

SAATIMOTION

Advanced woven meshes for fuel-water separation

Advanced Diesel injection systems are working at high pressure under strict mechanical tolerances, making continuous lubrication a priority.

The presence of water droplets and solid particles could seriously affect the lubrication performances and therefore the overall efficiency of the water separation system.

Saati understands that fine filtration is necessary in order to meet these increasing demands and have developed a complete range of advanced woven meshes especially dedicated to water removal in diesel fuel filtration.

Within our standard polyester mesh range a new set of fabrics, characterized by an increased open area, have been introduced. High open area means lower pressure drop at the filter and thus an improved water separation efficiency even with low IFT fuels.

Product No.	Mesh Opening	Open Area	Weight	Thickness	Air Permeability 20mm WG
	µm	%	g/m ²	µm	l/m ² s
PES 53/40	53	40	27	48	4700
PES 41/28	41	28	37	60	3575
PES 30/30*	30	30	24	44	3790
PES 30/24	30	24	35	60	2800
PES 25/27*	25	27	28	44	2100
PES 25/17	25	17	38	49	1400
PES 21/23*	21	23	28	42	1700
PES 18/18*	18	18	32	44	1200
PES 18/13	18	13	48	60	800

The listed technical specifications are referred to the arithmetic mean value of production samples and are subject to change without any notification, in accordance with our policy of continuously improving our products.

This is just a small selection of possible SAATIMOTION range of mesh for the fuel water separation. Complete mesh range is available on request., including SAATIMotion Hyphobe® Polyamide items

PES (PET) = polyester

* new item - high open area

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