

Making a Difference with High-flux hemodialysis



WEGO
THE BLOOD PURIFICATION EXPERT



WEGO Healthcare (ShenZhen)
Clinical Dep. 2022.11.08

www.wego-healthcare.com/en

>> High Flux Series

Hollow Fiber Dialyzer

China's Largest
Independent Manufacturer
of Spinning Dialyzer

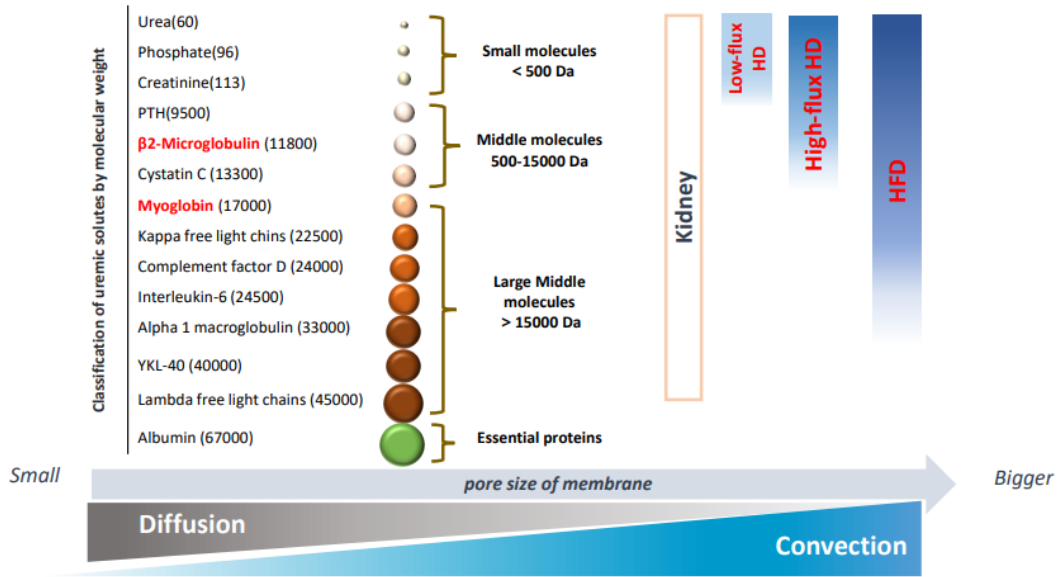


POLYSULFONE (PSU)

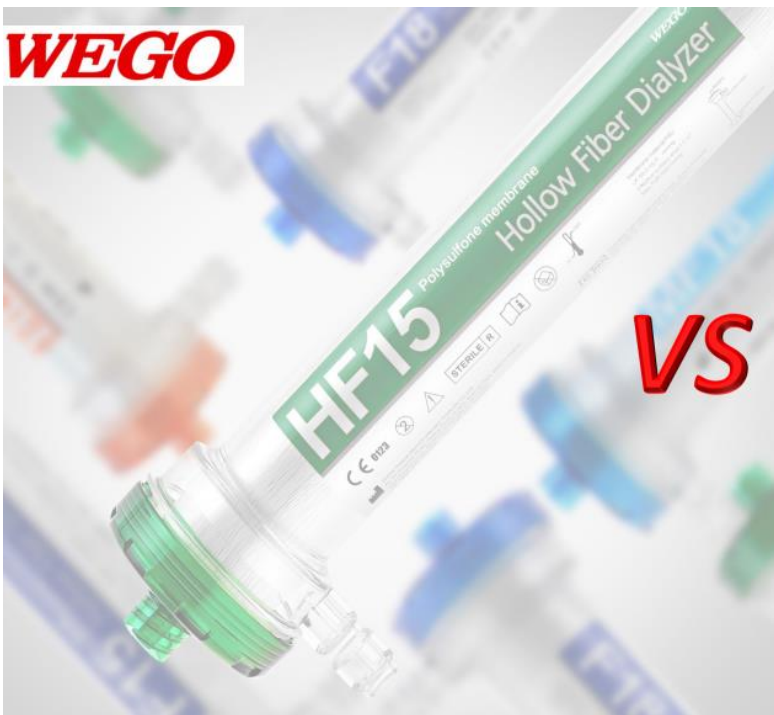


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Hemodialysis modalities and toxin removal



“ Medium - larger urea toxins (such as β2-microglobulin) can only be removed by high-flux dialysis, HDF, or HF.”



