

## **RFA SERIES REGULATORS**

# **Automatically Controls Downstream System Pressure Without Added Circuitry or Feedback**



White Knight forward 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. (RFA08), 3/4 in. (RFA12) and 1 in. (RFA16) 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 clean room 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
- · Safe, leak-free operation











#### **Operation**

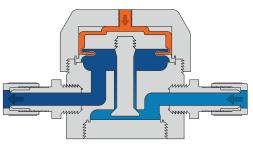
Forward pressure regulators control downstream fluid pressure. One regulator is required for each discharge pressure.

Supply Air

Variable Pressure

Stable Pressure

Regulators act as pulse dampeners to reduce system pulsation.



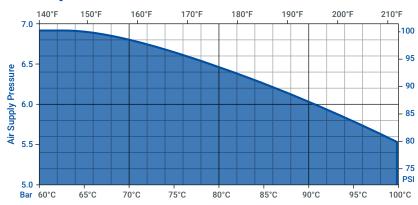


https://wkfluidhandling.com/rfa/

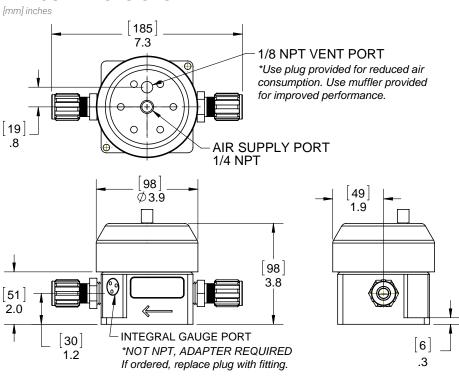


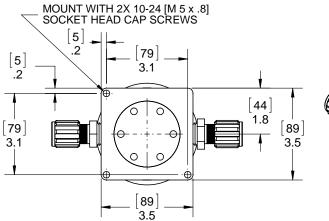
## **RFA Series Regulators**

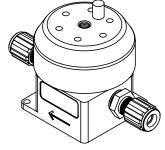
### **Temperature Limitations**



#### **RFA08 Dimensions**







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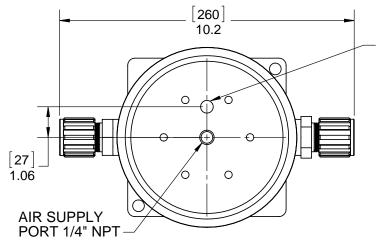




## **RFA Series Regulators**

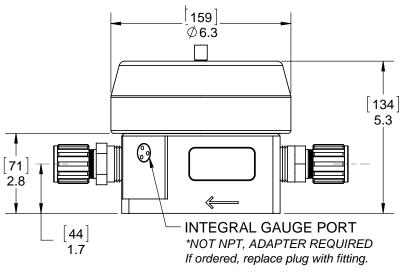
#### **RFA12 Dimensions**

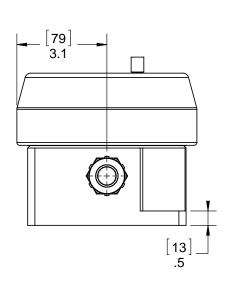
[mm] inches

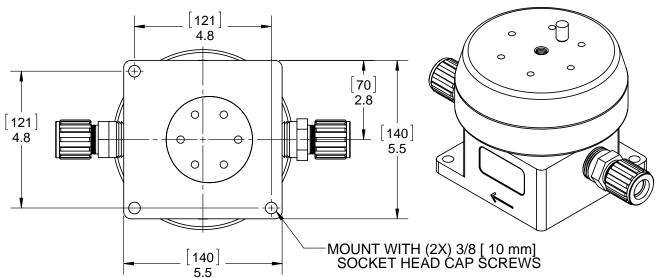


#### 1/8" NPT VENT PORT

\*Use plug provided for reduced air consumption. Use muffler provided for improved performance.







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## **RFA Series Regulators**

#### **RFA16 Dimensions**

[mm] inches 281 11.1 1/8" NPT VENT PORT \*Use plug provided for reduced air consumption. Use muffler provided for improved performance. 0 0 AIR SUPPLY 27 PORT 1/4" NPT 1.06 159 79  $\emptyset$ 6.3 3.1 134 5.3 71 2.8 INTEGRAL GAUGE PORT [44] 13 \*NOT NPT, ADAPTER REQUIRED .5 If ordered, replace plug with fitting. 121 4.8  $\oplus$ 70 2.8 0 [121] 140 4.8 5.5 0

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



140 5.5