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# ELECTROLAC

Electrophoretic lacquer

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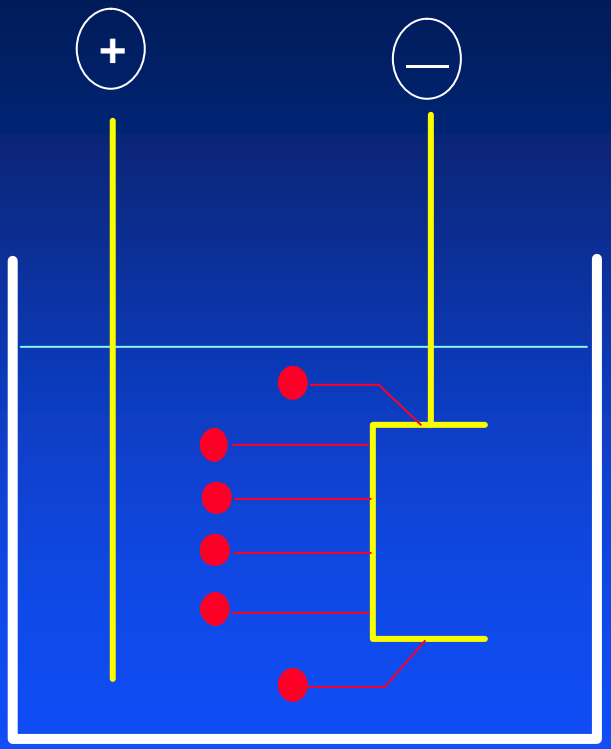
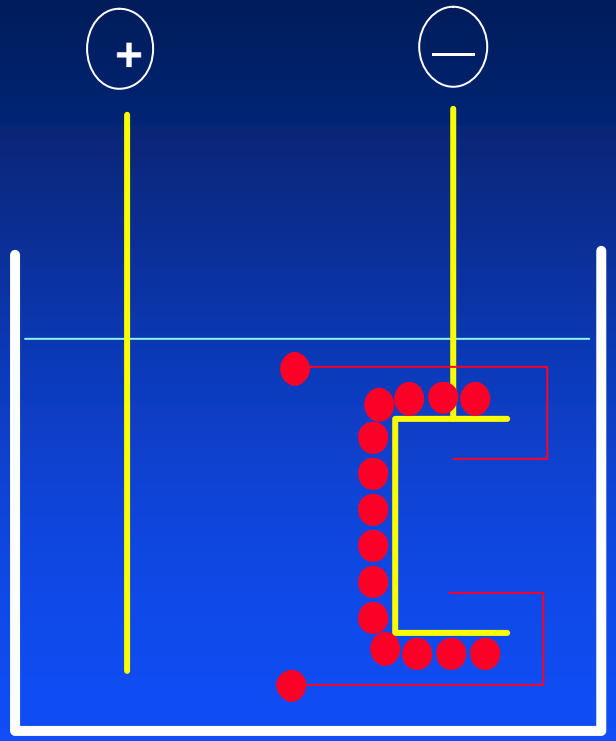
# ELECTROLAC




