

## Comparison of different systems offered for electroplating baths

(using a 20" chamber diameter 195 mm)

### Comparison parameters

1. Filtration surface area – the HIGHER the better!
2. Retention capacity – the HIGHER the better!
3. Pressure drop – the LOWER the better! (A low pressure drop enables a proper rotation rate of the bath: efficient use of the pumping system)
4. Filtration efficiency the HIGHER the better! – (expressed in percentage it indicates the particles proportion caught by the cartridge)
5. Maintenance time - the LOWER the better! (higher time means more downtime and labour)

Technology	Filtration surface area	Sludge Retention capacity (max)	Initial pressure loss at 10m <sup>3</sup> /h	Filtration Efficiency	Loading / changing time
7 cartridges 20" Standard depth	NA	1.1 kg Medium	0.15 bar Medium	50 – 70% Low – medium	8 minutes Medium
Paper for plates – 64 plates	1,44 m <sup>2</sup> Lower	0.6 kg Low	0.3 bar High	60 – 75% Medium – low	20 minutes High
<b>L-TECH</b> large area washable and reusable cartridges	<b>5.0 m<sup>2</sup></b> <b>Highest</b>	<b>4.7 kg</b> <b>Highest</b>	<b>0.05 bar</b> <b>Lowest</b>	<b>93 – 99%</b> <b>Highest</b>	<b>5 min</b> <b>Lowest</b>

**Thus, the washable and re-usable cartridges offer many more advantages compared to conventional plates + paper / standard cartridges moulded or wound.**