



The Ranco® O Series Pressure Controls are offered with Single Low, Single High, and Dual functionality. The Ranco O Series Dual Pressure Controls combine the functions of a single high-pressure limit control and a single low-pressure control in one unit with a single pole, single throw (SPST) switch or a single pole, double throw (SPDT) switch. The Ranco® O Series Single Low and High Pressure Controls offer a variety of pressure ranges and switch action to provide maximum application flexibility.

Features and Benefits

- High-impact non-conductive plastic cover with center mount captive screw
- Super Cap® capillary protection system
 - Vibration cone (absorbs and reduces vibration away from brazed joint)
 - Low mass copper alloy capillary tube (reduces capillary stress caused by equipment vibration)
- Easy-to-read scale plate
- Heavy-duty plated steel frame
- Universal mounting and compact design
- Compatible with most refrigerants including R124, 134A, 401A, 401B, 402A, 402B, 403A, 403B, 404A and R507
Newer refrigerants that are replacing older refrigerants may be compatible with these controls, however, testing is recommended for full compatibility assurance.
- A high-pressure limit is combined with suction pressure sensing to provide temperature control and/or pump down
- High-limit adjustment screw
- Low-pressure differential and range adjusting screws
- Selector screw for manual or automatic
- Screw terminals are raised and fully accessible for easy wiring
- Reset button on manual controls
- Low-pressure scale plate
- High-pressure scale plate
- Color-coded for easy identification of pressure line
 - High-side capillary flare nut (silver)
 - Low-side capillary flare nut (brass)
- Laser-welded bellows for extended life

Replacement Cross Reference

Part Numbers	Replaces
012-4154-081	017-H6703-101
012-4860-081	017-H6705-101
012-5501-080	017-H6701-101
012-5500-080	017-H4701-101
012-5001-080	017-H4703-101
012-5000-080	017-H4705-101
016-528-081	016-H6703-101
016-530-081	016-H6750-101
016-531-081	016-H6751-101
016-638-081	016-H6705-101

1 Year Limited Warranty



Specifications - Dual Pressure Controls - EMEA

Part Numbers	Description	Switch	Low Reset	Low Cut-In	Low Differential	High Reset	High Cut-Out	High Differential	Pressure Connection	Capillary Length Meters (inches)	Order IP44 Cover Part Number
012-1549-000	Dual Pressure Control	SPST	Auto	0.3 to 7 bar (10" Hg to 100 PSI)	1 to 3 bar (10 to 40 PSI)	Auto	10 to 31 bar (150 to 450 PSI)	5 bar (70 PSI) Fixed	1/4" SAE Flare Nut	0.9m (36")	206-00231-003
012-1550-081	Dual Pressure Control	SPST	Auto	0.3 to 7 bar (10" Hg to 100 PSI)	1 to 3 bar (10 to 40 PSI)	Auto	10 to 31 bar (150 to 450 PSI)	5 bar (70 PSI) Fixed	Male Connection 7/16" - 20 UNF for a 1/4" Female Flare	NA	206-00231-003
012-4154-081	Dual Pressure Control	SPST	Manual	0.3 to 7 bar (10" Hg to 100 PSI)	1 bar (10 PSI)	Manual	10 to 31 bar (150 to 450 PSI)	5 bar (70 PSI) Fixed	Male Connection 7/16" - 20 UNF for a 1/4" Female Flare	NA	206-00231-002
012-4860-081	Dual Pressure Control	SPST	Auto	0.3 to 7 bar (10" Hg to 100 PSI)	1 to 3 bar (10 to 40 PSI)	Convertible (Manual or Auto)	10 to 31 bar (150 to 450 PSI)	5 bar (70 PSI) Fixed	Male Connection 7/16" - 20 UNF for a 1/4" Female Flare	NA	206-00231-001
012-4900-081	Dual Pressure Control	SPST	Auto	0.3 to 7 bar (10" Hg to 100 PSI)	1 to 3 bar (10 to 40 PSI)	Auto	10 to 31 bar (150 to 450 PSI)	5 bar (70 PSI) Fixed	Male Connection 7/16" - 20 UNF for a 1/4" Female Flare	NA	206-00231-003
012-5501-080	Dual Pressure Control	SPST	Auto	0.3 to 7 bar (10" Hg to 100 PSI)	0.6 to 3.9 bar (9 to 57 PSI)	Auto	7 to 30 bar (100 to 435 PSI)	3.5 bar (50 PSI) Fixed	Male Connection 7/16" - 20 UNF for a 1/4" Female Flare	NA	206-00231-003
012-5500-080	Dual Pressure Control	SPDT	Auto	0.3 to 7 bar (10" Hg to 100 PSI)	0.6 to 3.9 bar (9 to 57 PSI)	Auto	7 to 30 bar (100 to 435 PSI)	3.5 bar (50 PSI) Fixed	Male Connection 7/16" - 20 UNF for a 1/4" Female Flare	NA	206-00231-003
012-5001-080	Dual Pressure Control	SPDT	Manual	0.3 to 7 bar (10" Hg to 100 PSI)	0.6 bar (9 PSI) Fixed	Manual	7 to 30 bar (100 to 435 PSI)	3.5 bar (50 PSI) Fixed	Male Connection 7/16" - 20 UNF for a 1/4" Female Flare	NA	206-00231-002
012-5000-080	Dual Pressure Control	SPDT	Auto	0.3 to 7 bar (10" Hg to 100 PSI)	0.6 to 3.9 bar (9 to 57 PSI)	Manual	7 to 30 bar (100 to 435 PSI)	3.5 bar (50 PSI) Fixed	1/4" SAE Male Flare Fitting	NA	206-00231-001

