

# 1000 Series regulators

1/8" and 1/4" Ports

Technical data	
Diaphragm	Nitrile + acetal
Regulator body	Aluminum
Regulator valve	Brass + nitrile
Regulator springs	Steel
Gauge cover	Nylon + polycarbonate
Regulator knob	Acetal
O-rings	Nitrile
Max inlet pressure (psi)	250
Temperature range (F)	23 – 140
Spring range options (psi)	0 – 30
	0 – 60
	0 – 140
Gauge port	1/8"
Flow capacity — 1/8" port*	45 scfm
Flow capacity — 1/4" port*	59 scfm

\*Inlet pressure 100 psi (6.9 bar), 90 psi set (6.2 bar), with 33 psi drop (2.3 bar)



### How to order

To configure the desired part number, use the chart below to select the port size, thread type, and configuration options.

Port size Base model

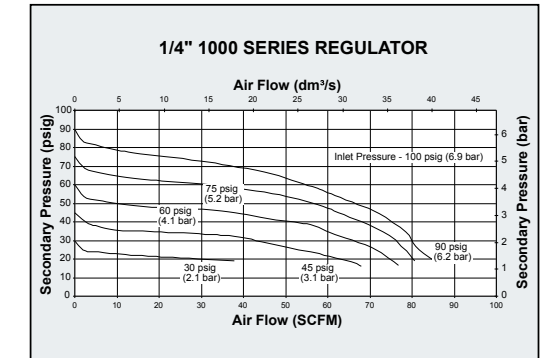
1/8" - R371 1 1 - X X X

1/4" - R371 2 1 - X X X

**Note:** Some menu combinations not available. Please consult price book to verify. Popular options are shown in red below.

<b>Thread type</b>	<b>Pressure range PSIG</b>	<b>Relieving option</b>	<b>Control option</b>
1 1/8" NPT	1 0 – 140 (no gauge)	0 Relieving	0 Standard knob
2 1/4" NPT	2 0 – 60 (no gauge)	2 Non-relieving	
A 1/8" BSP	4 0 – 30 (no gauge)		
B 1/4" BSP	6 0 – 140 w/ flush-mount gauge		

### 1/4" Pressure drop test



See page 77 for additional flow charts

### Popular configurations

Port size NPT	Pressure range psi	Gauge	Model
<b>RELIEVING • STANDARD KNOB CONTROL</b>			
1/8"	0 – 30	No gauge	R37111-400
1/8"	0 – 60	No gauge	R37111-200
1/8"	0 – 140	No gauge	R37111-100
1/8"	0 – 140	Flush-mount gauge	R37111-600
1/4"	0 – 30	No gauge	R37121-400
1/4"	0 – 60	No gauge	R37121-200
1/4"	0 – 140	No gauge	R37121-100
1/4"	0 – 140	Flush-mount gauge	R37121-600
<b>NON-RELIEVING • STANDARD KNOB CONTROL</b>			
1/8"	0 – 30	No gauge	R37111-420
1/8"	0 – 60	No gauge	R37111-220
1/8"	0 – 140	No gauge	R37111-120
1/8"	0 – 140	Flush-mount gauge	R37111-620
1/4"	0 – 30	No gauge	R37121-420
1/4"	0 – 60	No gauge	R37121-220
1/4"	0 – 140	No gauge	R37121-120
1/4"	0 – 140	Flush-mount gauge	R37121-620

### Replacement parts

MODEL	DESCRIPTION
104302	Regulator service kit (relieving)
104303	Regulator service kit (non-relieving)
104304	Tamper kit
104305	0 – 30 psi Spring
104306	0 – 60 psi Spring
104307	0 – 140 psi Spring
104310	0 – 140 psi Gauge flush mount

### Accessories

See page 65 for details

MODEL	DESCRIPTION
104390-1	1/8" NPT lockout valve
104390-2	1/4" NPT lockout valve
104394	Modular clamp
104474-1	1/8" NPT pipe adapter
104474-2	1/4" NPT pipe adapter
104477-1	1/8" Check valve
104477-2	1/4" Check valve
104399	T-type wall mount
104403	L-type wall mount
104407	C-type wall mount
104411-1-1	1/8" x 1/8" Manifold block
104411-2-2	1/4" x 1/4" Manifold block
104416	Panel nut
104467	Gauge port block

