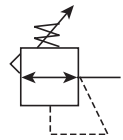


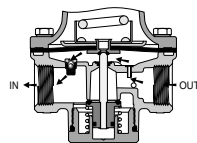
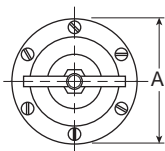
Regulator R120



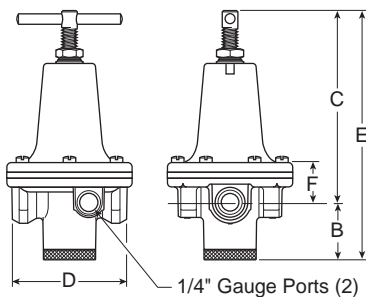
R120-02-000

Features

- High flow performance featuring rugged design for the most demanding applications
- Ideal for those installations calling for constant pressure with wide variation in flow
- Diaphragm operated design with balanced poppet design for quick and accurate regulation
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation
- Heavy duty tee handle adjustment
- Reverse flow version available



Reverse Flow Option



Specifications

Flow Capacity [§]	1/4	100 SCFM (47.2 dm ³ /s)
	3/8	110 SCFM (51.9 dm ³ /s)
	1/2	150 SCFM (70.8 dm ³ /s)
Gauge Port (2 ea.)	NPT / BSPP-G	1/4
Reduced Pressure Range	2 to 125 PSIG (0.15 to 8.5 bar)	
Maximum Supply Pressure	300 PSIG (20.7 bar)	
Operating Temperature	40° to 125°F (4.4° to 52°C)	
Port Size	NPT / BSPP-G	1/4, 3/8, 1/2
Weight		
R120-02, R120-03	1.8 lb. (0.82 kg) / Unit	
	26 lb. (11.79) / 12-Unit Master Pack	
R120-04	3.2 lb. (1.45 kg) / Unit	
	27 lb. (12.25) / 8-Unit Master Pack	

[§] SCFM = Standard cubic feet per minute at 100 PSIG inlet, 75 PSIG no flow secondary setting, and 20 PSIG pressure drop.

Materials of Construction

Adjustment Screw, Spring	Steel
Body, spring Cage	Zinc
Bottom Plug	Brass
Innervalve	Brass
Seals	Buna N

WARNING

**Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed maximum primary pressure rating.**

CAUTION:

REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

Dimensions

Model	Inches (mm)	A	B	C	D	E	F
Standard Unit, 1/4 & 3/8 Port R120-XX-000		3.00 (76)	1.38 (35)	4.60 (117)	2.74 (70.5)	5.98 (152)	0.96 (24)
Standard Unit, 1/2 Port R120-X4-000		3.56 (90)	1.56 (40)	5.20 (132)	3.25 (83)	6.76 (172)	1.27 (32)

R120 Kits and Accessories

Gauges –

- 2" Dial Size, 1/4" Back Connection
0 to 60 PSIG (0 to 400 kPa)..... K4520N14060
- 2" Dial Size, 1/4" Back Connection
0 to 160 PSIG (0 to 1100 kPa) K4520N14160
- 2" Dial Size, 1/4" Back Connection
0 to 300 PSIG (0 to 2068 kPa) K4520N14300

