



Cross-Reference

Ranco® Refrigeration Cross-Reference (Continued)

Pressure Controls (Ranco Series 3126-3161, G20-G23, and O10-O20) (Part 3 of 3)

Product #	Range	Differential	Switch	Capillary	Connection	Cover	Notes
Ranco PENN O16-527 P70EA-10C	10"/100 20"/100	10/40 ADJ 5 FXD	SPDT SPDT	36" None	w/ Flare External Flare	NEMA 1 NEMA 1	(3)
Ranco PENN O16-557 P70EA-10C	12"/50 20"/100	5/35 ADJ 5 FXD	SPDT SPDT	36" None	w/ Flare External Flare	NEMA 1 NEMA 1	(3)
Ranco PENN O16-585 P70HA-3C	10"/100 20"/100	Manual Manual	SPDT NO/NC	None None	External Flare Internal NPT	NEMA 1 NEMA 1	(4)(12)
Ranco PENN O20-1894 P170AA-118C	100/400 100/400	40/150 35/200	Open LO Open LO	None None	External Flare External Flare	NEMA 1 NEMA 1	
Ranco PENN O20-7002 P72AA-1C	12"/50 20"/100	5/35 7/50	DPST-LO DPST-LO	36" 36"	w/ Flare w/ Flare	NEMA 1 NEMA 1	
Ranco PENN O20-7006 P72AA-27C	100/400 100/400	40/150 35/200	DPST-LO DPST-LO	36" 36"	w/ Flare w/ Flare	NEMA 1 NEMA 1	

Pressure Controls (Ranco Series 3100, MPF, MPH, and MPL) (Part 1 of 3)

Product #	Cut-Out	Cut-In	Range	Switch	Electrical	Pressure	Notes
Ranco PENN 3100-001 P100AA-1C	15 10	40 40	None None	SPST SPST	30" Leads 48" Leads	1/4" Sweat 1/4" Internal Flare	
Ranco PENN 3100-002 P20EB-1C	5 ADJ.	30 N/A	None 7/150	SPST SPDT	72" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN 3100-003 P20EB-1C	20 ADJ.	45 N/A	None 7/150	SPST SPDT	72" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN 3100-004 P100AA-2C	35 35	60 60	None None	SPST SPST	QC 48" Leads	1/4" Internal Flare 1/4" Internal Flare	(8)
Ranco PENN 3100-005 P70AB-1C	15" VAC ADJ.	17.5 N/A	None 20"/100	SPDT SPST	QC Screw Terms.	1/4" Internal Flare 1/4" External Flare	(4)(5)(7)(8)
Ranco PENN 3100-006 P20EB-1C	48 ADJ.	80 N/A	None 7/150	SPDT SPDT	36" Leads Arkles	1/4" Sweat 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN 3100-007 P100AA-1C	15 10	40 40	None None	SPST SPST	30" Leads 48" Leads	1/4" Internal Flare 1/4" Internal Flare	
