Your FILTER decision… is a Compressor decision

Are you running non-certified filters in your system? If so, you…

- **Shorten the life of your compressor**
- **Increase the power consumption of your compressor**
- **Will cause an expensive and catastrophic failure of your compressor**

Factory OEM parts vs Will-Fit aftermarket parts

The three F's and why they mater

With proper engineering discipline , manufacturing processes and hands-on experience, replacement compressor parts must satisfy the three F's of solid design practice: Form, Fit and Function. Miss of any of the three F's and the performance of the part will be less than designed and less than expected with increased risk.

The three F's comparison test

Factory OEM oil filter vs. Will-Fit oil filter

Form

IR OEM oil filter (left) and Will fit oil filter (right) look the same

Fit

Both OEM and Will-Fit canisters "will fit"

Function

IR OEM filter 3-layer fiber glass, 738 g (left)

Will-fit single pleated paper 481 g (right)

Will-Fit element DOES NOT meet OEM performance specifications

Cheap Filter = Expensive Downtime

Failing the FUNTION test, the non-OEM filter jeopardizes the reliability and performance of the mechanical assembly to which it is integrated: the heart of the compressor, the **AIREND**

- **Elements are not the same**
- **Non-OEMs do not meet OEM specifications**
- **Only an OEM part will install as intended and perform true to its specified function.**

After analysis, the OEM filter has 53% more filtering media mass than the Will-Fit, proving that the OEM filter significantly outperforms the Will-Fit filter on protecting your compressor.

In this example, the OEM filter fiberglass element is rated for 2,000 hours of service life, while the Will-Fit paper element is rated at best for only 1,000 hours. If the customer is used to changing filters every 2,000 hours, then the Will-Fit filter will be run in this application for at least twice as long as its rated service life. This results in running dirty lubricant through the compressor airend for 1,000 hours or longer, leading to premature and costly airend failure. Alternatively, if the Will-Fit element is changed every 1,000 hours, the customer will purchase twice as many Will-Fit elements and spend twice the labor time as compared to using OEM filters

Compare the Difference

OEM parts: 53% more mass, 53% more protection

Oil Filter Specifications		
	Ingersoll Rand	Non-OEM
Filter Media	3-Layer Synthetic Fiber Glass	Single Layer Cellulose
Dirt Holding Capacity	>2x	1x
Pressure Drop	Low - .13 Bar	Average - .29 Bar
Water Tolerant	Yes	No
Weight	738 g	481 g

This OEM vs. Will-Fit relationship also holds true for the other compressed air consumables that the air compressor requites

- **Air/oil separators**
- **Inlet air filters**
- **Compressor lubricant**