Mounting Bracket Kit –

- 1/4", 3/8"..... WSA15Y57
- 1/2" W18A57

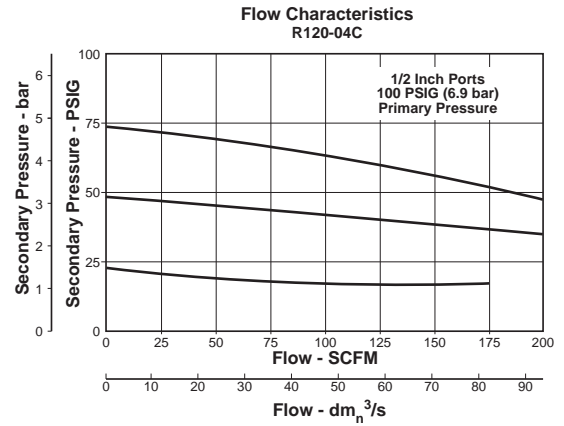
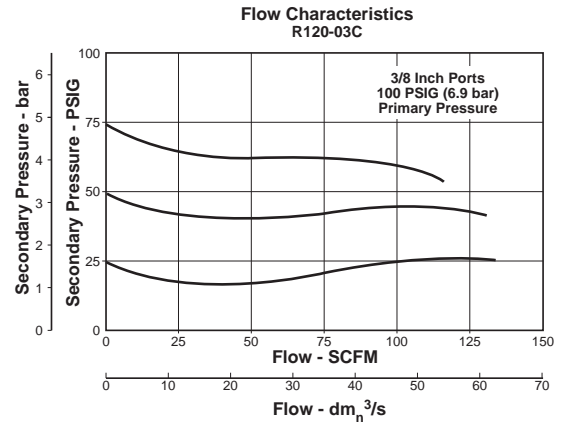
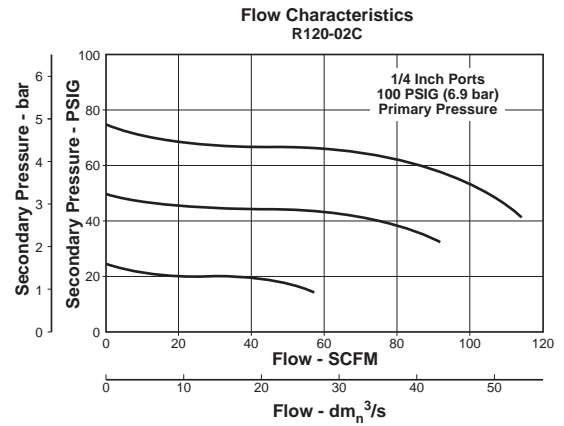
Panel Mount Conversion Kit –

- 1/4", 3/8" W4202
- 1/2" W4204

Repair Kits –

- Non-Relieving Diaphragm,
Valve Assembly (1/4", 3/8"; All PSIG) WRK118Y
- Relieving Diaphragm,
Valve Assembly (1/4", 3/8"; All PSIG) WRK119Y
- Non-Relieving Diaphragm,
Valve Assembly (1/2"; 25, 60, 125 PSIG)..... WRK118A
- Non-Relieving Diaphragm,
Valve Assembly (1/2"; 250 PSIG) WRK118A250
- Relieving Diaphragm,
Valve Assembly (1/2"; 25, 60, 125 PSIG)..... WRK119A
- Relieving Diaphragm,
Valve Assembly (1/2"; 250 PSIG) WRK119A250

For Fluorocarbon Repair Kits, add X64 to Kit Number suffix.

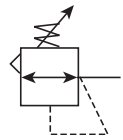


Ordering Information

R120 - 0	2 - 0	0	0																
<table border="1" style="margin: auto;"> <tr><th>Series</th></tr> <tr><td>Regular R120</td></tr> </table>	Series	Regular R120	<table border="1" style="margin: auto;"> <tr><th>Thread type</th></tr> <tr><td>NPT 0</td></tr> <tr><td>BSPP C</td></tr> </table>	Thread type	NPT 0	BSPP C	<table border="1" style="margin: auto;"> <tr><th>Port size</th></tr> <tr><td>2 1/4</td></tr> <tr><td>3 3/8</td></tr> <tr><td>4 1/2</td></tr> </table>	Port size	2 1/4	3 3/8	4 1/2	<table border="1" style="margin: auto;"> <tr><th>Options †</th></tr> <tr><td>G Pressure Gauge</td></tr> <tr><td>H High Pressure Spring (250 PSI)</td></tr> <tr><td>L Low Pressure Spring (60 PSI)</td></tr> <tr><td>N* Non-Relieving</td></tr> <tr><td>V All Fluorocarbon</td></tr> <tr><td>X Reverse Flow</td></tr> </table>	Options †	G Pressure Gauge	H High Pressure Spring (250 PSI)	L Low Pressure Spring (60 PSI)	N* Non-Relieving	V All Fluorocarbon	X Reverse Flow
Series																			
Regular R120																			
Thread type																			
NPT 0																			
BSPP C																			
Port size																			
2 1/4																			
3 3/8																			
4 1/2																			
Options †																			
G Pressure Gauge																			
H High Pressure Spring (250 PSI)																			
L Low Pressure Spring (60 PSI)																			
N* Non-Relieving																			
V All Fluorocarbon																			
X Reverse Flow																			

