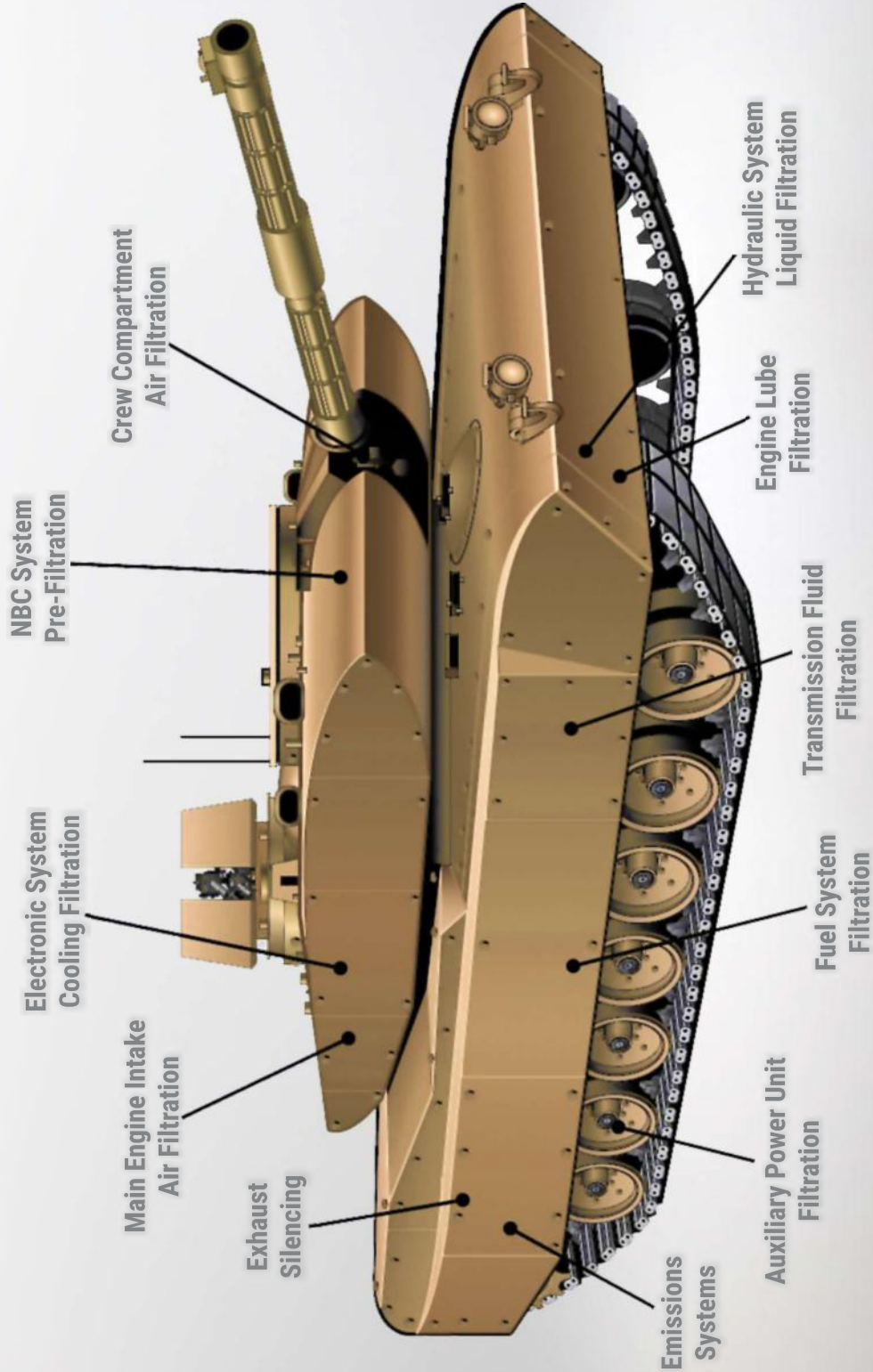
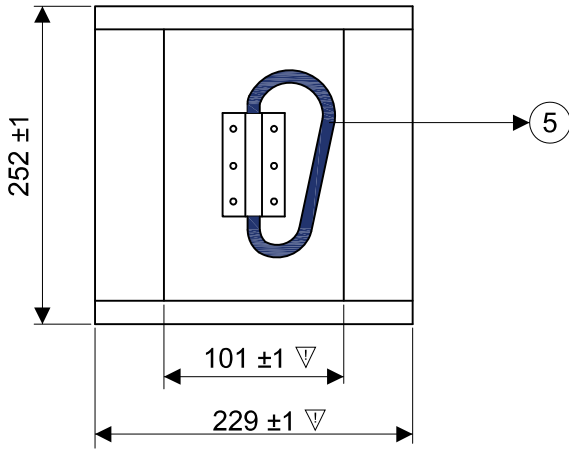
