

R20 & R21 QIX Regulators

Features

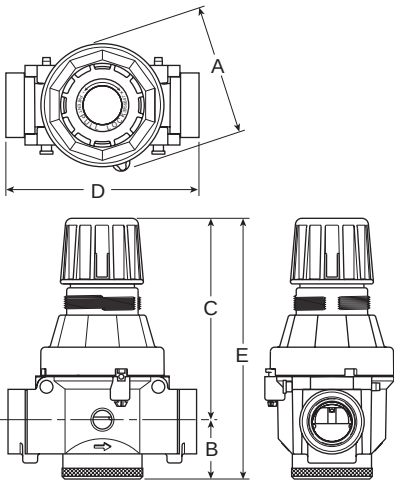
- Unique Interchangeable QIX Inserts Allow One Module to Accommodate 5 Port Sizes 1/4", 3/8", 1/2", 3/4", 1"
- Piston Operated for High Flow Performance
- Secondary Aspiration Plus Balanced Poppet Provides Quick Response and Accurate Pressure Regulation
- Panel Mountable
- High Flow: 250 SCFM for 3/4" & 1" Port Sizes

R20 Features

- Push-to-Lock, Pull-to-Adjust, Remove-for-Tamper-Resistant Knob Feature

R21 Features

- Heavy Duty Tee Handle Adjustment



R21



R20

R20 / R21 Regulator Dimensions

A	B	C	D*	D**	E
R20					
3.03 (77)	.75 (86)	4.70 (119)	3.50 (89)	4.50 (114)	6.10 (155)
R21					
3.03 (77)	.75 (86)	5.58 (142)	3.50 (89)	4.50 (114)	6.33 (161)

inches
(mm)

* 1/4 thru 3/4 Inch Port Insert Size

** 1 Inch Port Insert Size

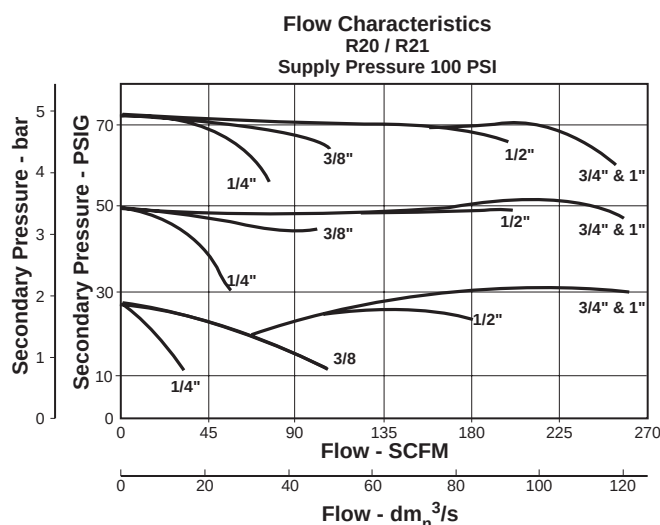
Ordering Information

R 20 — 00 C / **					
Adjustment Type	Port Threads	Port Size	Reduced Pressure	Options	Engineering Change Designator
20 Knob 21 Tee-Handle	— NPT G* BSPP *If ordering BSPP Port Inserts Separately - Order "G00" Unit	00 No Port Inserts 02 1/4 Inch 03 3/8 Inch 04 1/2 Inch 06 3/4 Inch 08 1 Inch	B 0-60 PSIG C 0-120 PSIG D 0-250 PSIG	P Panel Mount Nut (Plastic) G Gauge K Non-Relieving	Will be entered at factory.

BOLD ITEMS ARE MOST POPULAR.



Technical Information

**⚠ 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.

QIX R20 & R21 Kits & Accessories

Combination Connector IK20CC
(Connects 2 QIX units together)

Combination Porting Block IK20CP
(same as IK20CC, except with 1/8" top branch outlet)

Mounting brackets (pair) MK20-0100
(Mounts directly to port inserts)

Wall Mounting Bracket SAR20A57
(Uses panel mount threads - includes plastic panel mount nut)

Panel Mount Nut –
Plastic R10X51-P
Aluminum R10X51-A

Port Insert Kits (includes o-rings & pins) NPT –

1/4" Port Size IK20Y
3/8" Port Size IK20X
1/2" Port Size IK20A
3/4" Port Size IK20B
1" Port Size IK20C

Repair Kit - Internal Parts (Piston, Innervalue, Seals)

Relieving RKR20A
Non-Relieving (K) RKR20KA

Spring Cage Kit –

R20 CKR20A
R21 CKR21Y

Shut-off Valve w/lockout (for inlet) IK20V

Specifications

Gauge Ports (2) 1/4"

Maximum Pressure 300 PSIG

Port Threads / Inserts –

00 No Port Inserts
02 1/4"
03 3/8"
04 1/2"
06 3/4"
08 1"

Reduced Pressure Range –

"B" 0-60 PSIG
"C" 0-120 PSIG
"D" 0-250 PSIG

Temperature Range 40°F to 150°F

Weight 2.6 lb
(For total weight add .1 lb for port inserts)

Materials of Construction

Adjusting Knob (R/B 20) Acetal

Adjusting Screw (all) Steel

Body Zinc

Bottom Plug Brass

Innervalue Brass

Piston Nylon

Seals Buna-N

Spring Cage Zinc

Springs Steel

Thread Inserts Zinc