Note: IP44 Rated if control is ordered with optional cover.

Specifications - Single High and Low Pressure Controls - EMEA

Part Numbers	Description	Reset	Switch	Pressure Range	Differential	Pressure Connection	Capillary Length Meters (inches)	Order IP44 Cover Part Number
016-107-057	Low Pressure Control	Auto	SPDT	0.3 to 7 bar (10" Hg to 100 PSI)	1 to 3 bar (10 to 40 PSI)	1/4" SAE Male Flare Fitting	NA	206-00232-002
016-108	High Pressure Control	Auto	SPDT	7 to 27 bar (100 to 400 PSI)	3 to 10 bar (40 to 150 PSI)	1/4" SAE Flare Nut	0.9m (36")	206-00232-002
016-209-000	High Pressure Control	Manual	SPDT	0.3 to 7 bar (10" Hg to 100 PSI)	3 bar (40 PSI) Fixed	1/4" SAE Male Flare Fitting	NA	206-00232-001
016-527	Low Pressure Control	Auto	SPDT	0.3 to 7 bar (10" Hg to 100 PSI)	1 to 3 bar (10 to 40 PSI)	1/4" SAE Flare Nut	0.9m (36")	206-00232-002
016-528-081	Low Pressure Control	Auto	SPDT	0.3 to 7 bar (10" Hg to 100 PSI)	1 to 3 bar (10 to 40 PSI)	1/4" SAE Male Flare Fitting	NA	206-00232-001
016-530-081	High Pressure Control	Auto	SPDT	7 to 27 bar (100 to 400 PSI)	3 to 10 bar (40 to 150 PSI)	Male Connection 7/16" - 20 UNF	NA	206-00232-002
016-531-081	High Pressure Control	Manual	SPDT	10 to 31 bar (150 to 450 PSI)	3 bar (40 PSI) Fixed	Male Connection 7/16" - 20 UNF	NA	206-00232-001
016-585-000	Low Pressure Control	Manual	SPDT	0.3 to 7 bar (10" Hg to 100 PSI)	1 bar (10 PSI) Fixed	1/4" SAE Male Flare Fitting	NA	206-00232-001
016-624	Low Pressure Control	Auto	SPDT	0.4 to 5.5 bar (12" Hg to 80 PSI)	0.3 to 2.6 bar (5 to 38 PSI)	1/4" SAE Flare Nut	0.9m (36")	206-00232-002
016-638-081	Low Pressure Control	Manual	SPDT	0.3 to 7 bar (10" Hg to 100 PSI)	0.6 bar (9 PSI)	Male Connection 7/16" - 20 UNF	NA	206-00232-001

Note: IP44 Rated if control is ordered with optional cover.



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