



STAINLESS STEEL FIBER SINTERED FELT SPECIFICATIONS

1. High Pressure Series

Item	Filtering Precision (µm)	Bubble Point Pressure (Pa)	Air Permeability (L/min/dm ²)	Porosity (%)	Dirt Holding Capacity (mg/cm ²)	Thickness (mm)	Weight (g/m ²)
HT-HP-5	5	7400	32	73	7.62	0.42	900
HT-HP-7	7	5100	58	73	9.45	0.42	900
HT-HP-10	10	3700	75	73	9.85	0.42	900
HT-HP-15	15	2400	160	73	11.95	0.42	900
HT-HP-20	20	1850	240	73	12.20	0.42	900
HT-HP-25	25	1500	300	73	12.30	0.49	1050

2. General Pressure Series

Item	Filtering Precision (µm)	Bubble Point Pressure (Pa)	Air Permeability (L/min/dm ²)	Porosity (%)	Dirt Holding Capacity (mg/cm ²)	Thickness (mm)	Weight (g/m ²)
HT-MP-5	5	7600	34	80	7.80	0.37	600
HT-MP-7	7	5050	60	74	6.55	0.29	600
HT-MP-10	10	3700	110	78	7.20	0.34	600
HT-MP-15	15	2500	170	80	6.80	0.38	600
HT-MP-20	20	1850	265	82	11.35	0.51	750
HT-MP-25	25	1450	340	79	17.30	0.63	1050
HT-MP-30	30	1250	450	79	15.50	0.63	1050
HT-MP-40	40	900	620	77	20.65	0.66	1200
HT-MP-60	60	650	1400	83	26.50	0.56	750
HT-MP-80	80	470	1900	87	6.55	0.86	900



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3. Low Pressure Series

Item	Filtering Precision (µm)	Bubble Point Pressure (Pa)	Air Permeability (L/min/dm ²)	Porosity (%)	Dirt Holding Capacity (mg/cm ²)	Thickness (mm)	Weight (g/m ²)
HT-LP-5	5	6100	45	86	11.65	0.84	900
HT-LP-10	10	3450	105	85	17.23	0.76	900
HT-LP-12	12	3100	118	85	/	0.85	1000
HT-LP-15	15	2400	205	85	19.00	0.76	900
HT-LP-20	20	1700	325	86	21.55	0.79	900
HT-LP-25	25	1475	500	86	17.35	0.80	900
HT-LP-30	30	1250	560	86	19.15	0.80	900
HT-LP-40	40	900	650	86	28.25	0.80	900

4. Economic Type Series

Item	Filtering Precision (µm)	Bubble Point Pressure (Pa)	Air Permeability (L/min/dm ²)	Thickness (mm)	Weight (g/m ²)
HT-ET-5	5	7500	35	0.37	600
HT-ET-10	10	3500	115	0.34	600
HT-ET-15	15	2450	175	0.38	600
HT-ET-20	20	1850	280	0.44	700
HT-ET-25	25	1450	430	0.44	700
HT-ET-30	30	1200	480	0.44	700
HT-ET-40	40	925	800	0.47	750



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5. Single Structure Series

Item	Filtering Precision (μm)	Bubble Point Pressure (Pa)	Air Permeability ($\text{L}/\text{min}/\text{dm}^2$)	Porosity (%)	Dirt Holding Capacity (mg/cm^2)	Thickness (mm)	Weight (g/m^2)
HT-SS-5	5	7000	45	79	5.40	0.18	300
HT-SS-10	10	3700	125	81	4.20	0.20	300
HT-SS-15	15	2450	250	78	4.20	0.17	300
HT-SS-20	20	1850	400	80	5.40	0.19	300
HT-SS-40	40	950	1100	84	8.95	0.23	300
HT-SS-60	59	630	1700	75	11.90	0.15	300

Remarks:

1. Bubble point pressure inspection implements the ISO 4003 standard.
2. Average air permeability inspection implements the ISO 4022 standards; the pressure difference is 200Pa.
3. Dirt holding capacity inspection implements the ISO16889 standards; the pressure reduction is 8 times of the initial pressure reduction.
4. Protective mesh (40/48 meshes) can be added on one or two sides of the felt.

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