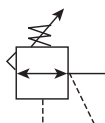


51R Regulators – Relieving

- Pressure reference indicating dial face
- Non-rising, pressure-adjustment dial
- Self-relieving
- Full pressure adjustment in less than one full turn
- Recommended for pilot-air applications
- Constant bleed, piston operated
- 1/4" port (NPT, BSPP)



Port size	Description	Part number
1/4"	Standard pressure 5 to 160 psig (0.34 to 11 bar)	51R126RA
1/4"	Low pressure 2 to 40 psig (0.14 to 3 bar)	51R125RA

Operating information

Adjusting pressure range:	2 to 40 psig (0 to 2.8 bar) 5 to 160 psig (0 to 11.0 bar)
Bleed Rate:	0.05 scfm (0.02 dm³/s, ANR)
Operating temperature (max):	32°F to 150°F (0°C to 65.6°C)
Supply pressure (max):	300 psig (20.7)
Flow capacity†:	0.7 scfm (0.3 dm³/s, ANR)
Weight:	1.3 lb (0.5 kg)

† scfm = Inlet pressure 100 psig (6.9 bar) inlet. Secondary pressure 90 psig (6.2 bar).

Ordering information:

51R	1	26	R	A	
Port Size	1				Thread Type
1/4 inch					Blank NPT
					1 BSPP
	Springs			Engineering Level	
	2 to 40 psig 25			A Current	
	5 to 160 psig 26				
			Relief		
			R Relieving		

Most popular.



For inventory, lead times, and kit lookup, visit www.pdnplu.com

K42

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

Semi-Precision Regulators

Material Specifications

Body	Zinc
Bonnet	Zinc / brass
Piston	Acetal
Seals	Nitrile
Springs	Steel
Valve assembly	Brass / nitrile / acetal

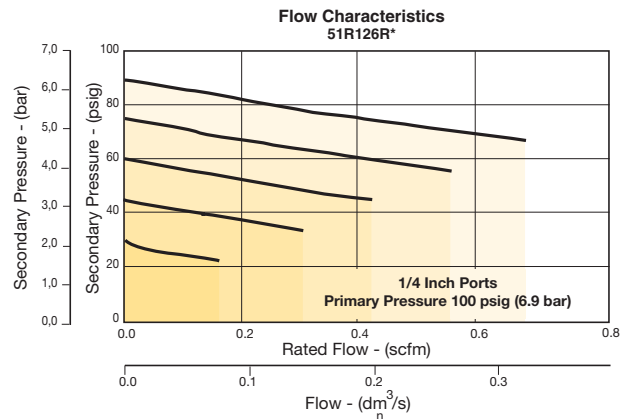
Repair and Service Kits

Adjustment dial knob	RRP-16-024
O-ring, repair kit	GRP-95-260
Piston and bonnet repair kit	RRP-95-765
Spring, regulation, belleville washer, 2 to 40 psig (2.8 bar)	RRP-95-906
Spring, regulation, belleville washer, 5 to 160 psig (11.0 bar)	RRP-95-905
Tamper resistant kit	RRP-95-585
Valve, pilot with o-ring and valve spring	RRP-96-934

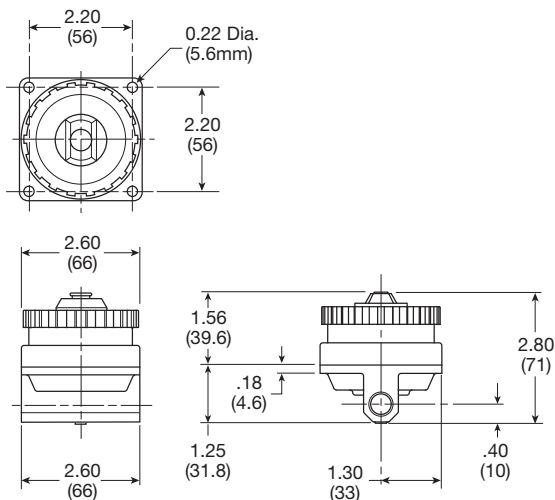
Air Preparation Products
Regulator Products

