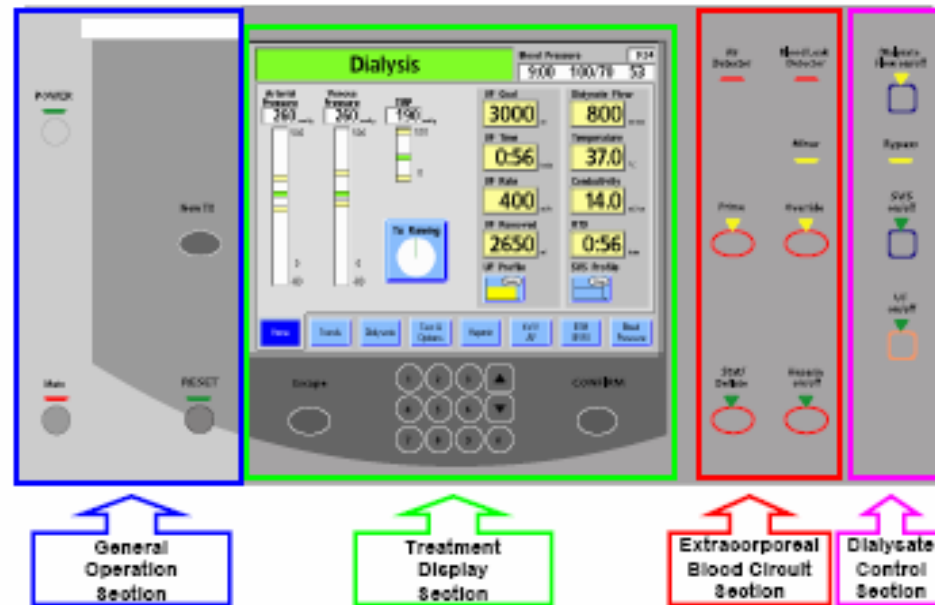


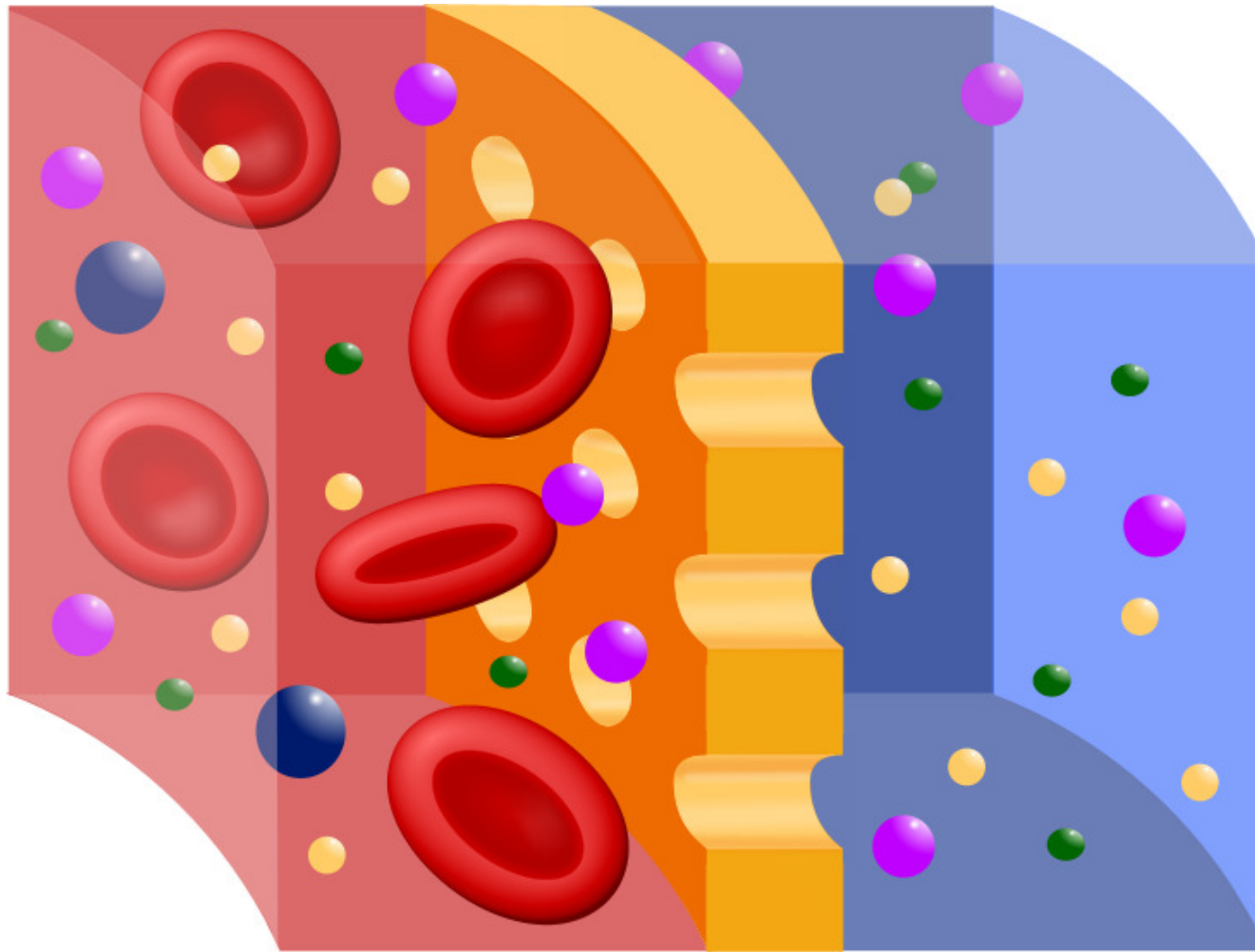
# Hemodialysis

# Hemodialysis Machine

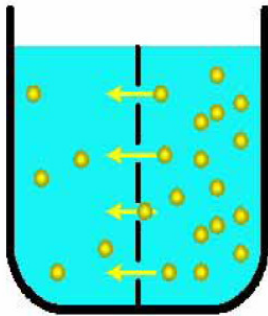


- The Components of the Control Panel

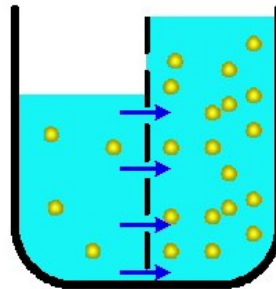
