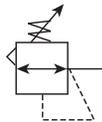


51R Regulators – Relieving

- 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)



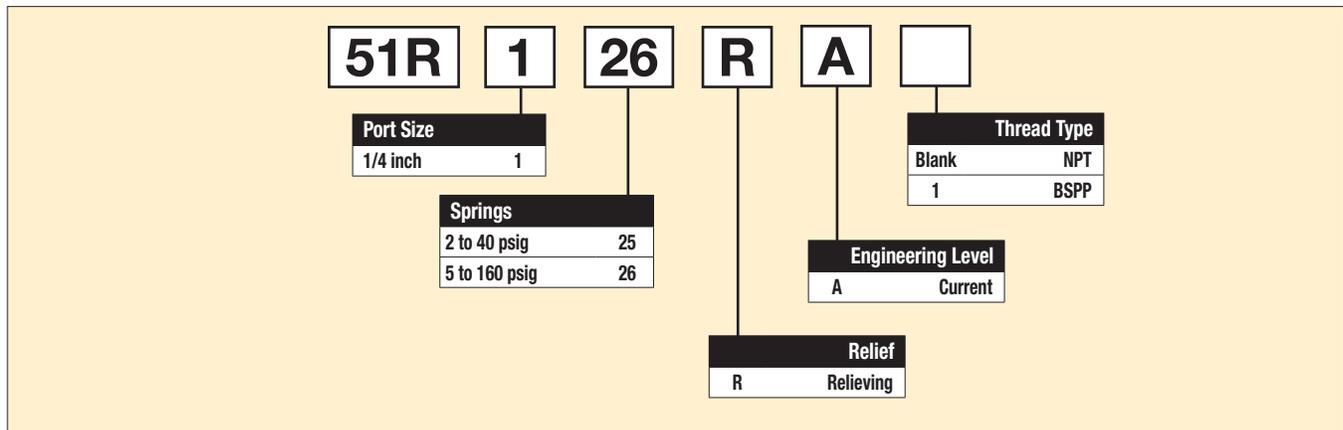
Port size	Description	Part number
1/4"	Standard pressure 5 to 160 psig (0.34 to 11 bar)	51R126RA
1/4"	Low pressure 2 to 40 psig (0.14 to 3 bar)	51R125RA

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 dm ³ /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 dm ³ /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:



Most popular.



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

Semi-Precision Regulators

Material Specifications

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

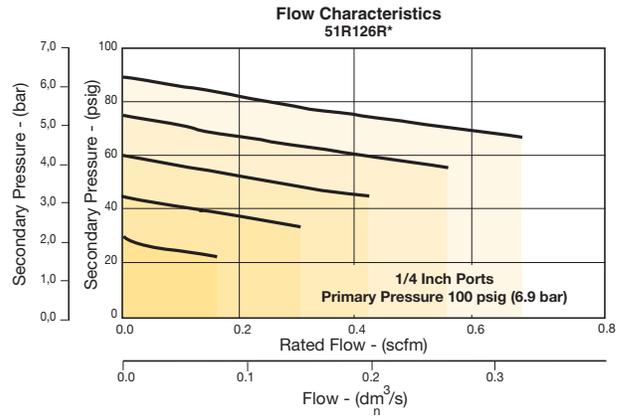
Repair and Service Kits

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

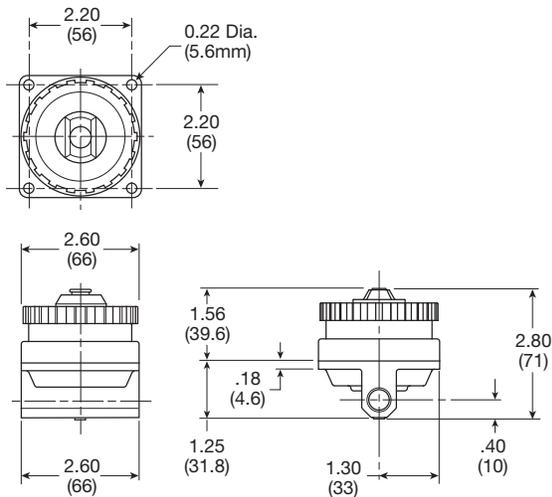
Flow Charts

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)

