



INSTRUMENT GRADE

# Compressed Air Filters

Ultra Clean Air for Instrumentation, Fluidics, Packaging, and Laboratory

## U203 Ultra-C Filter

- Provides Clean, Dry, Oil-Free Compressed Air
- Color Change Cartridge Life Indicator
- Energy Conserving Automatic Drain

KING U203 Ultra-C Filter provides high efficiency air line filtration for point of use that's economically priced. It is the right choice for lower flow applications that demand ultra clean compressed air. The high efficiency 20 scfm two stage filter uses a self-draining coalescing element to remove large amounts of solid and liquid contaminants from the airline. Another unique aspect of the U203 design is a color indicating feature on the visible top element to signal the need for replacement.

KING filter cartridge elements provide equal efficiency regardless of flow rate. Filtering efficiency does not diminish during the life of the cartridges so you can be assured of consistent performance and air quality. Without question, most compressed air systems contain solid and liquid contaminants that affect performance and increase wear on equipment. Precision pneumatic instrumentation including KING-GAGE tank level gauging systems require clean, dry and oil-free compressed air for trouble free operation.

KING U203 Ultra-C Filter is intended for light duty environments not directly exposed to prolonged direct sunlight exposure. The U203 is built on a cast aluminum housing combined with a transparent polycarbonate sump. Energy conserving intermittent action automatic drain ensures that liquid contaminants are periodically discharged. This critical feature eliminates the maintenance problems associated with failure to drain condensate from the filter sump.

(An available variation, model U202 is the same unit but with a manual petcock drain.)



**Model U203  
Ultra-C Compressed  
Air Filter**

<b>Model No.</b>	U203 (w/ auto drain), U202 (w/ manual drain)
<b>Rated Flow</b>	20 scfm @ 100 psig; 566 l/min @ 7 Kg/cm <sup>2</sup> ; 34 m <sup>3</sup> /hr @ 7 bar
<b>Connections</b>	1/2" NPT
<b>Max. Pressure</b>	150 psi
<b>Filter Type</b>	dual cartridge coalescing w/ color change indicating
<b>Rating</b>	99.98% @ 0.1 micron



# U203 Ultra-C Filter

20 SCFM FILTER with COLOR CHANGE CARTRIDGE

## APPLICATIONS

**Point of Use:** Air operated packaging equipment, air preparation for painting/coating systems, improved machinery performance and reduced maintenance.

**Pneumatic Instruments:** Installed upstream of the main take off to individual components, the filter provides clean, regulated compressed air. One (1) filter can service dozens of individual pneumatic tank sensors.

## SPECIFICATIONS

### ULTRA-C FILTER

MODEL U203 with automatic sump drain

MODEL U202 with manual sump drain

### Maximum Inlet Pressure:

150 psig (10.3 bar)

### Capacity (Flow):

20 scfm @ 100 psig (34 m<sup>3</sup>/hr @ 6.9 bar)

### Rated Efficiency:

99.98% @ 0.1 micron

### Connections (Inlet/Outlet):

1/2" NPT, female

**Temperature Limit:** 125°F/52°C

### Physical Data:

housing—cast aluminum

upper bowl—polycarbonate

sump—polycarbonate

shipping weight—3.0 lb/1.4 kg

### Sump Drain:

automatic, floated actuated (Model U203)

manual petcock (Model U202)

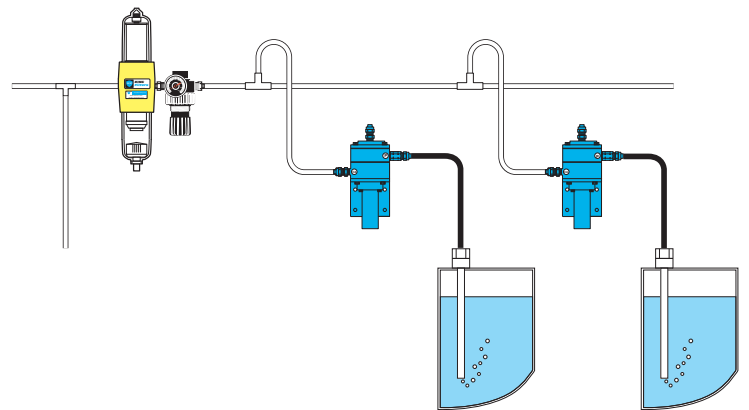
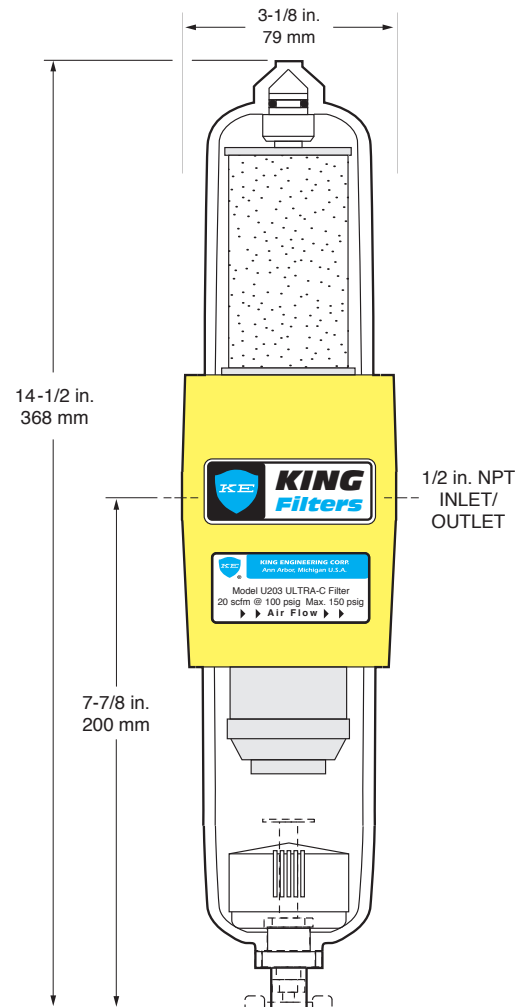
### Cartridge Elements:

dual cartridge, 1st stage scrubber, 2nd stage polisher

U3002 scrubber (type 750)

U3003 indicating polisher (type 750)

All specifications are subject to change without notice.



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