 100 psi	Packard Connector with 6 1/2 ft Wiring Harness	P599VCP107C	53CW55
0.5 to 4.5V DC	1/8"-27 NPT External Thread	0 to 750 psi	Packard Connector with 6 1/2 ft Wiring Harness	P599RAPS101K	53CW27
	1/8"-27 NPT External Thread	0 to 100 psi	Packard Connector	P598RAPS101K	53CW85
	1/4" SAE 45° Flare Internal Thread	0 to 500 psi	Packard Connector with 6 1/2 ft Wiring Harness	P599RAPS107C	53CW32
	1/4" SAE 45° Flare Internal Thread	0 to 750 psi	Packard Connector	P599RCP101C	53CW36
<b>4 to 20mA DC</b>	1/8"-27 NPT External Thread	0 to 100 psi	Packard Connector	P598RCP101K	53CW95
	1/4" SAE 45° Flare Internal Thread	0 to 500 psi	Packard Connector	P599RCP105C	53CW40
	1/4" SAE 45° Flare Internal Thread	0 to 750 psi	Packard Connector	P598RCP107C	53CX01
	1/4" SAE 45° Flare Internal Thread	0 to 750 psi	Packard Connector with 6 1/2 ft Wiring Harness	P598RCP107K	53CX02
4 to 20mA DC	1/8"-27 NPT External Thread	0 to 100 psi	Packard Connector	P599AAPS101C	53CW12
	1/4" SAE 45° Flare Internal Thread	0 to 500 psi	Packard Connector	P598ACPS105C	53CW78
	1/4" SAE 45° Flare Internal Thread	0 to 750 psi	Packard Connector	P599ACPS107C	53CW22
	13 ft Wiring Harness			WHA-PK03-400C	40G464
6 1/2 ft Wiring Harness				WHA-PK03-200C	40G463

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Transmitters

Rugged, compact, direct-mount pressure transducers produce an analog signal based on the sensed pressure and are ideal for use in air conditioning and commercial refrigeration applications.

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