General

Dial

Pilot

Proportional

Precision

Water

K

Regulator Products



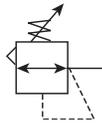
For inventory, lead time, and kit lookup, visit www.pdnplu.com

K43

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

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 dm ³ /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 dm ³ /s, ANR) 3/8" 180 scfm (85 dm ³ /s, ANR) 1/2" 195 scfm (92 dm ³ /s, ANR) 3/4" 220 scfm (103.8 dm ³ /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

Port Size	Value
1/4 inch	1
3/8 inch	2
1/2 inch	3
3/4 inch	4

Thread Type	Value
Blank	NPT
1	BSPP

Springs	Value
2 to 40 psig	25
5 to 160 psig	26

Engineering Level	Value
A	Current

Relief	Value
R	Relieving

Most popular.



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

Material specifications

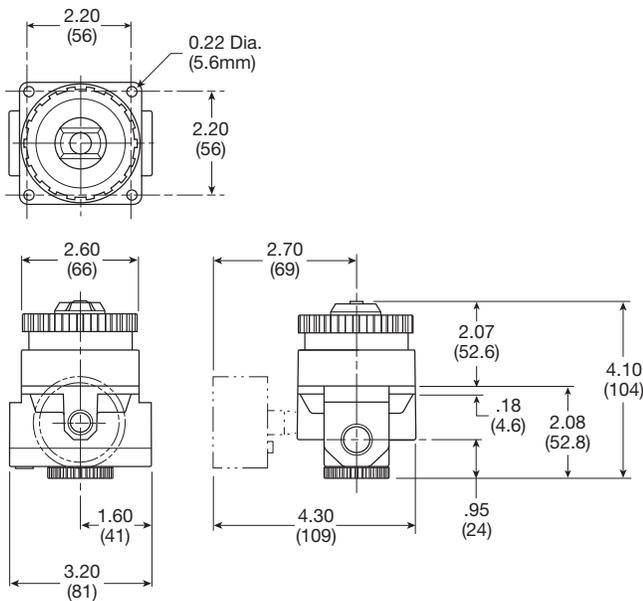
Body	Zinc
Bonnet	Zinc / brass
Piston	Acetal
Seals	Nitrile
Springs	Steel
Valve assembly	Brass / nitrile / acetal

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

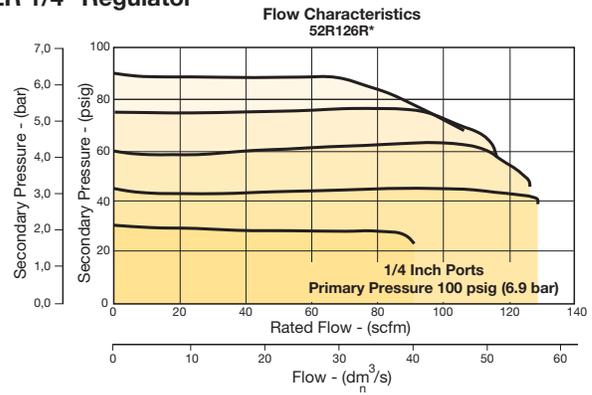
Product rupture can cause serious injury. Do not connect regulator to bottled gas. Do not exceed Maximum primary pressure rating.



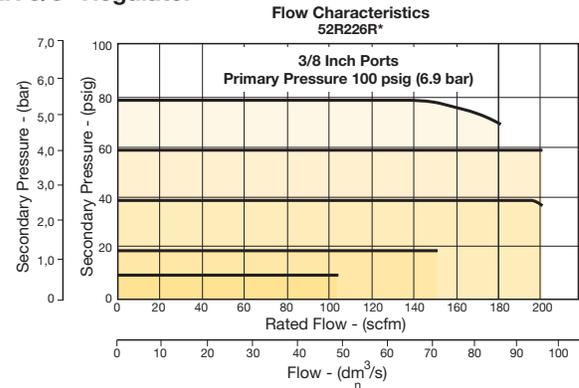
Inches (mm)