WEGO Product Performance – High flux comparison

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VS



| Brand | Model | Surface area (m ²) | 200mL/min Qb | | | | 300mL/min Qb | | | | UFR | Blood Chamber Volume | Sterilization |
|-----------|-------|--------------------------------|--------------|------------|-----------|-------------|--------------|------------|-----------|-------------|-----|----------------------|---------------|
| | | | Urea | Creatinine | Phosphate | Vitamin B12 | Urea | Creatinine | Phosphate | Vitamin B12 | | | |
| WEGO | HF15 | 1.50 | 194 | 188 | 189 | 137 | 278 | 255 | 244 | 154 | 52 | 75 | γ Ray |
| Fresenius | FX60 | 1.40 | 193 | 182 | 177 | 135 | 261 | 230 | 220 | 155 | 46 | 74 | Steam |
| | | Parameter Difference | 1 | 6 | 12 | 2 | 17 | 25 | 24 | -1 | 6 | 1 | |

| Sieving Coefficient | Fresenius FX Class | WEGO |
|---------------------|--------------------|--------|
| β2-MG | 0.8 | 0.8 |
| Myohemoglobin | N/A | 0.35 |
| Inulin | 1 | 0.95 |
| Albumin | <0.001 | <0.003 |



VS



| Brand | Model | Surface area (m ²) | 200mL/min Qb | | | | 300mL/min Qb | | | | UFR | Blood Chamber Volume | Sterilization |
|-----------|-------|--------------------------------|--------------|------------|-----------|-------------|--------------|------------|-----------|-------------|-----|----------------------|---------------|
| | | | Urea | Creatinine | Phosphate | Vitamin B12 | Urea | Creatinine | Phosphate | Vitamin B12 | | | |
| WEGO | HF18 | 1.80 | 197 | 194 | 192 | 151 | 284 | 270 | 266 | 173 | 63 | 92 | γ Ray |
| Fresenius | FX80 | 1.80 | 197 | 189 | 185 | 148 | 276 | 250 | 239 | 175 | 59 | 95 | Steam |
| | | Parameter Difference | 0 | 5 | 7 | 3 | 8 | 20 | 27 | -2 | 4 | -3 | |

| Sieving Coefficient | Fresenius FX Class | WEGO |
|---------------------|--------------------|--------|
| β2-MG | 0.8 | 0.8 |
| Myohemoglobin | N/A | 0.35 |
| Inulin | 1 | 0.95 |
| Albumin | <0.001 | <0.003 |



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| Brand | Model | Surface area (m ²) | 200mL/min Qb | | | | 300mL/min Qb | | | | UFR | Blood Chamber Volume | Sterilization |
|---------|--------|--------------------------------|--------------|------------|-----------|-------------|--------------|------------|-----------|-------------|-----|----------------------|---------------|
| | | | Urea | Creatinine | Phosphate | Vitamin B12 | Urea | Creatinine | Phosphate | Vitamin B12 | | | |
| WEGO | HF15 | 1.5 | 194 | 188 | 189 | 137 | 278 | 255 | 244 | 154 | 52 | 75 | γ Ray |
| B.Braun | HIPS15 | 1.5 | 190 | 178 | 176 | 127 | 245 | 224 | 220 | 148 | 50 | 90 | γ Ray |
| | | Parameter Difference | 4 | 10 | 13 | 10 | 33 | 31 | 24 | 6 | 2 | -15 | |

| Sieving Coefficient | B.Braun Diacap | WEGO |
|---------------------|----------------|--------|
| β2-MG | 0.8 | 0.8 |
| Myohemoglobin | N/A | 0.35 |
| Inulin | 1 | 0.95 |
| Albumin | <0.005 | <0.003 |