Ranco PENN 3100-009 P70AB-1C	0 ADJ.	20 N/A	None 20"/100	SPST SPST	QC Screw Terms.	1/4" Internal Flare 1/4" External Flare	(4)(5)(7)(8)
Ranco PENN 3100-010 P20EB-1C	45 ADJ.	70 N/A	None 7/150	SPDT SPDT	QC Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)
Ranco PENN 3100-050 P100AA-1C	10 10	30 40	None None	SPST SPST	18" Leads 48" Leads	1/4" Internal Flare 1/4" Internal Flare	
Ranco PENN 3100-051 P20EB-1C	25 ADJ.	80 N/A	None 7/150	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN 3100-052 P100AA-2C	40 35	80 60	None None	SPST SPST	18" Leads 48" Leads	1/4" Internal Flare 1/4" Internal Flare	
Ranco PENN 3100-075 P70AA-119C	85 ADJ.	135 N/A	None 50/300	SPDT SPST	QC Screw Terms.	1/4" Internal Flare 1/4" Internal Flare	(5)(7)(8)(12)
Ranco PENN 3100-076 P20EB-1C	108 ADJ.	135 N/A	None 7/150	SPST SPDT	QC Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)(12)
Ranco PENN 3100-077 P170AA-118C	115 ADJ.	165 N/A	None 100/400	SPST SPST	QC Screw Terms.	1/4" Internal Flare 1/4" External Flare	(4)(5)(7)(8)
Ranco PENN 3100-078 P170AA-118C	135 ADJ.	185 N/A	None 100/400	SPDT SPST	QC Screw Terms.	1/4" Internal Flare 1/4" External Flare	(4)(5)(7)(8)(12)
Ranco PENN 3100-079 P100AA-4C	165 170	215 250	None None	SPST SPST	QC 48" Leads	1/4" Internal Flare 1/4" Internal Flare	(8)
Ranco PENN 3100-080 P170AA-118C	200 ADJ.	240 N/A	None 100/400	SPDT SPST	QC Screw Terms.	1/4" Internal Flare 1/4" External Flare	(4)(5)(7)(8)(12)
Ranco PENN 3100-081 P170AA-118C	250 ADJ.	300 N/A	None 100/400	SPDT SPST	QC Screw Terms.	1/4" Internal Flare 1/4" External Flare	(4)(5)(7)(8)(12)
Ranco PENN 3100-100 P100CA-2C	425 425	325 325	None None	SPST SPST	72" Leads 48" Leads	1/4" Internal Flare 1/4" Internal Flare	
Ranco PENN 3100-101 P100CA-1C	400 400	300 300	None None	SPST SPST	18" Leads 48" Leads	1/4" Internal Flare 1/4" Internal Flare	