Flow Charts

51R 1/4" Regulator

**WARNING**

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



Inches (mm)



For inventory, lead time, and kit lookup, visit www.pdnplu.com

K43

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

General

Dial

Pilot

Proportional

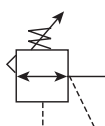
Precision

Water

KRegulator
Products

52R Regulators – Relieving

- Balanced poppet design
- Non-rising, pressure-adjusting dial
- High-relief flow (3/16" relief orifice)
- Two 1/4" gauge ports
- Constant bleed, piston operated
- 1/4", 3/8", 1/2", 3/4" ports (NPT, BSPP)



Port size	Description	Part number
1/4"	Standard pressure 5 to 160 psig (0.34 to 11 bar)	52R126RA
1/4"	Low pressure 2 to 40 psig (0.14 to 3 bar)	52R125RA
3/8"	Standard pressure 5 to 160 psig (0.34 to 11 bar)	52R226RA
3/8"	Low pressure 2 to 40 psig (0.14 to 3 bar)	52R225RA
1/2"	Standard pressure 5 to 160 psig (0.34 to 11 bar)	52R326RA
1/2"	Low pressure 2 to 40 psig (0.14 to 3 bar)	52R325RA
3/4"	Standard pressure 5 to 160 psig (0.34 to 11 bar)	52R426RA
3/4"	Low pressure 2 to 40 psig (0.14 to 3 bar)	52R425RA

Operating information

Adjusting pressure range:	2 to 40 psig (0 to 2.8 bar) 5 to 160 psig (0 to 11.0 bar)
Bleed Rate:	0.05 scfm (0.02 dm³/s, ANR)
Operating temperature (max):	32°F to 150°F (0°C to 65.6°C)
Supply pressure (max):	300 psig (20.7)
Flow capacity†:	1/4" 117 scfm (55.2 dm³/s, ANR) 3/8" 180 scfm (85 dm³/s, ANR) 1/2" 195 scfm (92 dm³/s, ANR) 3/4" 220 scfm (103.8 dm³/s, ANR)
Gauge ports:	Two ports 1/4" (can be used as additional high flow 1/4 inch outlet ports)
Weight:	2.3 lb (1.04 kg)

† scfm = Inlet pressure 100 psig (6.9 bar) inlet. Secondary pressure 90 psig (6.2 bar).

Ordering information:

52R	1	26	R	A																							
<table><tr><th colspan="2">Port Size</th></tr><tr><td>1/4 inch</td><td>1</td></tr><tr><td>3/8 inch</td><td>2</td></tr><tr><td>1/2 inch</td><td>3</td></tr><tr><td>3/4 inch</td><td>4</td></tr></table>		Port Size		1/4 inch	1	3/8 inch	2	1/2 inch	3	3/4 inch	4	<table><tr><th colspan="2">Springs</th></tr><tr><td>2 to 40 psig</td><td>25</td></tr><tr><td>5 to 160 psig</td><td>26</td></tr></table>		Springs		2 to 40 psig	25	5 to 160 psig	26	<table><tr><th colspan="2">Thread Type</th></tr><tr><td>Blank</td><td>NPT</td></tr><tr><td>1</td><td>BSPP</td></tr></table>		Thread Type		Blank	NPT	1	BSPP
Port Size																											
1/4 inch	1																										
3/8 inch	2																										
1/2 inch	3																										
3/4 inch	4																										
Springs																											
2 to 40 psig	25																										
5 to 160 psig	26																										
Thread Type																											
Blank	NPT																										
1	BSPP																										
		<table><tr><th colspan="2">Engineering Level</th></tr><tr><td>A</td><td>Current</td></tr></table>		Engineering Level		A	Current	<table><tr><th colspan="2">Relief</th></tr><tr><td>R</td><td>Relieving</td></tr></table>		Relief		R	Relieving														
Engineering Level																											
A	Current																										
Relief																											
R	Relieving																										

Most popular.