Flow Charts

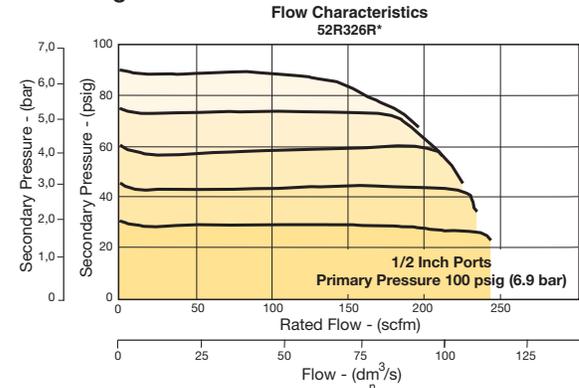
52R 1/4" Regulator



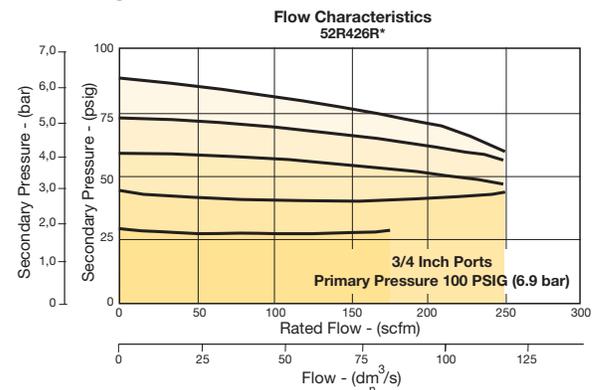
52R 3/8" Regulator



52R 1/2" Regulator



52R 3/4" Regulator



General

Dial

Pilot

Proportional

Precision

Water

K

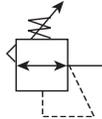
Regulator Products



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

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 dm ³ /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 dm ³ /s, ANR) 1" 650 scfm (306.8 dm ³ /s, ANR) 1-1/4" 700 scfm (330.4 dm ³ /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	Blank
Port Size	Springs	Engineering Level	Relief	Thread Type	
3/4 inch 4	2 to 40 psig 25	A Current	R Relieving	Blank NPT	
1 inch 5	5 to 160 psig 26			1 BSPP	
1-1/4 inch 6					

Most popular.



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

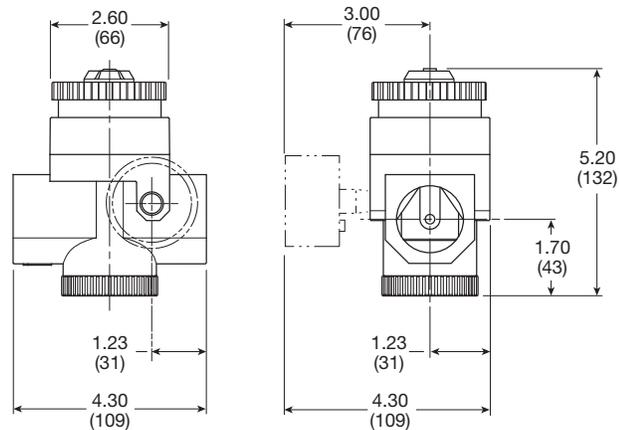
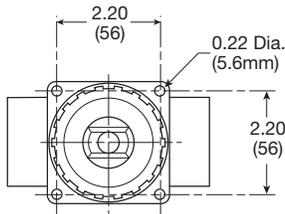
Semi-Precision Regulators

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

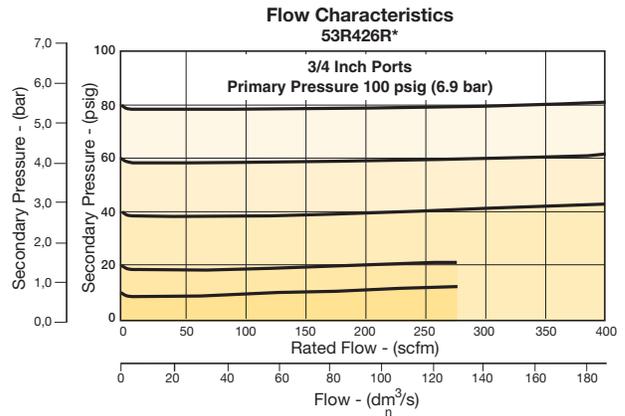


Inches (mm)