# Filter



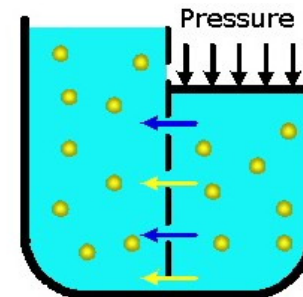
# Mass Transfer



**Diffusion**  
(Solvent moves by  
concentration gradient)

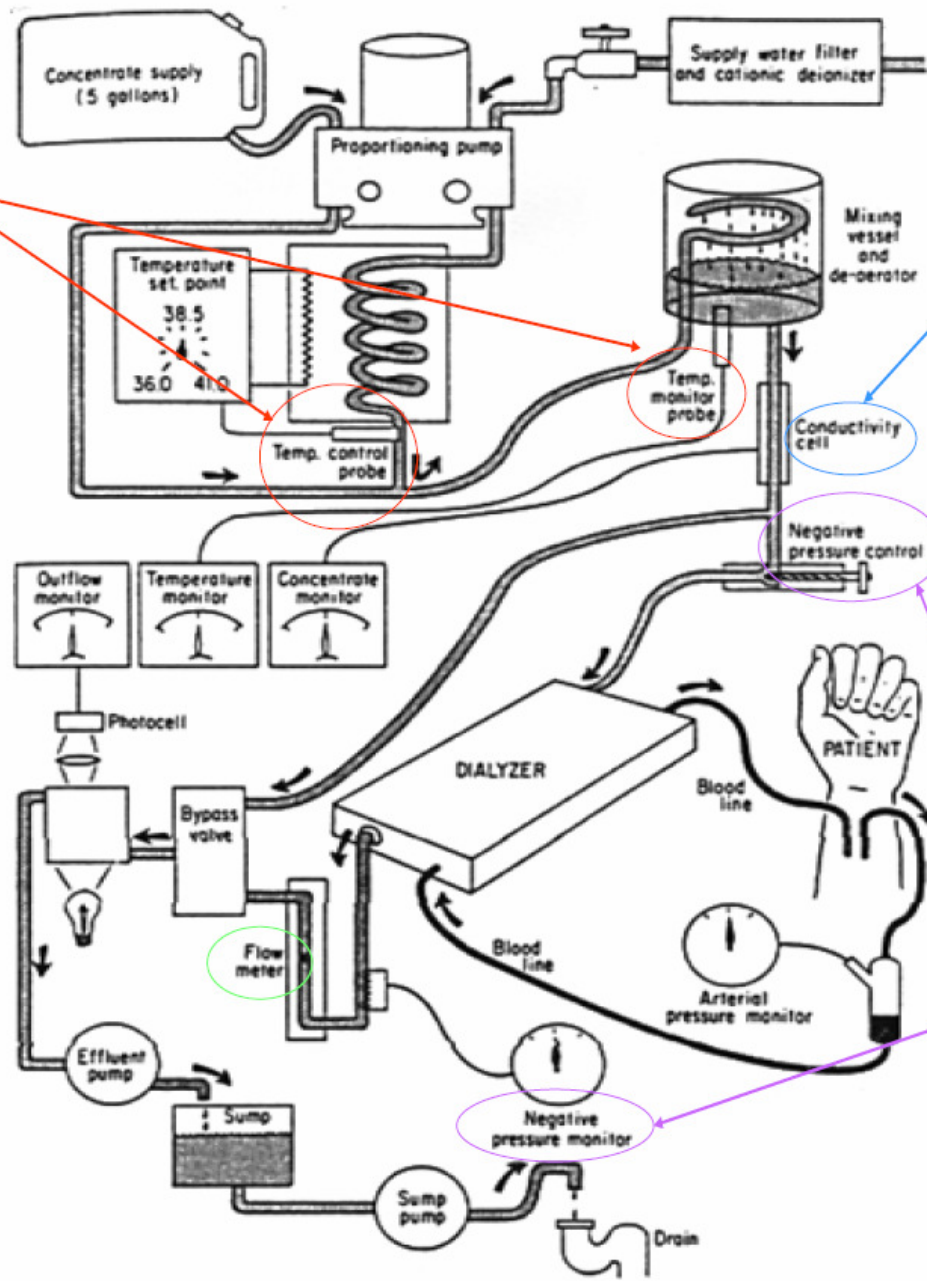


**Osmosis**  
(Water moves by  
concentration gradient)



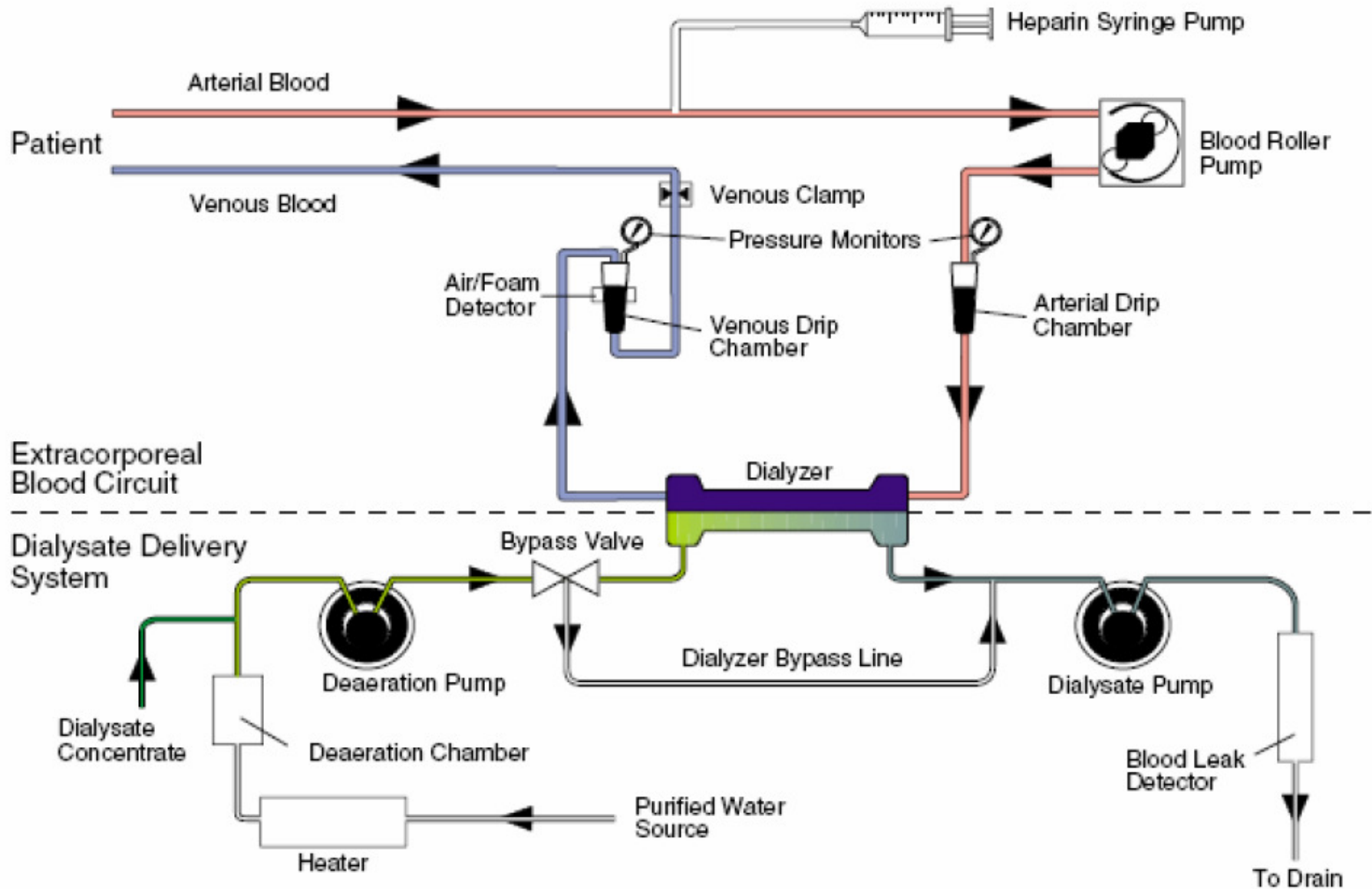
**Ultrafiltration**  
(Solution moves by  
pressure gradient)

Temperature probe



Conductivity monitor

Pressure monitor



# Components

- Temperature Control
- Conductivity Control
- Flow Control
- TMP Control
- Blood Flow Control
- Safety
- Water treatment