For inventory, lead times, and kit lookup, visit www.pdnplu.com

K44

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

Semi-Precision Regulators

Material specifications

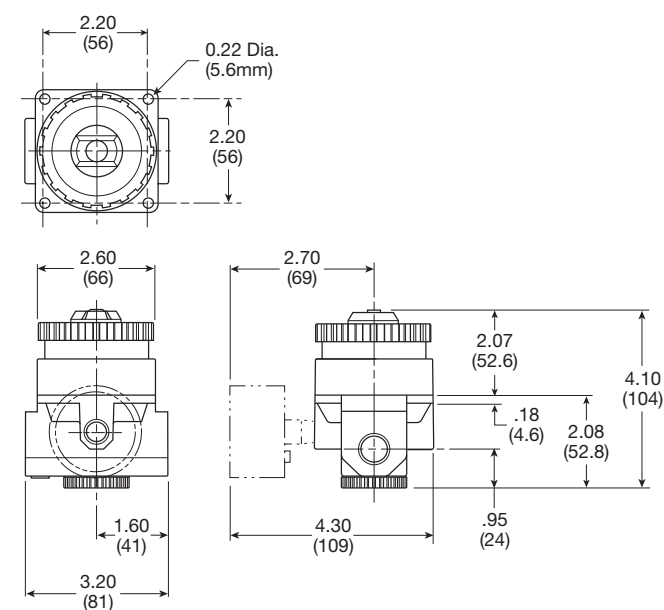
Body	Zinc
Bonnet	Zinc / brass
Piston	Acetal
Seals	Nitrile
Springs	Steel
Valve assembly	Brass / nitrile / acetal

Repair and Service Kits

Adjustment dial knob	RRP-16-024
O-ring, repair kit	GRP-95-260
Piston bottom and o-ring seal	RRP-95-192
Pistons and bonnet repair kit	RRP-95-766
Spring, regulation, belleville washer – 2 to 40 psig range	RRP-95-906
Spring, regulation, belleville washer – 5 to 160 psig range	RRP-95-905
Tamper resistant kit	RRP-95-585
Valve, main with U-cup seal & bottom plug	RRP-95-914
Valve, main with U-cup seal	RRP-95-151
Valve, pilot with o-ring and valve spring	RRP-96-934

**WARNING**

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

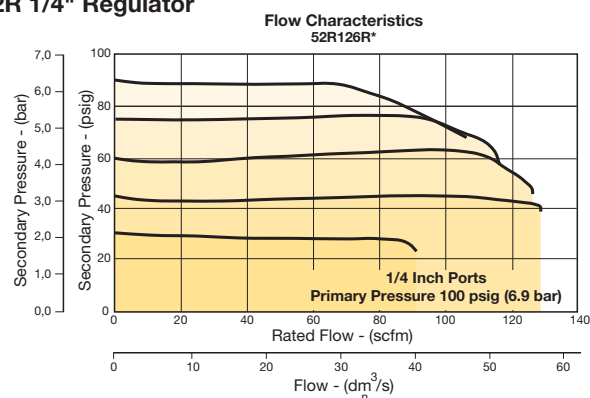


Inches (mm)

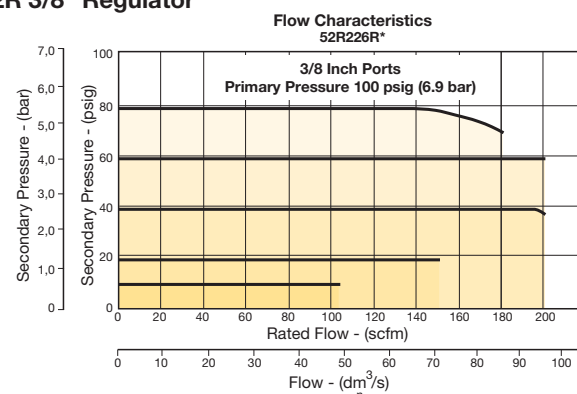
Air Preparation Products
Regulator Products