Throwing power

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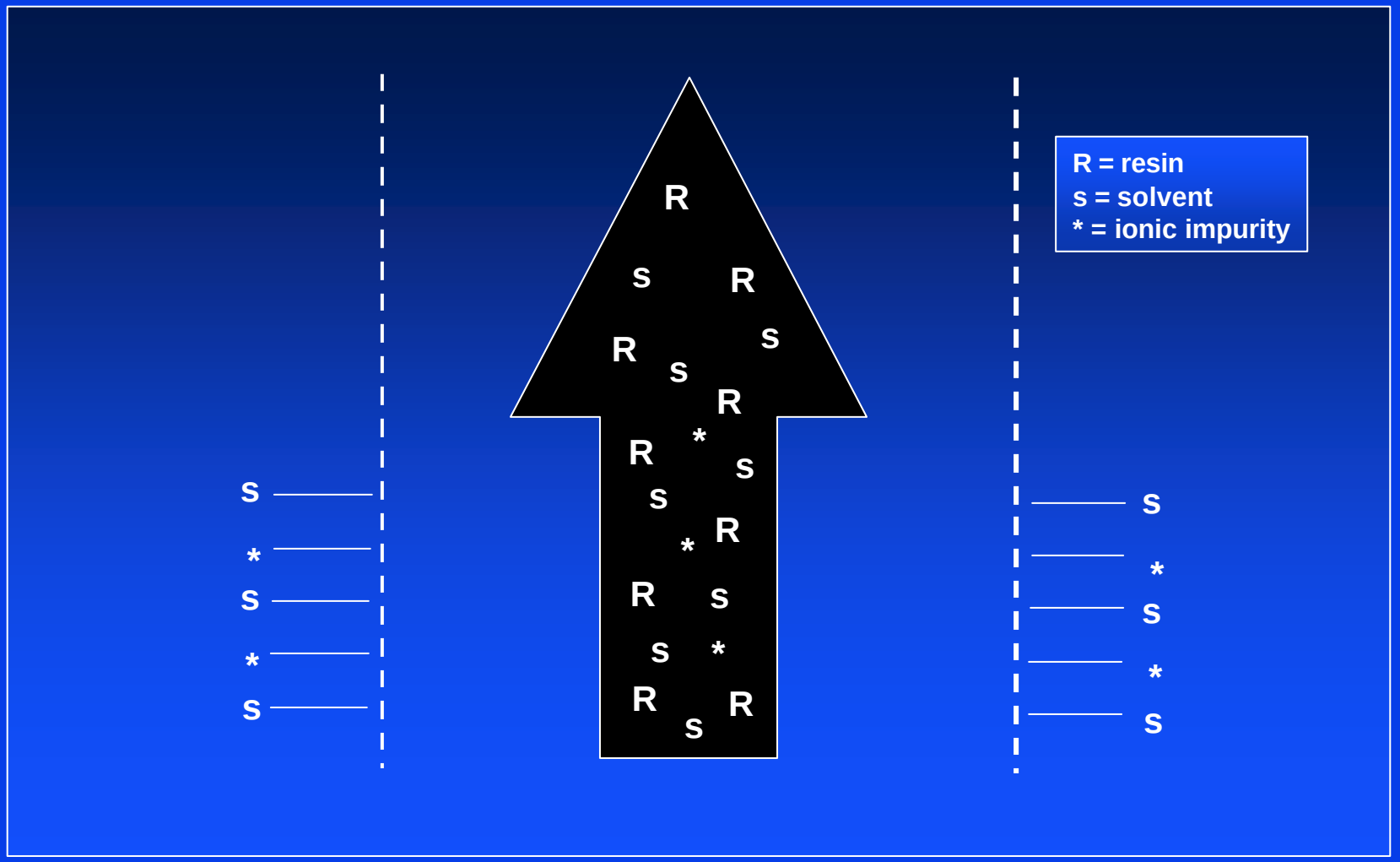
# ULTRAFILTRATION



