**PRODUCT SPECIFICATION**

**ZFC Filter (22 – 1600 SCFM)**

This Product Specification is for a standard filter for the removal of oil aerosols, moisture, and other contaminants from a compressed air or gas stream.

**SCOPE**

This specification describes a standard ZFC Filter. ZFC filters are specifically designed for industrial compressed air and gas applications and are manufactured for long service life and ease of maintenance.



For reference only

**COMPONENTS AND CONSTRUCTION**

The filter shall be designed for the separation and removal of oil carryover, dust and dirt from air before it enters air system conditioning equipment, piping, or pneumatic tools.

The filter housing shall be precision die cast aluminum with a proprietary coating to eliminate corrosion on internal and external head and bowl surfaces. Filter housing is rated for 250-psig maximum working pressure.

The filter element with stainless steel mesh shall withstand high differential pressure while minimizing flow restriction through the element. Deep-pleated filter media shall reduce air flow velocity to maximize filtration efficiency and minimize pressure losses. A high efficiency drainage layer shall improve liquid drainage properties and enhance chemical compatibility.

**DUAL SCALE PRESSURE DIFFERENTIAL INDICATOR**

The dual scale indicator shall display both pressure differential and economic efficiency. The dual indicator shall be factory installed.

**INDUSTRIAL GRADE FLOAT DRAIN**

An industrial grade brass float drain shall discharge accumulated condensate and oil more reliably than lesser quality plastic drains.

ZFC FILTER (Cont.)

**Element Grades**

Grade P - Particulate/Bulk Liquid Filtration

For removal of small particles and dirt, and for liquid coalescing. Also used where high concentrations of air born dirt are present in the ambient air.

* 1 micron

## Grade G – General Purpose Filtration

For general use to protect pneumatic tools and actuators from dirt, oil and dust. Used to coalesce air compressor lubricant carryover out of the air stream..

* 0.1 micron
* 0.03 ppm oil carryover

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## Grade H – High Efficiency Filtration

Used for fine coalescing and when removal of very small particles is required.

* .01 micron
* .008 ppm oil carryover

## Grade A – Activated Carbon Finishing

For oil vapor and hydrocarbon odor removal. A Grade “H” (high efficiency) filter must be installed upstream of Grade A filter.

* .003 ppm oil carryover

END PRODUCT SPECIFICATION