Flow Charts

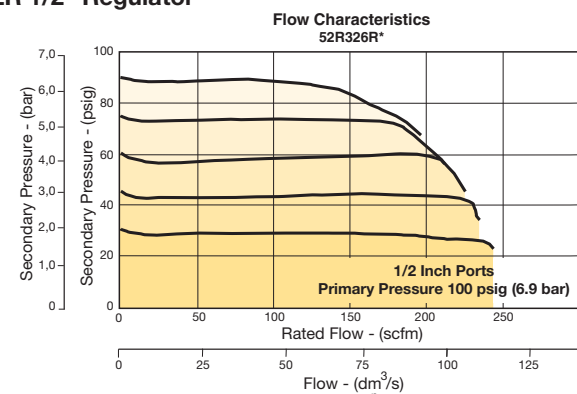
52R 1/4" Regulator



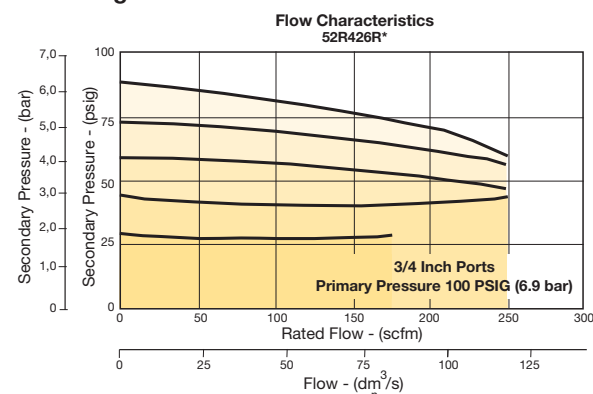
52R 3/8" Regulator



52R 1/2" Regulator



52R 3/4" Regulator



General

Dial

Pilot

Proportional

Precision

Water

K

Regulator
Products

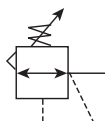
For inventory, lead time, and kit
lookup, visit www.pdnplu.com

K45

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

53R Regulators – Relieving

- Balanced poppet design
- Non-rising, pressure-adjusting dial
- High-relief flow (3/16" relief orifice)
- Two 1/4" gauge ports
- Constant bleed, piston operated
- 3/4", 1", 1-1/4" ports (NPT, BSPP)



Port size	Description	Part number
3/4"	Standard pressure 5 to 160 psig (0.34 to 11 bar)	53R426RA
3/4"	Low pressure 2 to 40 psig (0.14 to 3 bar)	53R425RA
1"	Standard pressure 5 to 160 psig (0.34 to 11 bar)	53R526RA
1"	Low pressure 2 to 40 psig (0.14 to 3 bar)	53R525RA
1-1/4"	Standard pressure 5 to 160 psig (0.34 to 11 bar)	53R626RA
1-1/4"	Low pressure 2 to 40 psig (0.14 to 3 bar)	53R625RA

Operating information

Adjusting pressure range:	2 to 40 psig (0 to 2.8 bar) 5 to 160 psig (0 to 11.0 bar)
Bleed Rate:	0.05 scfm (0.02 dm³/s, ANR)
Operating temperature (max):	32°F to 150°F (0°C to 65.6°C)
Supply pressure (max):	300 psig (20.7)
Flow capacity†:	3/4" 400 scfm (188.8 dm³/s, ANR) 1" 650 scfm (306.8 dm³/s, ANR) 1-1/4" 700 scfm (330.4 dm³/s, ANR)
Gauge ports:	Two ports 1/4" (can be used as additional high flow 1/4 inch outlet ports)
Weight:	2.3 lb (1.04 kg)

† scfm = Inlet pressure 100 psig (6.9 bar) inlet. Secondary pressure 80 psig (5.5 bar).

