

FILTER'S CHAIN TYPE A

IP total load 1055.5 Kg
diameter flex joint 10.23 mm
diameter from Hennes 10.50

Suspension first wire dia 3.1 mm
 $\sigma = 769.93 \text{ N/mm}^2$
Wire's lenght 2100 mm

Suspension second wire dia 2.8 mm
 $\sigma = 775.44 \text{ N/mm}^2$
Wire's lenght 2100 mm

Suspension third wire dia 2.5 mm
 $\sigma = 788.9 \text{ N/mm}^2$
Wire's lenght 2350 mm

Suspension fourth wire dia 2.2 mm
 $\sigma = 789.2 \text{ N/mm}^2$
Wire's lenght 2085 mm

Top filter: total mass (filter+ballast+100 Kg+acceler.) 474.4 Kg
Total load on the blades 581.12 Kg
N°3 blades: t=5; W=125; l=606; load/blades 116.15 Kg
N°3 blades: t=5; W=83.47; l=606; load/blades 77.55 Kg

Filter 1: Mass 49.9+cup 38.8+ballast 4.44+ ring magnats10.5=103.64 Kg
Total load 477.48 Kg
N°10 blades: t=2.4; w=80; load/blade 40.3 Kg
N°2 blades: t=2.4; w=73.92; load/blade 37.24 Kg

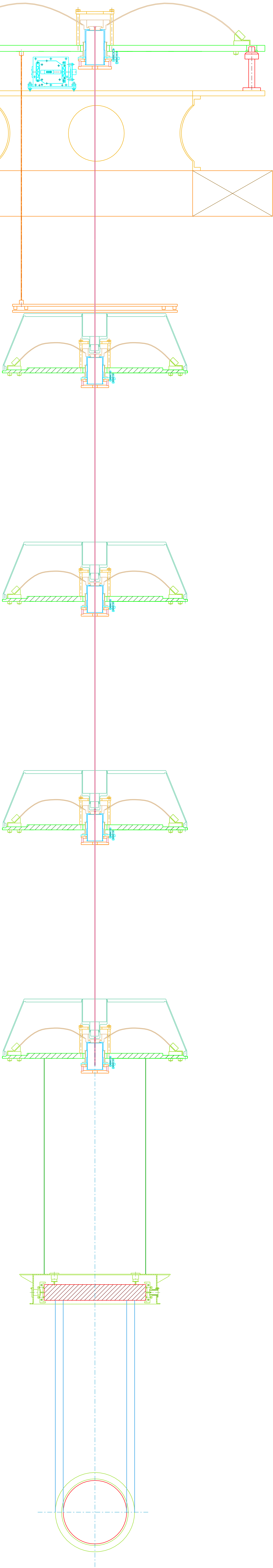
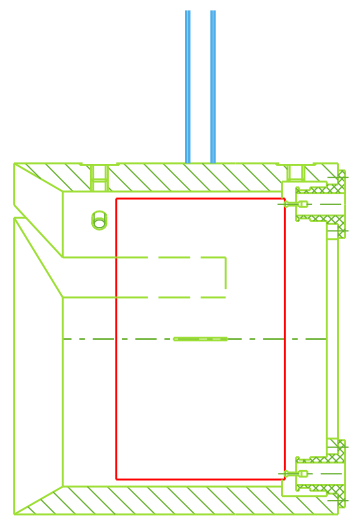
Filter 2: Mass 47.13+cup 38.8+ballast 4.3=total mass 90.23 Kg
Total load 387.25 Kg
N°8 blades: t=2.4; w=80; load/blade 40.3 Kg
N°2 blades: t=2.4; w=64.36; load/blade 32.42 Kg

Filter 3: Mass 44.3+cup 38.8+ballast 4.15=total mass 87.25 Kg
Total load 300 Kg
N°6 blades: t=2.4; w=80; load/blade 40.3 Kg
N°2 blades: t=2.4; w=57.8; load/blade 29.1 Kg

Filter 4: Mass 41.47 Kg+Cup 38.8+ ballast 4=total mass 84.27 Kg
Total load 215.75 Kg
N°4 blades: t=2.4; w=80; load/blade 40.3 Kg
N°2 blades: t=2.4; w=54.2; load/blade 27.28 Kg

IRM mass 25.75 Kg
IM mass 90 Kg

Mirror mass 10 Kg
RM mass 90 Kg



ref.	note	date
modifications		
ref.	draw.	denomination
	designed for R.De Salvo	
	designer G.Gennaro	
	date 29-04-11	scale
	ass. numb. LCGT.0013-00	
title LCGT-SAS		
FILTER'S CHAIN TYPE A-Gr.0		
replaces draw. n°	A 1	