

hertz

KOMPRESSOREN



SPIN ON
TYPE

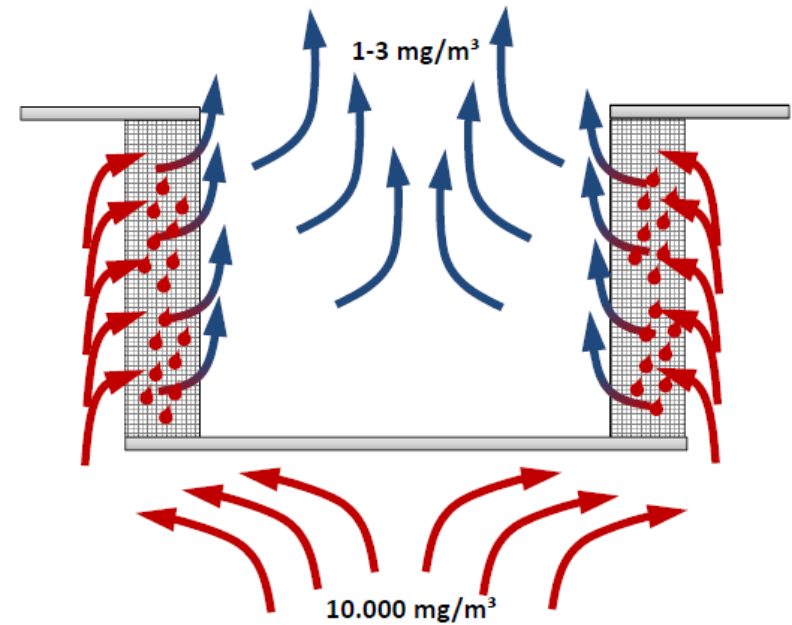


NESTED
TYPE

SEPARATOR FILTERS


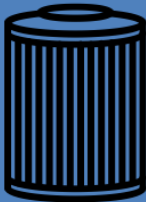


WHAT IS SEPARATOR FILTER?

Separator filter separates oil and air within the compressed air to ensure the low oil level will be released at the output



THE RISKS OF NON-GENUINE SEPARATOR USAGE

Non-genuine separators are mostly produced by low quality equipments and installation of these separators into your compressed air system may cause different kind of problems

				
PROBLEM	<ul style="list-style-type: none"> OIL CARRYOVER 	<ul style="list-style-type: none"> SHORT TIME SEPARATOR ELEMENT CLOG 	<ul style="list-style-type: none"> HIGH PRESSURE DROP 	<ul style="list-style-type: none"> FIRE RISK
REASON	<ul style="list-style-type: none"> POOR OIL FILTRATION 	<ul style="list-style-type: none"> POOR QUALITY OF FILTER EQUIPMENT NOT RESISTIVE AGAINST TEMPERATURE 	<ul style="list-style-type: none"> HIGH FLOW RESISTANCE DUE TO POOR QUALITY OF FILTER EQUIPMENT 	<ul style="list-style-type: none"> STATIC ELECTRICITY EFFECT DUE TO NON GROUNDING
RESULT	<ul style="list-style-type: none"> DAMAGES ONTO DOWNSTREAM EQUIPMENTS 	<ul style="list-style-type: none"> COMPRESSOR FAILURE UNEXPECTED SHUTDOWN PRODUCTION LOSS 	<ul style="list-style-type: none"> WASTED ENERGY COST AND COMPRESSOR LIFE DOWNTIME 	<ul style="list-style-type: none"> COMPRESSOR DAMAGE HIGH REPAIR COST PRODUCTION LOSS

Genuine separator usage warrants great oil separation with low air pressure drop. Genuine separators are tested with your compressor system and with additional grounding prevents static electricity as well



Advantageous & Results

WELL OIL / AIR SEPARATION	WELL MANUFACTURED AND PROVEN QUALITY	PRESSURE DROP IS OPTIMIZED	GROUNDING PROTECTION
<ul style="list-style-type: none">• GOOD AIR QUALITY• PROTECTION OF DOWNSTREAM EQUIPMENTS	<ul style="list-style-type: none">• RELIABLE OPERATION• LONG SERVICE OPERATION	<ul style="list-style-type: none">• LOW ENERGY COST	<ul style="list-style-type: none">• STATIC ELECTRICITY PROTECTION IS WARRANTED

WASTE ENERGY COST BECUASE USING NON-GENUINE SEPARATOR FILTERS OR LACK OF REPLACEMENT



Average waste energy cost example calculation for 55kW and 7 bar compressor due to non-genuine or clogged separator

Average pressure drop with non-genuine or clogged separator is 0,4 Bar more than the pressure drop with genuine or new separator

This extra 0,4 bar creates an extra power demand of
 $[55 \text{ kW} / 7 \text{ bar}] \times 0,4 \text{ bar} = 3,14 \text{ kW}$

Average Extra Energy Cost for 3.000 working hours:

$3,14 \text{ kW} \times 3000 \text{ h} = 9.420 \text{ kWh}$

Extra energy cost = $9.420 \text{ kWh} \times 0,114 \text{ \$/ kWh} =$

\$1.073,88



*Energy Cost = 0,114 \$ / kWh