Ordering information:

53R	4	26	R	A	
Port Size					Thread Type
3/4 inch	4				Blank NPT
1 inch	5				1 BSPP
1-1/4 inch	6				
	Springs			Engineering Level	
	2 to 40 psig	25		A	Current
	5 to 160 psig	26			
			Relief		
			R	Relieving	

Most popular.



For inventory, lead times, and kit lookup, visit www.pdnplu.com

K46

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

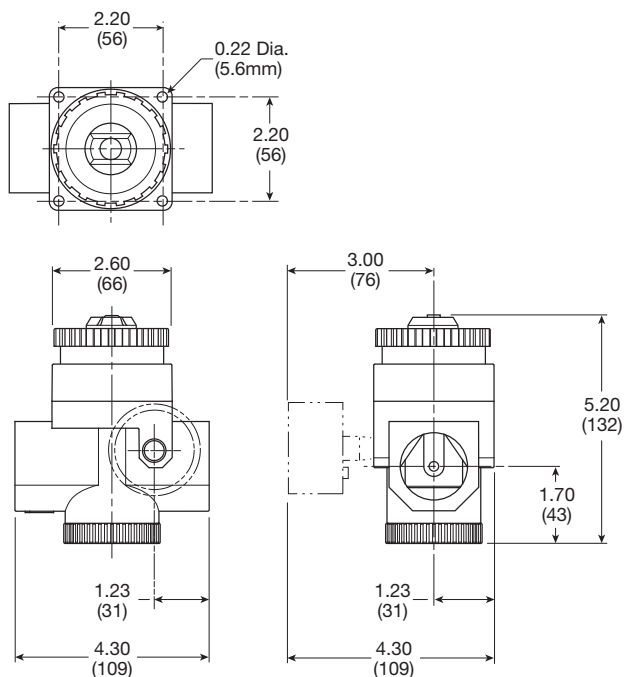
Semi-Precision Regulators

Material Specifications

Body	Zinc
Bonnet	Zinc / brass
Piston	Acetal
Seals	Nitrile
Springs	Steel
Valve assembly	Brass / nitrile / acetal

Repair and Service Kits

Adjustment dial knob	RRP-16-024
O-ring, repair kit	GRP-95-261
Piston, bottom and o-ring seal	RRP-95-192
Pistons and bonnet repair kit	RRP-95-766
Spring, regulation, belleville washer – 2 to 40 psig range	RRP-95-906
Spring, regulation, belleville washer – 5 to 160 psig range	RRP-95-905
Tamper resistant kit	RRP-95-585
Valve, main with o-ring seal	RRP-95-152
Valve, pilot with o-ring and valve spring	RRP-96-935

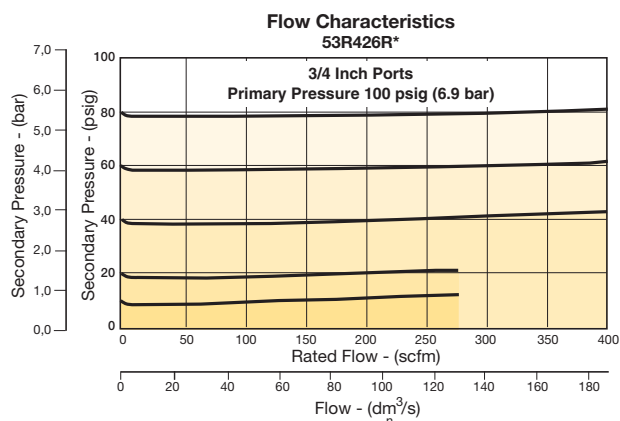


Inches (mm)