Standard pressure spring is 0 to 125 PSIG
 * Note: Non-relieving option not available with 250 PSI spring
 † For additional options, add to end of model number.
 Must be in alphabetical order and up to a total of 5 options.

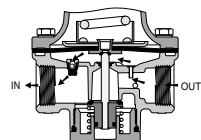
Regulator R120



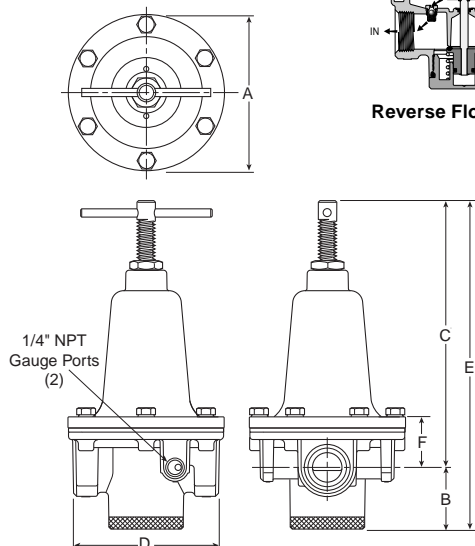
R120-06-000

Features

- High flow performance featuring rugged design for the most demanding applications
- Ideal for those installations calling for constant pressure with wide variation in flow
- Diaphragm operated design with balanced poppet design for quick and accurate regulation
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation
- Heavy duty tee handle adjustment
- Reverse flow version available



Reverse Flow Option



Specifications

Flow Capacity [§]	3/4	300 SCFM (141.6 dm ³ /s)
	1	400 SCFM (188.8 dm ³ /s)
Gauge Port (2 ea.)	NPT / BSPP-G	1/4
Reduced Pressure Range	2 to 125 PSIG (0.15 to 8.5 bar)	
Maximum Supply Pressure	300 PSIG (20.7 bar)	
Operating Temperature	40° to 125°F (4.4° to 52°C)	
Port Size	NPT / BSPP-G	3/4, 1
Weight	R120-06, R120-08	
	6.2 lb. (2.81 kg) / Unit	
	25 lb. (11.34) / 4-Unit Master Pack	

§ SCFM = Standard cubic feet per minute at 100 PSIG inlet, 75 PSIG no flow secondary setting, and 20 PSIG pressure drop.

Materials of Construction

Adjustment Screw, Spring	Steel
Body, Spring Cage	Zinc
Bottom Plug	Brass
Innervalve	Brass
Seals	Buna N

WARNING

**Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed maximum primary pressure rating.**

CAUTION:

REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

Dimensions

Model	Inches (mm)	A	B	C	D	E	F
Standard Unit, 3/4" & 1" Port R120-XX-000		4.69 (119)	1.87 (47)	8.15 (207)	4.38 (111)	10.02 (255)	1.61 (41)