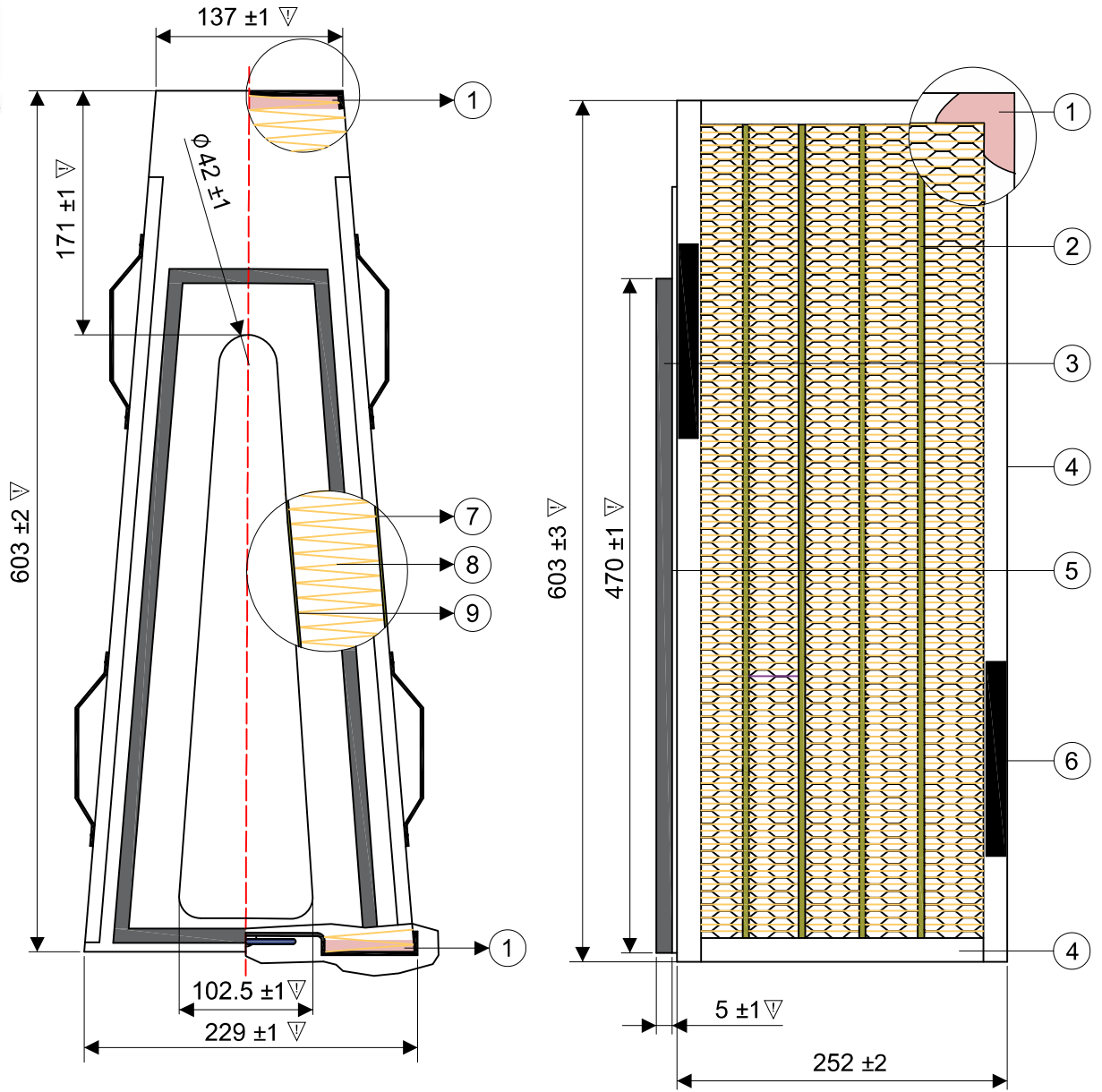


