White Knight back-pressure regulators feature an air spring design that responds immediately and is highly accurate. They offer remote piloting capability to maintain system pressure for recirculation loops or systems with multiple tool drops or dispense points. They are available with 1/2 in. (RBA08), 3/4 in. (RBA12) and 1 in. (RBA16) connection sizes.

**Features & Benefits**
- Remotely piloted
- 100% PTFE fully-swept fluid path for ultra-high purity applications
- No O-rings or extraneous seals
- Chemically resistant PTFE & PFA fluid path ideal for harsh applications
- Zero-metal construction eliminates possibility of contamination
- 1/2 in. models have 3/8 in. flow-through
  3/4 in. models have 5/8 in. flow-through
  1 in models have 7/8 in. flow-through
- Class 100 cleanroom assembly, testing, and packaging
- Virtually any style or size liquid connection without NPT threads
- Minimal parts for durable design
- Easy to install and service
- No maintenance required during two year warranty
- Integral gauge port (order liquid fitting adapter separately)
- Safe, leak-free operation

**Operation**
A single back pressure regulator equalizes upstream fluid pressure across multiple discharge outlets.

Regulators act as pulse dampeners to reduce system pulsation.

https://wkfluidhandling.com/rba/
Temperature Limitations

Bar Air Supply Pressure

60°C 65°C 70°C 75°C 80°C 85°C 90°C 95°C 100°C

5.0 5.5 6.0 6.5 7.0

5.0 75 80 85 90 95 100

210°F 200°F 190°F 180°F 170°F 160°F 150°F 140°F

1.6 1.8 2.1

INTEGRAL GAUGE PORT
*NOT NPT, ADAPTER REQUIRED
If ordered, replace plug with fitting.

MOUNT WITH 2X 10-24 [M 5 x .8]
SOCKET HEAD CAP SCREWS

AIR SUPPLY PORT
1/4 NPT

RBA08 Dimensions

[mm] inches

1/8 NPT VENT PORT
*Use plug provided for reduced air consumption. Use muffler provided for improved performance.
RBA12 Dimensions

INTEGRAL GAUGE PORT
*NOT NPT, ADAPTER REQUIRED
If ordered, replace plug with fitting.

1/8" NPT VENT PORT
*Use plug provided for reduced air
consumption. Use muffler provided
for improved performance.

MOUNT WITH 2X 3/8 [10mm]
SOCKET HEAD CAP SCREWS

https://wkfluidhandling.com/rba/
RBA16 Dimensions

INTEGRAL GAUGE PORT
*NOT NPT, ADAPTER REQUIRED
If ordered, replace plug with fitting.

1/8" NPT VENT PORT
*Use plug provided for reduced air consumption. Use muffler provided for improved performance.

MOUNT WITH 2X 3/8 [10mm] SOCKET HEAD CAP SCREWS

https://wkfluidhandling.com/rba/