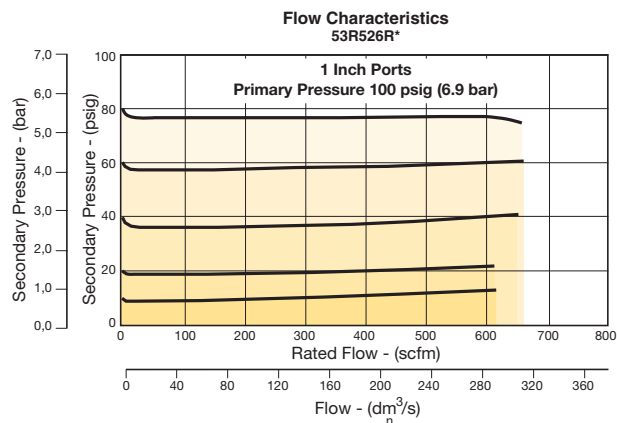
Air Preparation Products
Regulator Products

Flow Charts

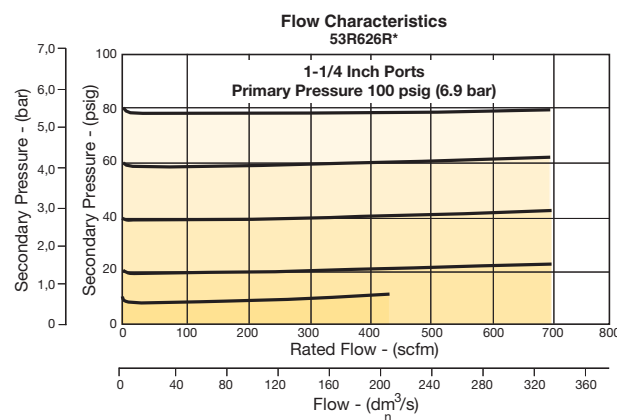
53R 3/4" Regulator



53R 1" Regulator



53R 31-14" Regulator

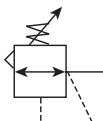


⚠ WARNING

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

54R Regulators – Relieving

- Balanced poppet design
- Non-rising, pressure-adjusting dial
- High-relief flow (3/16" relief orifice)
- Two 1/4" gauge ports
- Constant bleed, piston operated
- 1-1/2", 2" ports (NPT, BSPP)



Port size	Description	Part number
1-1/2"	Standard pressure 5 to 160 psig (0.34 to 11 bar)	54R726RA
1-1/2"	Low pressure 2 to 40 psig (0.14 to 3 bar)	54R725RA
2"	Standard pressure 5 to 160 psig (0.34 to 11 bar)	54R826RA
2"	Low pressure 2 to 40 psig (0.14 to 3 bar)	54R825RA

Operating information

Adjusting pressure range:	2 to 40 psig (0 to 2.8 bar) 5 to 160 psig (0 to 11.0 bar)
Bleed Rate:	0.05 scfm (0.02 dm³/s, ANR)
Operating temperature (max):	32°F to 150°F (0°C to 65.6°C)
Supply pressure (max):	300 psig (20.7)
Flow capacity†:	1-1/2" 1,600 scfm (755 dm³/s, ANR) 2" 1,600 scfm (755 dm³/s, ANR)
Gauge ports:	Two ports 1/4" (can be used as additional high flow 1/4 inch outlet ports)
Weight:	9 lb (4.1 kg)
† scfm = Inlet pressure 100 psig (6.9 bar) inlet. Secondary pressure 80 psig (5.5 bar).	