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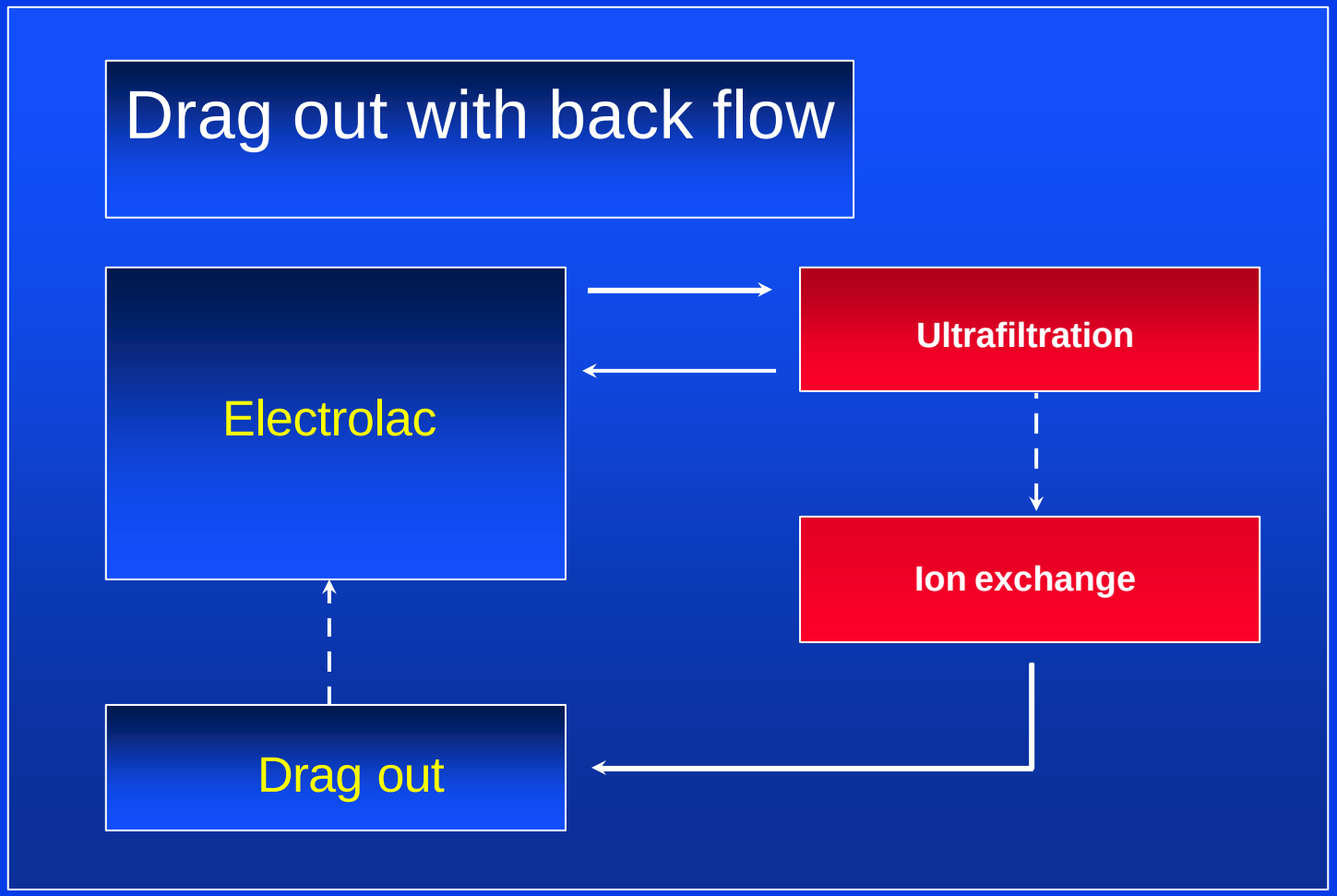
# ELECTROLAC PROCESS



