



Hydraulic Filter Media

Delivering contaminant-free hydraulic fluid

Ahlstrom-Munksjö hydraulic filter media deliver optimal and reliable filtration performance for industrial, mobile and aerospace applications.

Keeping hydraulic fluid contaminant-free, reducing maintenance and preventing failures of the fluid power system.

Ahlstrom-Munksjö Hydraulic portfolio offers single source of a complete range of reliable filtration solutions:

- Traditional cellulose media reinforced with resin covering low particulate efficiency requirements.
- Synthetic Trinitex® media delivering higher flow and excellent intrinsic mechanical resistance.
- Premium single-layer and dual-layer glass microfiber media, with full lamination capability.

Benefits

- ✔ **Complete range of cellulose, synthetic and glass filtration media** – delivering optimal pressure drop for the required protection of the fluid power system.
- ✔ **Advance glass microfiber structure** – with excellent mechanical stability, enhanced consistency and multiple customization solutions.
- ✔ **Extensive flexibility and state-of-the art capability** – to laminate protective scrim for improved mechanical and processing performances.

Ahlstrom-Munksjö CellTech Hydraulic

First class corrugated cellulose media reinforced with a highly resistant phenolic resin covering low Beta ratio requirements. Provides reliability and easy processing for mineral oil and low pressure hydraulic filtration.

Grades	Media Structure	Basis Weight	Beta 200* (99.5%)	Beta 1000* (99.9%)	Thickness	Permeability	Dust Holding Capacity*	Burst Strength
		g/m ²	µm	µm	µm	L/m ² /s	g/m ²	kPa
SM50 20/40 LE H AD	Cellulose/MB	200	13	18	850	160	130	320
90/40 AD-G	Cellulose	126	20	25	430	107	60	350
60/66 AD-G	Cellulose	155	28	30	500	195	80	330
30/66 AD-G	Cellulose	126	36	42	470	570	130	230

Ahlstrom-Munksjö Trinitex® Hydraulic

Based on our proprietary 3-layer wetlaid technology platform, Trinitex® Hydraulic contains glass microfibers in the middle layer and polyester fibers on the outer layers. This unique combination delivers excellent filtration efficiency, low pressure drop and improved dust holding capacity, along with best mechanical resistance without any lamination need. An valuable alternative for mineral and synthetic hydraulic fluid filtration. Main references are presented in the table below.

Grades	Media Structure	Basis Weight	Beta 200* (99.5%)	Beta 1000* (99.9%)	Thickness	Permeability	Dust Holding Capacity*	Burst Strength
		g/m ²	µm	µm	µm	L/m ² /s	g/m ²	kPa
K959 100	Synthetic	100	10	13	740	160	108	300
K958 100	Synthetic	100	16	19	680	300	167	350

Ahlstrom-Munksjö Glass Hydraulic

High performance glass microfiber media from pre-filtration to highest particulate efficiencies for the most demanding applications. Main efficiency levels are available as single-layer thin media for high flow filters, as double-layer design delivering up to 60% higher dust holding capacity (ISO16889), and with an optional dissipative surface treatment preventing build-up of static charges for higher safety. Glass Hydraulic media can be laminated with an extensive range of spunbond and grid, reinforcing the web and improving the processing performance; the first choice for any type of hydraulic fluids whatever the operating conditions. Main efficiency levels and MFPS13 portfolio are presented in the table below.

Grades	Media Structure	Basis Weight	Beta 200* (99.5%)	Beta 1000* (99.9%)	Thickness	Permeability	Dust Holding Capacity*	Burst Strength
		g/m ²	µm	µm	µm	L/m ² /s	g/m ²	kPa
MFPS0601	Single Layer	80	<4,0	4,0	490	>43	90	n/a
MFPS0801	Single Layer	80	4,2	6,0	490	>80	100	n/a
MFPS0901	Single Layer	80	6,2	7,9	490	>110	110	n/a
MFPS13S1	Single Layer	68	9,3	11,5	460	205	110	n/a
MFPS1301	Dual Layer	78	9,3	11,5	500	205	150	n/a
MFPS1301-C	Dual Layer - Dissipative	78	9,3	11,5	500	205	150	n/a
MFPS1302	Dual Layer - High DHC	100	10,0	14,0	650	200	206	n/a
MFPS1501	Dual Layer	78	14,0	17,0	500	295	180	n/a
MFPS2001	Dual Layer	78	16,0	19,0	520	385	210	n/a
MFPS2501	Dual Layer	78	19,0	22,5	520	485	210	n/a
MFPS2801	Single Layer	68	24,0	27,0	500	900	240	n/a
MFPS3001	Single Layer	68	28,0	32,0	500	1140	240	n/a
M20PS1301	Downstream Lamination	105	9,3	11,5	600	195	150	120
B20PS1301	Up-& Downstream Lamination	130	9,3	11,5	660	190	150	150

*Efficiency results and dust holding capacity according to ISO16889 standard.

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