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Cross-Reference

Ranco® Refrigeration Cross-Reference (Continued)

Pressure Controls (Ranco Series 3100, MPF, MPH, and MPL) (Part 2 of 3)

Product	#	Cut-Out	Cut-In	Range	Switch	Electrical	Pressure	Notes
Ranco PENN	3100-102 P100CA-2C	220 425	170 325	None None	SPST SPST	QC 48" Leads	1/4" Internal Flare 1/4" Internal Flare	(8)
Ranco PENN	3100-103 P100DA-1C	410 410	Manual Manual	None None	SPST SPST	42" Leads 48" Leads	1/4" Internal Flare 1/4" Internal Flare	
Ranco PENN	3100-104 P70DA-1C	420 ADJ.	Manual Manual	None 50/450	SPST SPST	48" Leads Screw Terms.	1/4" Internal Flare 36" Cap, Flare	(4)(5)(7)(8)
Ranco PENN	3100-105 P70DA-1C	440 ADJ.	Manual Manual	None 50/450	SPST SPST	36" Leads Screw Terms.	.093 Cap. Tube 36" Cap, Flare	(4)(5)(7)(8)
Ranco PENN	3100-106 P100DA-2C	475 475	Manual Manual	None None	SPST SPST	42" Leads 48" Leads	1/4" Sweat w/ Cap. 1/4" Internal Flare	(4)
Ranco PENN	3100-107 P70DA-1C	232 ADJ.	Manual Manual	None 50/450	SPST SPST	84" Leads Screw Terms.	1/4" Internal Flare 36" Cap, Flare	(4)(5)(7)(8)
Ranco PENN	3100-108 P20EB-2C	280 ADJ.	Manual N/A	None 100/425	SPST SPDT	12" Leads Arkles	1/4" NPTF 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN	3100-110 P20EB-2C	375 ADJ.	275 N/A	None 100/425	SPDT SPDT	QC Arkles	1/4" Sweat 36" Cap, Sweat	(4)(5)(6)(7)
Ranco PENN	3100-111 P20EB-2C	375 ADJ.	275 N/A	None 100/425	SPST SPDT	QC Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)
Ranco PENN	3100-112 P20EB-2C	275 ADJ.	175 N/A	None 100/425	SPST SPDT	24" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN	3100-113 P20EB-2C	395 ADJ.	295 N/A	None 100/425	SPST SPDT	QC Arkles	1/4" Sweat 36" Cap, Sweat	(4)(5)(6)(7)
Ranco PENN	3100-115 P20EB-2C	350 ADJ.	250 N/A	None 100/425	SPDT SPDT	36" Leads Arkles	1/4" Sweat 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN	3100-116 P20EB-2C	213 ADJ.	113 N/A	None 100/425	SPST SPDT	QC Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)
Ranco PENN	3100-117 P20EB-2C	140 ADJ.	190 N/A	None 100/425	SPST SPDT	12" Leads Arkles	.093 Cap. Tube 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN	3100-118 P20EB-2C	295 ADJ.	395 N/A	None 100/425	SPST SPDT	QC Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)
Ranco PENN	3100-120 P20EB-2C	420 ADJ.	320 N/A	None 100/425	SPST SPDT	QC Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)
Ranco PENN	3100-121 P20EB-2C	426 ADJ.	272 N/A	None 100/425	SPST SPDT	QC Arkles	1/4" Sweat 36" Cap, Sweat	(4)(5)(6)(7)
Ranco PENN	3100-150 P20EB-2C	350 ADJ.	250 N/A	None 100/425	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN	3100-151 P100CA-1C	400 400	300 300	None None	SPST SPST	18" Leads 48" Leads	1/4" Internal Flare 1/4" Internal Flare	
Ranco PENN	3100-152 P100CA-1C	400 400	200 300	None None	SPST SPST	18" Leads 48" Leads	1/4" Internal Flare 1/4" Internal Flare	
Ranco PENN	3100-153 P20EB-2C	450 ADJ.	250 N/A	None 100/425	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN	3100-154 P70LB-1C	500 ADJ.	400 N/A	None 100/500	SPST SPST	18" Leads Screw Terms.	1/4" Internal Flare 36" Cap, Flare	(4)(5)(7)(8)(9)
Ranco PENN	3100-155 P70LB-1C	500 ADJ.	300 N/A	None 100/500	SPST SPST	18" Leads Screw Terms.	1/4" Internal Flare 36" Cap, Flare	(4)(5)(7)(8)(9)
Ranco PENN	MPF-7006 P20EB-1C	75 ADJ.	120 N/A	None 7/150	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN	MPF-7007 P20EB-1C	110 ADJ.	170 N/A	None 7/150	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN	MPF-7008 P100AA-3C	150 150	225 225	None None	SPST SPST	18" Leads 48" Leads	1/4" Internal Flare 1/4" External Flare	
Ranco PENN	MPF-7009 P20EB-2C	190 ADJ.	275 N/A	None 100/425	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN	MPF-7010 P20EB-2C	300 ADJ.	400 N/A	None 100/425	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN	MPH-7101 P20EB-2C	250 ADJ.	180 N/A	None 100/425	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)

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Cross-Reference

Ranco® Refrigeration Cross-Reference (Continued)

Pressure Controls (Ranco Series 3100, MPF, MPH, and MPL) (Part 3 of 3)

