



O16-528-081



O12-1550-081

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. 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
- Easy-to-read scale plate
- Heavy-duty plated steel frame
- Universal mounting and compact design

Ranco Dual Pressure Controls have additional features:

- 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
- Reset button
- 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)

Ranco Single Low Pressure Controls have additional features:

- Controls available for most refrigerant types
- Adjustable differential and range
- Vibration cone (absorbs and reduces vibration away from brazed joint)
- Low mass copper alloy capillary tube (reduces capillary stress caused by equipment vibration)
- The O16-624 control is compatible with refrigerants 134A, 401A, 401B, 402A, 402B, 403A, 403B and 404A. It was originally designed for use with obsolete refrigerants R12, R22, R500 and R502

Ranco Single High Pressure Controls have additional features:

- Screw terminals are raised and fully accessible for easy wiring
- Laser-welded bellows for extended life
- Suitable for R12, R22, and R502 applications



O SERIES

PRESSURE CONTROLS

Specifications - Dual Pressure Controls

Part Numbers	Description	Switch	Low Reset	Low Cut-In PSI (bar)	Low Differential PSI (bar)	High Reset	High Cut-Out PSI (bar)	High Differential PSI (bar)	Pressure Connection	Capillary Length Inches (meters)	Replaces
012-1549-000	Dual Pressure Control	SPST	Auto	10" Hg to 100 (0.3 to 7)	10 to 40 (1 to 3)	Auto	150 to 450 (10 to 31)	70 (5) Fixed	1/4" SAE Flare Nut	36" (0.9m)	
012-1550-081	Dual Pressure Control	SPST	Auto	10" Hg to 100 (0.3 to 7)	11 to 40	Auto	150 to 450 (10 to 31)	70 (5) Fixed	1/4" SAE Flare Nut	NA	
012-4154-081	Dual Pressure Control	SPST	Manual	10" Hg to 100 (0.3 to 7)	10 (1)	Manual	150 to 450 (10 to 31)	70 (5) Fixed	Male Connection 7/16" - 20 UNF for a 1/4" Female Flare	NA	017-H6703-101
012-4860-081	Dual Pressure Control	SPST	Auto	10" Hg to 100 (0.3 to 7)	10 to 40 (1 to 3)	Convertible	150 to 450 (10 to 31)	70 (5) Fixed	Male Connection 7/16" - 20 UNF for a 1/4" Female Flare	NA	017-H6705-101
012-4900-081	Dual Pressure Control	SPST	Auto	10" Hg to 100 (0.3 to 7)	10 to 40 (1 to 3)	Auto	150 to 450 (10 to 31)	70 (5) Fixed	Male Connection 7/16" - 20 UNF for a 1/4" Female Flare	NA	017-H6701-101

Specifications - Single High and Low Pressure Controls

Part Numbers	Description	Reset	Switch	Pressure Range PSI (bar)	Differential PSI (bar)	Pressure Connection	Capillary Length Inches (meters)	Replaces
016-107-057	Low Pressure Control	Auto	SPDT	10" Hg to 100 (0.3 to 7)	10 to 40 (1 to 3)	1/4" SAE Flare Nut	NA	
016-108	High Pressure Control	Auto	SPDT	100 to 400 (7 to 27)	40 to 150 (3 to 10)	1/4" SAE Flare Nut	36" (0.9m)	
016-209-000	High Pressure Control	Manual	SPDT		40 (3) Fixed	1/4" SAE Flare Nut	NA	
016-527	Low Pressure Control	Auto	SPDT	10" Hg to 100 (0.3 to 7)	10 to 40 (1 to 3)	1/4" SAE Flare Nut	36" (0.9m)	
016-528-081	Low Pressure Control	Auto	SPDT	10" Hg to 100 (0.3 to 7)	10 to 40 (1 to 3)	Male Connection 7/16" - 20 UNF	NA	016-H6703-101
016-530-081	High Pressure Control	Auto	SPDT	100 to 400 (7 to 27)	40 to 150 (3 to 10)	Male Connection 7/16" - 20 UNF	NA	016-H6750-101
016-531-081	High Pressure Control	Manual	SPDT	150 to 450 (10 to 31)	40 (3) Fixed	Male Connection 7/16" - 20 UNF	NA	016-H6751-101
016-585-000	Low Pressure Control	Manual	SPDT	10" Hg to 100 (0.3 to 7)	10 (1) Fixed	1/4" SAE Flare Nut	NA	
016-624	Low Pressure Control	Auto	SPDT	12" Hg to 80 (0.4 to 5.5)	5 to 38 (0.3 to 2.6)	1/4" SAE Flare Nut	36" (0.9m)	
016-638-081	Low Pressure Control	Manual	SPDT	10" Hg to 100 (0.3 to 7)	9 (0.6)	Male Connection 7/16" - 20 UNF	NA	016-H6705-101



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 1/17 – 150-2598