1-MAIN ENGINE INTAKE AIR FILTRATION





FILTER SPECIFICATIONS		
Surface area	cm ²	10.222
Paper H.	mm.	242
Pleats N°.	N°.	220x2
Pleats H.	mm.	48

Item No	Nomenclature	Material	Quantity
1	Glue	----	4
2	Hotmelt	----	24
3	Gasket (External)	NR 25±5 Shore	1
4	Nut Plate	1 mm C.R Steel Z.N Plated	4
5	Metal	----	2
6	Handle	----	5
7	External Perforated Tube	1 mm C.R Steel Z.N Plated	1
8	Filter Element	FM-AHHV-01FR	1
9	Inner Perforated Tube	1 mm C.R Steel Z.N Plated	1

micronic FILTER		Micronic No.	Filters Type	Replaceable for
		1Z 8000	Air Filter	
☐ ⊕	All Dimensions are in	mm. ☒ cm. ☐ in. ☐	Drawn	Checked
Page. 1	A4	Drawing No	Burak BEYAZ	Okan EVCİL
Scale	1/1	MIC-1Z8000	27.06.2021	Barbaros YILMAZ

Confirmation of Desing and Performance Data with Test Report. Results of the type test (validation) are listed below.

Date of Test Report	15 July 2021
Reference Number of Test Report	TDS 1Z 8000-2023

Filter Code	1Z 8000
Filter type	Air
Filter shape	Air Filter
Application area	AIR FILTER
Additional Parts	
Additional Gasket	N/A
Additional Washer	N/A

FILTER DIMENSIONS

AA (mm)	603
BB (mm)	137/229
CC (mm)	42/102,5
DD(mm)	
EE	
FF	
GG	
HH(mm)	252
Bypass Valve & Opening Pressure (bar)	N/A
Anti-drain valve	N/A
Anti-Siphon valve	N/A
Anti-Siphon valve (Pipe)	N/A

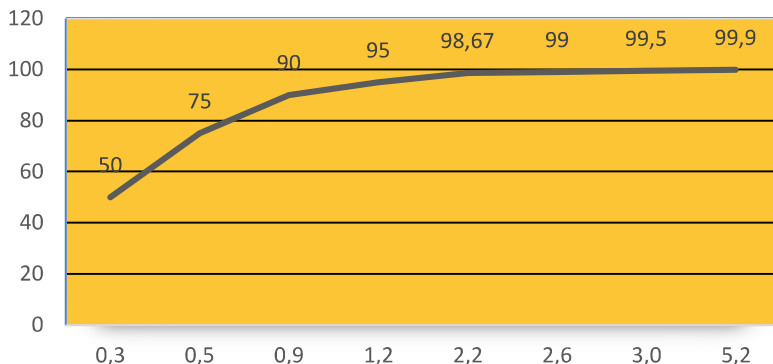
FILTER FILTRATION PROPERTIES

Filter media	Cellulosic	
Pleat height (mm)	48	
Number of pleats	440	
Paper height (mm)	242	
Filtering surface (m ²)	10,222	
Filter media grammage (gr/m ²)	128	ISO 536
Thickness corrugated (mm)	0,6	ISO 534
Not cured burst Strength (Kpa)	>200	DIN 53113 (A= 10 cm ²) OR ISO 2758
Max. Pore Size μ	62	ISO 24003
Many Pore Size μ	52	ISO 24003
Air Permeability (lt/m ² s)	300	ISO 9237 (A=20 cm ²)
MFP- (Mean Flow Pore Size-1) μ	16	
Nominal flow rate (lt/min)	500	
Max. Flow (lt/min)	1500	
Max. Temperature	-10°C & 100 °C	
Hydraulic pulse durability Cycles 0-10 bar	N/A	
Burst pressure (bar)	N/A	
Vibration Test	N/A	
Pressure difference (mbar)	90	

FILTRATION PERFORMANCES

Filter Efficiency %=50-75-90-98,7-99	ISO-5011 & TSE 932 & ISO 16890	
Beta Ratio	Efficiency %	Micron μ
β(x)=2	50	0,3
β(x)=4	75	0,5
β(x)=10	90	0,9
β(x)=20	95	1,2
β(x)=75	98,67	2,2
β(x)=100	99	2,6
β(x)=200	99,5	3,0
β(x)=1000	99,9	5,2
Final net pressure or Test conditions	Palas MFP 2000 Efficiency; Filter area: 100 cm ² , Face velocity: 100 cm ² , Dust concentration: 200 mg/m ³ , Discharge :No, Test dust: ISO 12103-1, A2 Fine	
Flow Rate (lt/sec or l/min)	---	
Filter capacity (gr)	2146,6368	

FILTRATION PERFORMANCES DIAGRAM



Description:

Flame Retardant

Signed By Product Line Manager Industrial Filtration Technology



12 8000



MAIN ENGINE INTAKE AIR FILTER