R120 Kits and Accessories

Gauges –

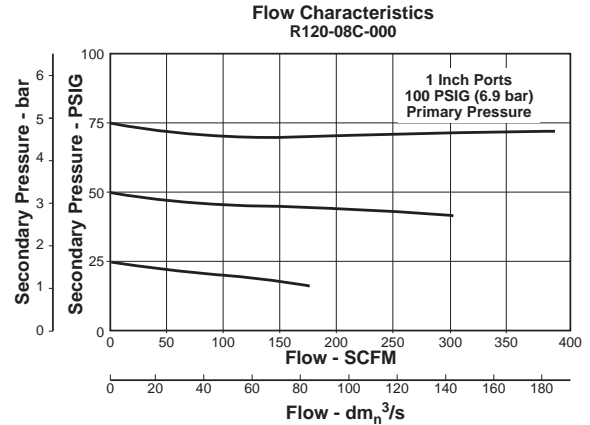
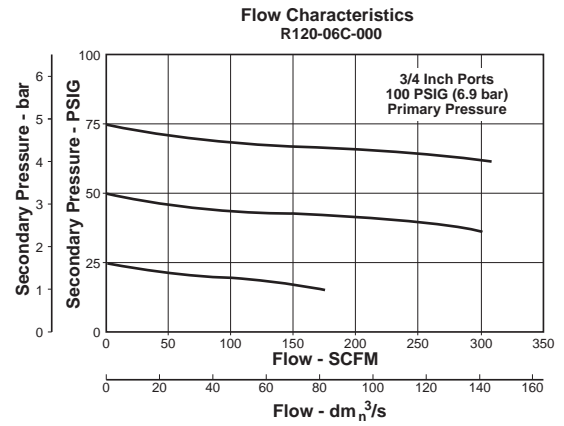
- 2" Dial Size, 1/4" Back Connection
0 to 60 PSIG (0 to 400 kPa)..... K4520N14060
- 2" Dial Size, 1/4" Back Connection
0 to 160 PSIG (0 to 1100 kPa) K4520N14160
- 2" Dial Size, 1/4" Back Connection
0 to 300 PSIG (0 to 2068 kPa) K4520N14300

Mounting Bracket KitW18B57

Repair Kits –

- Non-Relieving Diaphragm,
Valve Assembly (3/4", 1") WRK118B
- Relieving Diaphragm,
Valve Assembly (1/4", 3/8"; All PSIG) WRK119B

For Fluorocarbon Repair Kits, add X64 to Kit Number suffix.



B
Filters, Regulators, Lubricators

Ordering Information

R120 - 0	6 - 0	0	0																												
<table border="1" style="margin: auto;"> <tr><th colspan="2">Series</th></tr> <tr><td>Regular</td><td>R120</td></tr> </table>	Series		Regular	R120	<table border="1" style="margin: auto;"> <tr><th colspan="2">Thread type</th></tr> <tr><td>NPT</td><td>0</td></tr> <tr><td>BSPP</td><td>C</td></tr> </table>	Thread type		NPT	0	BSPP	C	<table border="1" style="margin: auto;"> <tr><th colspan="2">Port size</th></tr> <tr><td>6</td><td>3/4</td></tr> <tr><td>8</td><td>1</td></tr> </table>	Port size		6	3/4	8	1	<table border="1" style="margin: auto;"> <tr><th colspan="2">Options †</th></tr> <tr><td>G</td><td>Pressure Gauge</td></tr> <tr><td>H</td><td>High Pressure Spring (250 PSI)</td></tr> <tr><td>N</td><td>Non-Relieving</td></tr> <tr><td>V</td><td>All Fluorocarbon</td></tr> <tr><td>X</td><td>Reverse Flow</td></tr> </table>	Options †		G	Pressure Gauge	H	High Pressure Spring (250 PSI)	N	Non-Relieving	V	All Fluorocarbon	X	Reverse Flow
Series																															
Regular	R120																														
Thread type																															
NPT	0																														
BSPP	C																														
Port size																															
6	3/4																														
8	1																														
Options †																															
G	Pressure Gauge																														
H	High Pressure Spring (250 PSI)																														
N	Non-Relieving																														
V	All Fluorocarbon																														
X	Reverse Flow																														

Standard pressure spring is 0 to 125 PSIG.
 † For additional options, add to end of model number. Must be in alphabetical order and up to a total of 5 options.