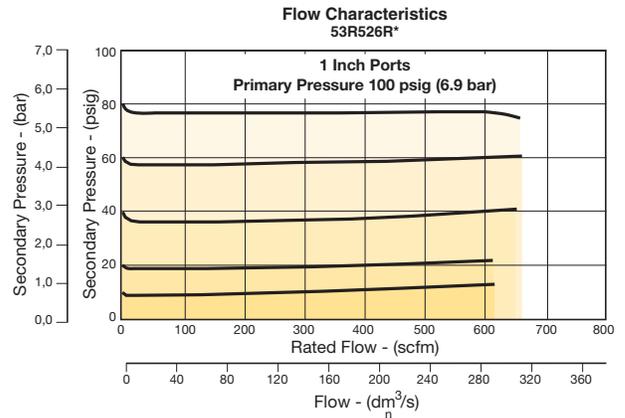
Air Preparation Products Regulator Products

Flow Charts

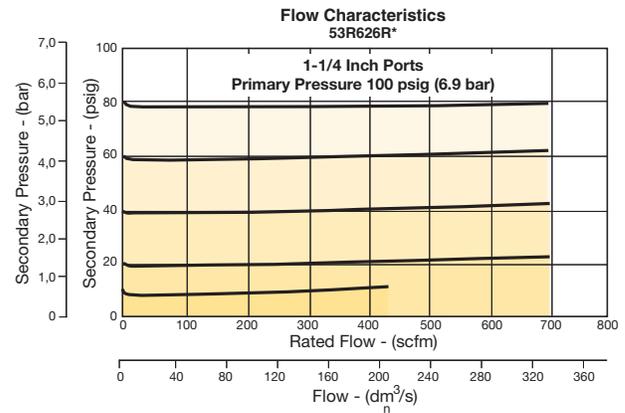
53R 3/4" Regulator



53R 1" Regulator



53R 3/4-1 1/4" 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

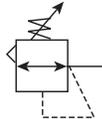
Water

K

Regulator
Products

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 dm ³ /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 dm ³ /s, ANR) 2" 1,600 scfm (755 dm ³ /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	
Port Size		Springs		Engineering Level	
1-1/2 inch	7	2 to 40 psig	25	A	Current
2 inch	8	5 to 160 psig	26	Relief	
				R	Relieving
Thread Type					
Blank	NPT				
1	BSPP				

 Most popular.



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

Semi-Precision Regulators

Material Specifications

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

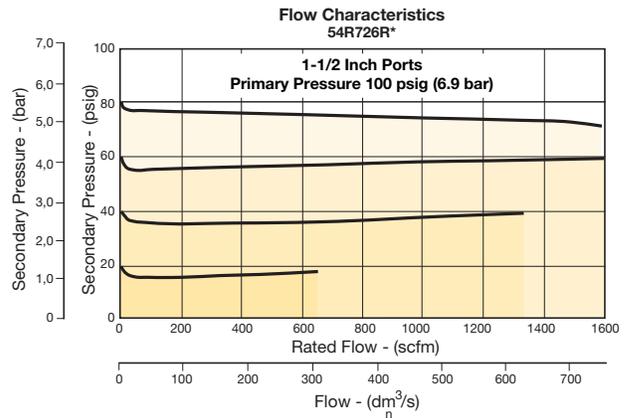
Repair and Service Kits

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

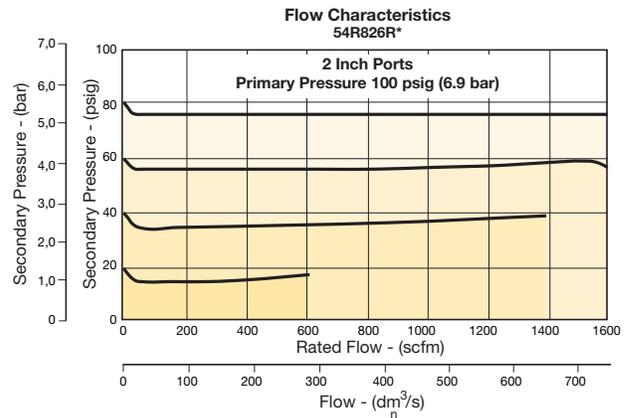
Air Preparation Products Regulator Products

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



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