

Type 7150

Precision Air Relay

Superior accuracy and stability with high forward and reverse flow capacity

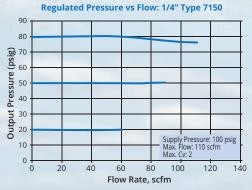
The Type 7150 is a high precision, multi-stage pressure relay offering fine adjustment and maximum stability under variable operating conditions. The Type 7150 combines the proven and reliable technology of the ControlAir Type 200 with the high forward and reverse flow of the Type 6100, 1:1 Relay Volume Booster. A highly sensitive capsule controls the pilot pressure which offers crisp and accurate adjustment.

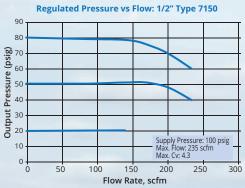
Relief capacity up to 80 scfm combined with dynamic sensitivity makes the Type 7150 superior for pneumatic counter balance applications.

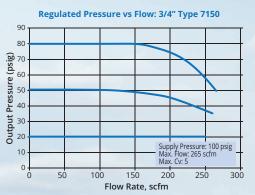
Features

- 1/4", 1/2" or 3/4" NPT Porting
- High Flow Capacity See flow curves.
- High Relief Capacity
 Allows relief flow up to 80 scfm.
- Superior Sensitivity
 Senses output pressure deviations to within 1/4 inch water column pressure.
- Stable Output Isolated control chamber prevents output variation and vibration during flow conditions.
- Balanced Supply Valve
 Virtually eliminates output pressure changes due to supply pressure variations.
- Positive and Negative Biasing Capability
- Two 1/4" NPT Gauge Ports

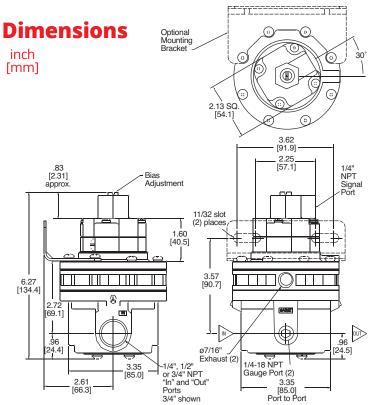


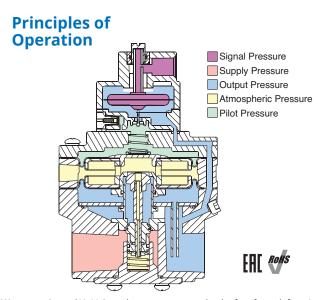






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Warranty ControlAir LLC products are warranted to be free from defects in materials and workmanship for a period of eighteen months from the date of sale, provided said products are used according to ControlAir LLC recommended usages. ControlAir LLC's liability is limited to the repair, purchase price refund, or replacement in kind, at ControlAir LLC's sole option, of any products proved defective. ControlAir LLC reserves the right to discontinue manufacture of any products or change products materials, designs or specifications without notice. Note: ControlAir does not assume responsibility for the selection, use, or maintenance of any product. Responsibility for the proper selection, use, and maintenance of any ControlAir product remains solely with the purchaser and end user. Drawing downloads available at www.controlair.com

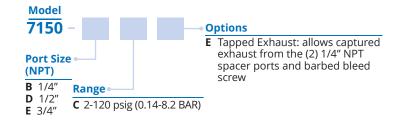
Specifications

Supply Pressure	250 psig (17.0 BAR) maximum		
Signal Pressure	120 psig (8 BAR) maximum		
Air Consumption	14 scfh (6.6 Nl/min)		
Temperature Limits	-20 to 160°F (-29 to 71°C)		
Maximum Flow	Port	Forward	Exhaust
Coefficients (Cv)	3/4"	5.0	3.5
	1/2"	4.5	3.5
	1/4"	2.0	2.5
Exhaust Capacity	3/4"		264 NL/min)
	1/2"		123 NL/min)
	1/4"	35 scfm (99	31 NL/min)
Bleed Rate	Less than 0.08 scfm (2.3 NL/min)		
Sensitivity	Less than 1/4 inch (6.3 mm) water		
Bias Range	-30 psig (-2 BAR) to +100 psig (6.7 BAR)		
	Max. c	output 120 psig	g (8 BAR)
Effect of Supply Pressure	.05 psig (3.4m BAR) for a		
Variation on Output	100 psig (6.9 BAR) change		
Mounting	Pipe, panel or bracket		
Supply/Output Port	1/4", 1/2", or 3/4" NPT		
Signal Port	1/4" NPT		
Exhaust Port (2)	ø7/16" or 1/4" NPT option		
Gauge Port (2)	1/4" NPT		
Weight	2.5 lbs (1.13 kg)		

Materials

Housing	Diecast aluminum alloy and zinc alloy
Bolting	Zinc Plated Steel
Internal components	Stainless steel, plated steel, brass, aluminum
Elastomers	Nitrile

Ordering Use this coding system to order



Accessories

Mounting Bracket (zinc plated steel): P/N 449-542-045

1/4" NPT Exhaust Screen/Muffler Fitting:

Plated Steel: P/N 445-761-008

(Unit must have 'E' tapped exhaust option)

