

Quality Filter Media for Surface Treatment

Selection criteria for choosing the right filter medium

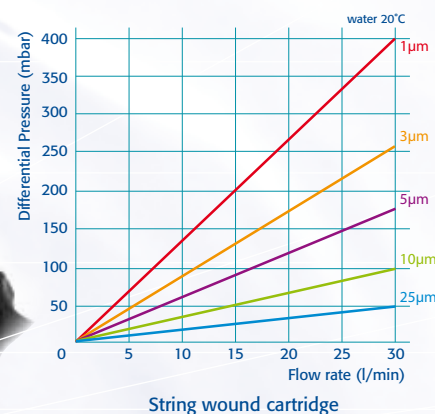
- Type of liquid
- pH
- Temperature
- Tank volume
- Clean filter flow rate
- Filter area (2 x area = 4 x life)
- Micron rating
- Carbon purification

Sources of contamination

- Products to be plated
- Anodes
- Environ dust
- Air agitation
- Drag in
- Flight bars
- Cathode contacts
- Addition of plating chemicals
- Organic breakdown products of brighteners

Elements affecting filtration cost

- Initial price of filter housing
- Buying price of filter medium
- Lifetime of filter medium
- Labour cost periodic change/cleaning



Filter media

	1 Cartridges	2 Discs	3 Bags	4 Micro fibers
Types	- String wound - Spunbonded - Pleated - Carbon	- Filter paper - Filter cloth - Carbon paper	- GAF-style filter bag - Customized filter bag - Carbon bag	- SP (Spaghetti) Absorbs non emulsified oil out of emulsified cleaners - AH (Angel hair) For filtration of Sn4+
Style	- Nominal or absolutely rated - Double or Single Open End - PP, Polyester - All micron ratings	- All diameters - Thin or thick paper - Cellulose, PP/Polyester	- Two sizes (ø 4" and 7") - Single or double length - PP, Polyester felt - All micron ratings	
Features	- True depth filtration - Easy change - Large variety	- Large filter surface - Low media cost	- Large dirt holding capacity - Easy bag change	- Absorbs 6-8 times its own weight - Large sludge holding capacity - Can be reused

1 Cartridges

Type	Code	Medium	Code	Length	Box qty	Core	Code	µm	Code	Endcap	Code
Wound	W	PP (washed)	W	9¾"	40	PP	P	0,5 - 1 - 5		DOE	-
		Polyester	L	10"	40	PES	L	10 - 25			-
				20"	20	SS	S	50 - 100			-
				30"	20						-
Spunbonded	S	PP	N	9¾"	40					DOE	-
				10"	40						-
				20"	20						-
Pleated (absolutely rated)	P	PP	A	9¾"	35	PP	P	0,5 - 1		DOE	-
				10"	35			5 - 10		C3	C3
				20"	17						-
Carbon (10": carbon contents 230 g)	C	PP	E	10"	35	PP	P	25		DOE	-
				20"	17					C3	C3
				30"	17						-

C3 = Single Open End
with double O-ring

Selection example: **W - W - 10 - P - 25**

2 Discs

Paper 0,3 mm 90 g/m ² Cel, 10 µm					Paper 1 mm 375 g/m ² Cel, 1-3 µm				Carbon paper 0,5 mm 160 g/m ² Cel/Car, 5 µm				Cloth PP		
Size	Pack Qty	Box			Pack Qty	Box			Pack Qty	Box			pack qty 100		
		Qty	cm	kg		Qty	cm	kg		Qty	cm	kg	mm	g/m ²	µm
136x32	600	2400	32x32x42	3	400	3600	43x43x45	19	200	7200	43x43x45	19	1	400	10
180x32	500	4000	43x43x45	9	400	1600	43x43x45	15	200	3200	43x43x45	13	0,75	240	40-60
195x60	500	4000	43x43x45	10	400	1600	43x43x45	16	200	3200	43x43x45	15			
205x32	500	4000	43x43x45	12	400	1600	43x43x45	19	200	3200	43x43x45	17			
210x60	500	4000	43x43x45	11	400	1600	43x43x45	19	200	3200	43x43x45	18			
215x32	500	4000	43x43x45	13	400	1600	43x43x45	21	200	3200	43x43x45	19			
258x40	500	4000	52x52x53	18	400	1600	52x52x53	31	200	4000	52x52x53	34			
280x50	500	1000	32x32x42	5	200	400	32x32x42	9	200	800	32x32x42	8			
294x64	500	1000	32x32x42	6	200	400	32x32x42	10	200	800	32x32x42	9			
295x50	500	1000	32x32x42	6	200	400	32x32x42	10	200	800	32x32x42	9			
350x60	500	1000	43x43x45	8	200	400	43x43x45	14	200	800	43x43x45	12			
460x100	400	1200	52x52x53	17	125	500	52x52x53	30	125	625	52x52x53	27			
470x60	400	1200	52x52x53	18	125	500	52x52x53	32	125	625	52x52x53	28			

Selection example: **295x50 - 90 g/m²**

Carbon contents 20-25%

3 Bags

Bags with flow inside > outside					Bags with flow outside > inside					Carbon bags					
Type	Mat	L(mm)	Ø	µm	Type	Mat	Size	m ²	µm	Type	Mat	Size	HxØ(mm)	Liter	µm
3B1	PP	230	100	1..100	31-D	PP	10"	0,4	40-60	31-C	PP	10"	500x175	4	150
3B2	PP	380	100	1..100	32-D	PP	20"	0,7	40-60	32-C	PP	20"	760x175	12	150
7B1	PP	430	180	1..100	71-D	PP	10"	0,8	40-60	71-C	PP	10"	500x230	8	150
7B2	PP	810	180	1..100	72-D	PP	20"	1,4	40-60	72-C	PP	20"	760x230	23	150
					151-D	PP	10"	1,3	40-60	151-C	PP	10"	500x320	15	150
					152-D	PP	20"	2,4	40-60	152-C	PP	20"	760x320	45	150

Pack quantity for all bags = 1

4 Micro fibers

Type	Mat	Pack qty
SP	PP	4 or 50 kg
AH	PP	5 kg