Product #	Cut-Out	Cut-In	Range	Switch	Electrical	Pressure	Notes
Ranco PENN MPH-7102 P20EB-2C	270 ADJ.	200 N/A	None 100/425	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN MPH-7103 P20EB-2C	300 ADJ.	200 N/A	None 100/425	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN MPH-7104 P20EB-2C	325 ADJ.	225 N/A	None 100/425	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN MPH-7105 P20EB-2C	350 ADJ.	250 N/A	None 100/425	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN MPH-7106 P20EB-2C	375 ADJ.	275 N/A	None 100/425	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN MPH-7107 P100CA-1C	400 400	300 300	None None	SPST SPST	18" Leads 48" Leads	1/4" Internal Flare 1/4" External Flare	
Ranco PENN MPH-7108 P100CA-2C	425 425	325 325	None None	SPST SPST	18" Leads 48" Leads	1/4" Internal Flare 1/4" External Flare	
Ranco PENN MPL-7001 P100AC-1C	5 5	20 20	None None	SPST SPST	18" Leads 48" Leads	1/4" Internal Flare 1/4" External Flare	
Ranco PENN MPL-7002 P100AA-1C	15 10	35 40	None None	SPST SPST	18" Leads 48" Leads	1/4" Internal Flare 1/4" External Flare	
Ranco PENN MPL-7003 P20EB-1C	25 ADJ.	80 N/A	None 7/150	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN MPL-7004 P100AA-2C	35 35	60 60	None None	SPST SPST	18" Leads 48" Leads	1/4" Internal Flare 1/4" External Flare	
Ranco PENN MPL-7005 P20EB-1C	45 ADJ.	60 N/A	None 7/150	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN MPL-7011 P20EB-1C	10 ADJ.	25 N/A	None 7/150	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN MPL-7012 P20EB-1C	20 ADJ.	45 N/A	None 7/150	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN MPL-7014 P20EB-1C	40 ADJ.	80 N/A	None 7/150	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)

Dual Pressure Controls (Part 1 of 2)

Product #	LO Side	Differential	HI Side	Differential	Capillary	Connection	Notes
Ranco PENN O12-1502 P70LB-6C	12"/50 12"/80	5/35 5/35	150/450 100/500	70 FXD 60 FXD	36" 36"	W/ Flare W/ Flare	
Ranco PENN O12-1505 P170LB-6C	12"/50 12"/80	5/35 5/35	100/250 100/500	50 FXD 60 FXD	None None	External Flare External Flare	
Ranco PENN O12-1506 P70LB-6C	12"/50 12"/80	5/35 5/35	100/250 100/500	50 FXD 60 FXD	36" 36"	W/ Flare W/ Flare	
Ranco PENN O12-1549 P70LB-1C	10"/100 20"/100	10/40 7/50	150/450 100/500	70 FXD 60 FXD	36" 36"	W/ Flare W/ Flare	
Ranco PENN O12-1550 P170LB-1C	10"/100 20"/100	10/40 7/50	150/450 100/500	70 FXD 60 FXD	None None	External Flare External Flare	
Ranco PENN O12-1554 P70LB-6C	12"/50 12"/80	5/35 5/35	100/250 100/500	50 FXD 60 FXD	48" 36"	W/ Flare W/ Flare	
Ranco PENN O12-1594 P70NA-1C	10"/100 20"/100	Manual Manual	150/450 100/500	Manual Manual	36" 36"	W/ Flare W/ Flare	
Ranco PENN O12-4139 P170LB-6C	12"/50 12"/80	5/35 5/35	150/450 100/500	70 FXD 60 FXD	None None	External Flare External Flare	
Ranco PENN O12-4833 P70SA-1C	12"/50 12"/80	5/35 5/35	150/450 100/500	70 FXD/Man 60 FXD	48" 36"	W/ Flare W/ Flare	
Ranco PENN O12-4834 P70SA-1C	10"/100 12"/80	10/40 5/35	150/450 100/500	70 FXD/Man 60 FXD	48" 36"	W/ Flare W/ Flare	
Ranco PENN O12-4842 P170SA-1C	12"/50 12"/80	5/35 5/35	150/450 100/500	70 FXD/Man 60 FXD	None None	External Flare External Flare	
Ranco PENN O12-4846 P170SA-1C	10"/100 12"/80	10/40 5/35	150/450 100/500	70 FXD/Man 60 FXD	None None	External Flare External Flare	
Ranco PENN O22-7702 P72LB-1C	12"/50 20"/100	5/35 7/50	100/250 100/500	50 FXD/Man 60 FXD	36" 36"	W/ Flare W/ Flare	(2)

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