Features

3/4", 1", 1-1/4 & 1-1/2" Ports

Super-Duty Series regulators are used in large flow compressed air systems to help maintain constant outlet pressure. Gauge ports are 1/4" full flow and can be used as auxiliary outlet ports.

- Units can be mounted to a panel that is 1/16" min. to 5/32" max. thickness.
- Aluminum Die Cast body is light weight and corrosion resistant.
- Non-rising adjustment knob can be locked. Easy adjustment under any pressure.
- Buna N diaphragms and seals provide excellent elasticity and long seal life.
- Balanced valve design gives accurate and quick response to flow demands.



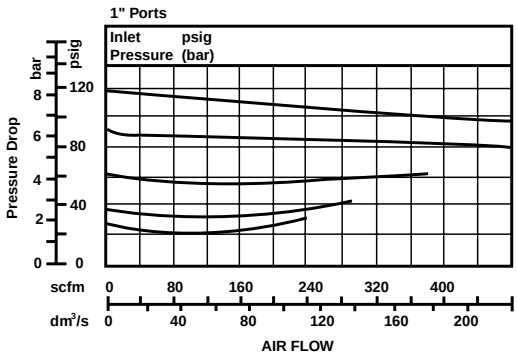
R27461-100

(order gauges separately)

Performance Specifications

Max. Inlet Pressure:	300 PSIG (20.7 bar)	**Spring Housing:**	Aluminum
Press. Range in Reg.:	5 to 250 PSIG (.4 to 17 bar)	**Body:**	Aluminum
Oper. Temp. Range:	0° to 175° F (-18° to 79° C)	**Seals:**	Buna-N
Weight:	3/4" = 3.51 lbs. (1.60 kg), 1" = 3.22 lbs. (1.46 kg) 1-1/4 = 2.90 lbs. (1.31 kg), 1-1/2" = 2.58 lbs. (1.17 kg)	**Diaphragm:**	Buna-N
		Valve:	Aluminum & Nylon
		Knob:	High Impact ABS
***Flow:**	3/4" = 180 SCFM (85 dm^3/s), 1" = 200 SCFM (94 dm^3/s) 1-1/4" = 440 SCFM (207 dm^3/s), 1-1/2" = 440 SCFM (207 dm^3/s)		

*Air flow is at 150 PSIG (10.4 bar) and 90 PSIG (6.9 bar) outlet.



Ordering

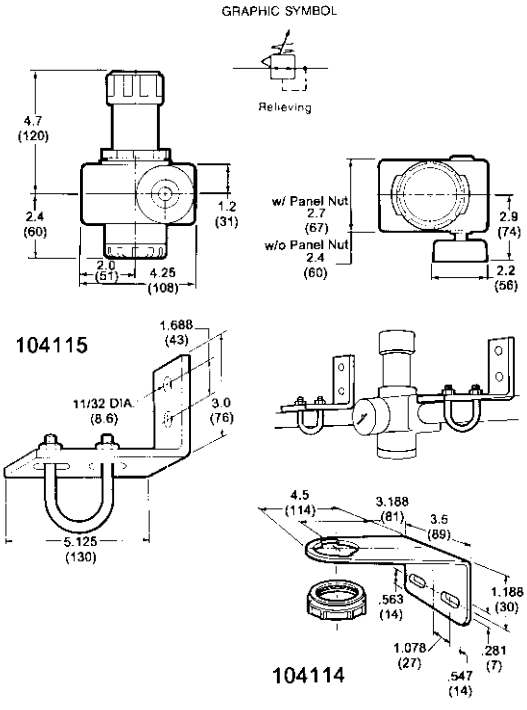
Select the basic model number which represents the port size desired. From table below, select the number representing lubricator options required.

PORT SIZE	BASIC MODEL			
3/4"	R27451-	X	X	X
1"	R27461-	X	X	X
1-1/4"	R27471-	X	X	X
1-1/2"	R27481-	X	X	X

Shaded area = Best-Selling Models

Pressure Range PSIG (Bar)	Relieving Option	Control Option
1= 5 - 125 (.4 - 8.6) No gauge	0= Relieving	0= Standard Knob
2= 5 - 50 (.4 - 3.5) No gauge		
3=10 - 250 (.7 - 17) No gauge		

Dimensional Data



Accessories

MODEL	DESCRIPTION	MODEL	DESCRIPTION
100066	Gauge 0-60 PSIG (0-4)	**104115**	U-Bolt Mounting Bracket
100067	Gauge 0-160 PSIG (0-11)	**104120**	Spring, 5-50 lb.
100083	Gauge 0-300 PSIG (0-21)	**104121**	Spring, 5-125 lb.
104117	Service Kit, Relieving Type	**104122**	Spring, 15-250 lb.
104114	Panel Nut & Mounting Bracket		

***CAUTION:** Outlet pressure adjustment ranges are not minimum or maximum outlet pressure limits. Regulators can be adjusted to zero PSIG secondary pressure and, generally, to pressures in excess of those specified. The use of these regulators to control pressures outside of the specified ranges is not recommended.

Features

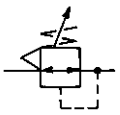
2" Ports

Super-Duty High Flow regulators are used in large flow compressed air systems to help maintain constant outlet pressure. Gauge ports are full flow and can be used as auxiliary outlet ports.

- Aluminum Die Cast body is light weight and corrosion resistant.
- Non-rising adjustment knob can be locked. Easy adjustment under any pressure.
- Balanced valve design gives accurate and quick response to flow demands.
- Exceptionally high relief flow.



R27491-100



Performance Specifications

Max. Inlet Pressure:	450 PSIG	**Spring Housing:**	Aluminum
Press. Range in Reg:	15 to 250 PSIG (1.0 to 17 bar)	**Body:**	Aluminum
Oper. Temp. Range:	0° to 175° F (-18° to 79° C)	**Seals:**	Buna-N
Weight:	2" = 9 lbs. (4.1 kg)	**Diaphragm:**	Buna-N
***Flow:**	2" = 1000 SCFM (472 dm³/s)	**Valve:**	Teflon
		Knob:	High Impact ABS

*Air flow is at 100 PSIG (10.4 bar) and 90 PSIG (6.9 bar) outlet.

Ordering

Dimensions, in. (mm)

PORT SIZE NPT	MODEL	GAUGE PORT NPT	EXHAUST PORT NPT	PRESSURE RANGE* PSIG	BAR
Select model representing port size and pressure range desired. **Order gauge and accessories separately.**					
2"	**R27491-100**	1/4"	3/4"	5-125	.4-8.6
2"	**R27491-200**	1/4"	3/4"	5-50	.4-5
2"	**R27491-300**	1/4"	3/4"	15-250	1.1-17

Shaded area = Best Selling Model

NOTE: All models are relieving type only.

***CAUTION:** Outlet pressure adjustment ranges are not minimum or maximum outlet pressure limits. Regulators can be adjusted to zero PSIG secondary pressure and, generally, to pressures in excess of those specified. The use of these regulators to control pressures outside of the specified ranges is not recommended.

Dimensional Data