Ordering information:

54R	7	26	R	A																							
<table><tr><td colspan="2">Port Size</td></tr><tr><td>1-1/2 inch</td><td>7</td></tr><tr><td>2 inch</td><td>8</td></tr></table>		Port Size		1-1/2 inch	7	2 inch	8	<table><tr><td colspan="2">Springs</td></tr><tr><td>2 to 40 psig</td><td>25</td></tr><tr><td>5 to 160 psig</td><td>26</td></tr></table>	Springs		2 to 40 psig	25	5 to 160 psig	26	<table><tr><td colspan="2">Engineering Level</td></tr><tr><td>A</td><td>Current</td></tr></table>	Engineering Level		A	Current	<table><tr><td colspan="2">Thread Type</td></tr><tr><td>Blank</td><td>NPT</td></tr><tr><td>1</td><td>BSPP</td></tr></table>		Thread Type		Blank	NPT	1	BSPP
Port Size																											
1-1/2 inch	7																										
2 inch	8																										
Springs																											
2 to 40 psig	25																										
5 to 160 psig	26																										
Engineering Level																											
A	Current																										
Thread Type																											
Blank	NPT																										
1	BSPP																										
			<table><tr><td colspan="2">Relief</td></tr><tr><td>R</td><td>Relieving</td></tr></table>		Relief		R	Relieving																			
Relief																											
R	Relieving																										

Most popular.



For inventory, lead times, and kit lookup, visit www.pdnplu.com

K48

Parker Hannifin Corporation
 Pneumatic Division
 Richland, Michigan
www.parker.com/pneumatics

Semi-Precision Regulators

Material Specifications

Body	Zinc
Bonnet	Zinc / brass
Piston	Zinc
Seals	Nitrile
Springs	Steel
Valve assembly	Brass / nitrile / acetal

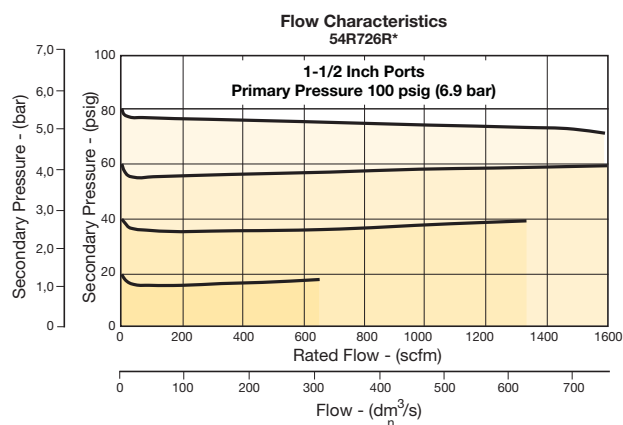
Repair and Service Kits

Adjustment dial knob	RRP-16-024
O-ring, repair kit	GRP-95-262
Piston, bottom and o-ring seal	RRP-95-192
Pistons and bonnet repair kit	RRP-95-766
Spring, regulation, belleville washer – 2 to 40 psig range	RRP-95-906
Spring, regulation, belleville washer – 5 to 160 psig range	RRP-95-905
Spring, main valve	RRP-95-024
Tamper resistant kit	RRP-95-585
Valve, main with o-ring seal	RRP-95-153
Valve, pilot with o-ring and valve spring	RRP-96-935

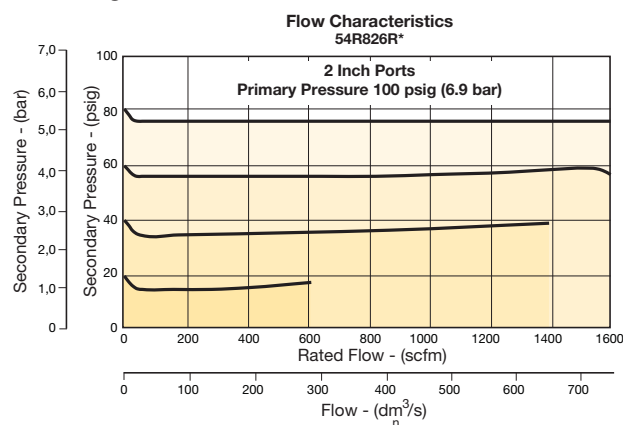
Air Preparation Products
Regulator Products

Flow Charts

54R 1-1/2" Regulator



54R 2" Regulator

**WARNING**

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

General

Dial

Pilot

Proportional

Precision

Water

K

Regulator
Products