

## Quality Filter Media for Surface Treatment

### Selection criteria for choosing the right filter medium

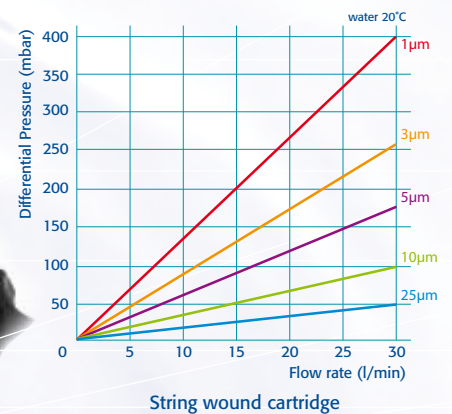
- Type of liquid
- pH
- Temperature
- Tank volume
- Clean filter flow rate
- Filter area (2 x area = 4 x life)
- Micron rating
- Carbon purification

### 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
<b>Types</b>	- 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+
<b>Style</b>	- 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	
<b>Features</b>	- 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	<b>W</b>	PP (washed)	<b>W</b>	9¾"	50	PP	<b>P</b>	<b>0,5 - 1 - 5</b>	DOE	-	
		Polyester	<b>L</b>	10"	50	PES	<b>L</b>	<b>10 - 25</b>	-	-	
				20"	25	SS	<b>S</b>	<b>50 - 100</b>	-	-	
				30"	25					-	-
Spunbonded	<b>S</b>	PP	<b>N</b>	9¾"	40				DOE	-	
				10"	40					-	-
				20"	20					-	-
Pleated (absolutely rated)	<b>P</b>	PP	<b>A</b>	9¾"	35	PP	<b>P</b>	<b>0,5 - 1</b>	DOE	-	
				10"	35			<b>5 - 10</b>	C3	<b>C3</b>	
				20"	18					-	-
Carbon Block (10": carbon contents 350 g)	<b>C</b>	PP	<b>CB</b>	10"	20	PP	<b>P</b>	<b>5</b>	DOE	-	
				20"	10				C3	<b>C3</b>	
				30"	10					-	-

C3 = Single Open End with double O-ring

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

## 2 Discs

Paper 0,3 mm 90 g/m <sup>2</sup> Cel, 10 µm					Paper 1 mm 375 g/m <sup>2</sup> Cel, 1-3 µm				Carbon paper 0,5 mm 160 g/m <sup>2</sup> 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 <sup>2</sup>	µm
<b>136x32</b>	500	9000	32x32x42	3	200	3600	43x43x45	19	200	3200	43x43x45	19	1	<b>400</b>	10
<b>180x32</b>	500	4000	43x43x45	9	200	800	43x43x45	15	100	3200	43x43x45	13	0,75	<b>240</b>	40-60
<b>195x60</b>	500	4000	43x43x45	10	200	800	43x43x45	16	100	4000	43x43x45	15			
<b>205x32</b>	500	4000	43x43x45	12	200	800	43x43x45	19	200	3200	43x43x45	17			
<b>210x60</b>	500	4000	43x43x45	11	400	1600	43x43x45	19	200	3200	43x43x45	18			
<b>215x32</b>	500	4000	43x43x45	13	200	1600	43x43x45	21	200	3200	43x43x45	19			
<b>258x40</b>	250	1000	52x52x53	18	400	1600	52x52x53	31	200	4000	52x52x53	34			
<b>280x50</b>	500	1000	32x32x42	5	200	400	32x32x42	9	200	800	32x32x42	8			
<b>294x64</b>	500	1000	32x32x42	6	200	400	32x32x42	10	200	800	32x32x42	9			
<b>295x50</b>	500	1000	32x32x42	6	200	400	32x32x42	10	100	1000	32x32x42	9			
<b>350x60</b>	500	1000	43x43x45	8	200	400	43x43x45	14	100	1000	43x43x45	12			
<b>460x100</b>	400	1200	52x52x53	17	125	500	52x52x53	30	100	500	52x52x53	27			
<b>470x60</b>	400	1200	52x52x53	18	125	1000	52x52x53	32	100	500	52x52x53	28			

Selection example: **295x50 - 90 g/m<sup>2</sup>**

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 <sup>2</sup>	µm	Type	Mat	Size	HxØ(mm)	Liter	µm
<b>3B1</b>	PP	230	100	1..100	<b>31-D</b>	PP	10"	0,4	40-60	<b>31-C</b>	PP	10"	500x175	4	150
<b>3B2</b>	PP	380	100	1..100	<b>32-D</b>	PP	20"	0,7	40-60	<b>32-C</b>	PP	20"	760x175	12	150
<b>7B1</b>	PP	430	180	1..100	<b>71-D</b>	PP	10"	0,8	40-60	<b>71-C</b>	PP	10"	500x230	8	150
<b>7B2</b>	PP	810	180	1..100	<b>72-D</b>	PP	20"	1,4	40-60	<b>72-C</b>	PP	20"	760x230	23	150
					<b>151-D</b>	PP	10"	1,3	40-60	<b>151-C</b>	PP	10"	500x320	15	150
					<b>152-D</b>	PP	20"	2,4	40-60	<b>152-C</b>	PP	20"	760x320	45	150

Pack quantity for all bags = 1

## 4 Micro fibers

Type	Mat	Pack qty
<b>SP</b>	PP	5 kg
<b>AH</b>	PP	5 kg