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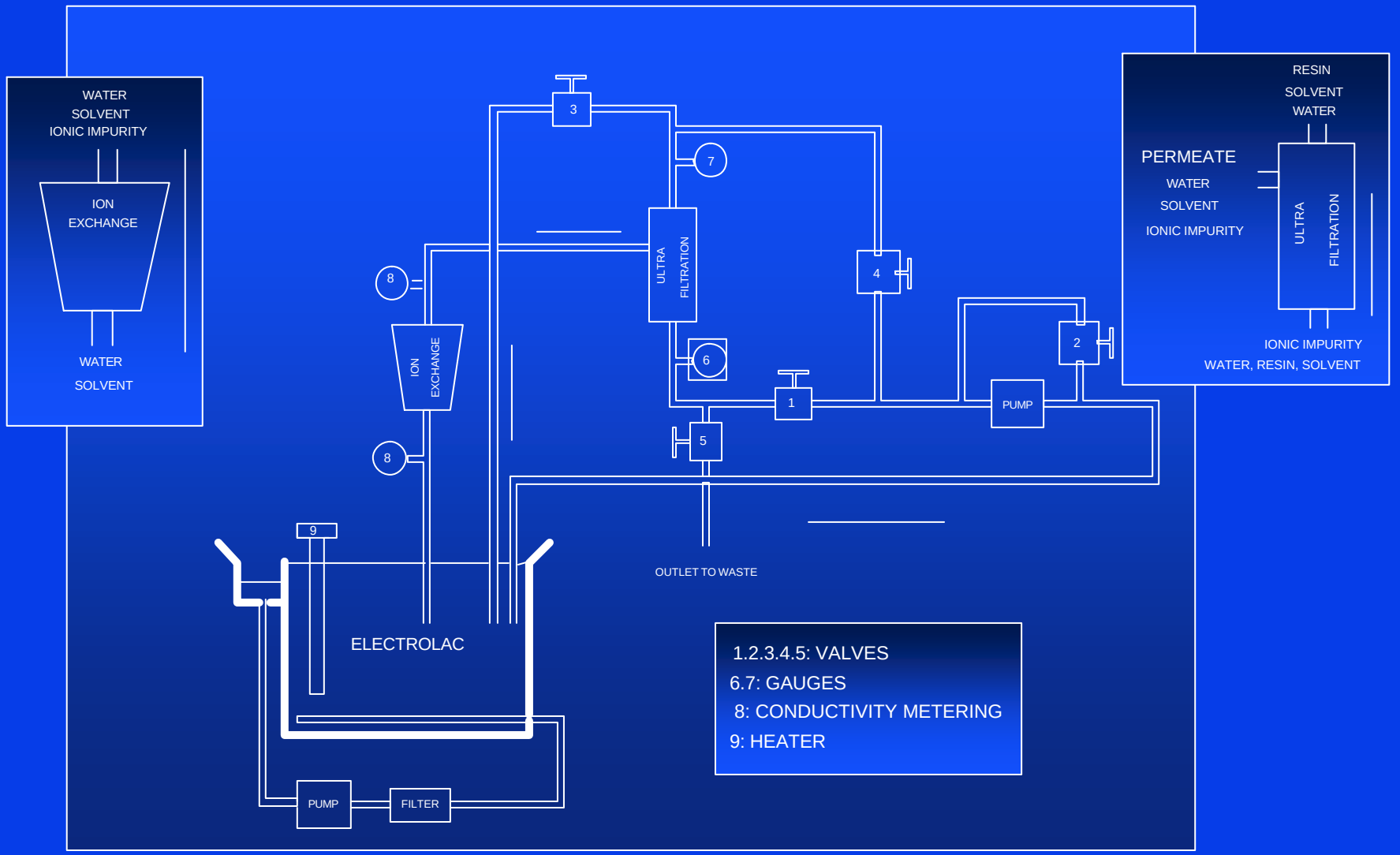
# ELECTROLAC PLANT LAYOUT

## Permeate return direct to Electrolac tank



# FEATURES AND BENEFITS

- Low curing temperature
- Even coating on large flat surfaces
- Good range of dyes available
- Excellent hard, glossy finish

- In line
- Uniform coverage
- Complex shapes
- ‘Run’ and tear free
- No blocking of small apertures
- Water based

# ADVANTAGES OF ELECTROLAC

| | |
|---|---|
| **Water based:** | **Replaces flammable solvent systems** |
| **Clarity:** | **Probably the clearest of all** |
| **Easy to let down:** | **It is thin and mixes so easily with water** |
| **Long term stability:** | **In the tank: can be worked hard or left for many months without use and started up again** |

# ADVANTAGES OF ELECTROLAC

| | |
|---|---|
| **Stable/Economical:** | **For use with closed loop rinses giving large savings to the user** |
| **Easy to run and: Predictable** | **By carrying out simple measurements and analysis the Electrolac can be run for years by keeping within the operating parameters** |

# ADVANTAGES OF ELECTROLAC

| | |
|---|---|
| **Low Stoving:** | **Probably the lowest stoving of all: 150°C (Or even 145°C). Helping to avoid blistering of castings and cost saving** |
| **Non Yellowing:** | **Superior urethane - acrylate technology gives over 2000 hours "Q.U.V" (water + U.V.) without yellowing on silver!** |

# ADVANTAGES OF ELECTROLAC

**Corrosion Resistant:** 900 hours neutral salt spray on polished, passivated brass can be achieved

**Smooth, even coatings:** Coats out well over large flat areas

**Any metal:** Electrolac is cathodic and can be used on any conductive metal surface. For example: does not discolour brass, copper or silver

# ADVANTAGES OF ELECTROLAC

| | |
|---|---|
| **Drip free:** | **Smooth even coatings without drips** |
| **Hard:** | **Pencil hardness when stoved is 4H-5H** |
| **Solvent Resistant:** | **Acetone, MEK and many other solvents apart from methylene chloride** |
| **Colour:** | **Can be coloured with many different dyes by simple dip process** |

# ADVANTAGES OF ELECTROLAC

- Designed for smooth clear or coloured coatings up to about 10 microns.
- Figures quoted refer to a medium coating of about 7 microns dry thickness.