| Brand | Model | Surface area (m ²) | 200mL/min Qb | | | | 300mL/min Qb | | | | UFR | Blood Chamber Volume | Sterilization |
|---------|--------|--------------------------------|--------------|------------|-----------|-------------|--------------|------------|-----------|-------------|-----|----------------------|---------------|
| | | | Urea | Creatinine | Phosphate | Vitamin B12 | Urea | Creatinine | Phosphate | Vitamin B12 | | | |
| WEGO | HF18 | 1.8 | 197 | 194 | 192 | 151 | 284 | 270 | 266 | 173 | 63 | 92 | γ Ray |
| B.Braun | HIPS18 | 1.8 | 192 | 182 | 180 | 137 | 250 | 228 | 224 | 160 | 55 | 110 | γ Ray |
| | | Parameter Difference | 5 | 12 | 12 | 14 | 34 | 42 | 42 | 13 | 8 | -18 | |

| Sieving Coefficient | B.Braun Diacap | WEGO |
|---------------------|----------------|--------|
| β2-MG | 0.8 | 0.8 |
| Myohemoglobin | N/A | 0.35 |
| Inulin | 1 | 0.95 |
| Albumin | <0.005 | <0.003 |



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VS



| Brand | Model | Surface area (m ²) | 200mL/min Qb | | | | 300mL/min Qb | | | | UFR | Blood Chamber Volume | Sterilization |
|-------|------------|--------------------------------|--------------|------------|-----------|-------------|--------------|------------|-----------|-------------|-----|----------------------|---------------|
| | | | Urea | Creatinine | Phosphate | Vitamin B12 | Urea | Creatinine | Phosphate | Vitamin B12 | | | |
| WEGO | HF15 | 1.5 | 194 | 188 | 189 | 137 | 278 | 255 | 244 | 154 | 52 | 75 | γ Ray |
| Nipro | Elisio 15H | 1.5 | 198 | 196 | 184 | 150 | 278 | 259 | 241 | 180 | 67 | 95 | γ Ray |
| | | Parameter Difference | -4 | -8 | 5 | -13 | 0 | -4 | 3 | -26 | -15 | -20 | |

| Sieving Coefficient | Nipro Elisio H | WEGO |
|---------------------|----------------|---------|
| β2-MG | N/A | 0.8 |
| Myohemoglobin | 0.223 | 0.35 |
| Inulin | 0.926 | 0.95 |
| Albumin | 0.002 | < 0.003 |



VS



| Brand | Model | Surface area (m ²) | 200mL/min Qb | | | | 300mL/min Qb | | | | UFR | Blood Chamber Volume | Sterilization |
|-------|------------|--------------------------------|--------------|------------|-----------|-------------|--------------|------------|-----------|-------------|-----|----------------------|---------------|
| | | | Urea | Creatinine | Phosphate | Vitamin B12 | Urea | Creatinine | Phosphate | Vitamin B12 | | | |
| WEGO | HF18 | 1.8 | 197 | 194 | 192 | 151 | 284 | 270 | 266 | 173 | 63 | 92 | γ Ray |
| Nipro | Elisio 17H | 1.7 | 198 | 197 | 188 | 157 | 285 | 268 | 254 | 190 | 74 | 105 | γ Ray |
| | | Parameter Difference | -1 | -3 | 4 | -6 | -1 | 2 | 12 | -17 | -11 | -13 | |

| Sieving Coefficient | Nipro Elisio H | WEGO |
|---------------------|----------------|---------|
| β2-MG | N/A | 0.8 |
| Myohemoglobin | 0.223 | 0.35 |
| Inulin | 0.926 | 0.95 |
| Albumin | 0.002 | < 0.003 |



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VS



| Brand | Model | Surface area (m ²) | 200mL/min Qb | | | | 300mL/min Qb | | | | UFR | Blood Chamber Volume | Sterilization |
|-----------|---------------|--------------------------------|--------------|------------|-----------|-------------|--------------|------------|-----------|-------------|-----|----------------------|---------------|
| | | | Urea | Creatinine | Phosphate | Vitamin B12 | Urea | Creatinine | Phosphate | Vitamin B12 | | | |
| WEGO | HF15 | 1.5 | 194 | 188 | 189 | 137 | 278 | 255 | 244 | 154 | 52 | 75 | γ Ray |
| Serumwerk | VitaPES 150HF | 1.5 | 196 | 188 | 182 | 147 | 271 | 246 | 232 | 173 | 60 | 89 | Radiation |
| | | Parameter Difference | -2 | 0 | 7 | -10 | 7 | 9 | 12 | -19 | -8 | -14 | |

| Sieving Coefficient | Serumwerk | WEGO |
|---------------------|-----------|--------|
| β2-MG | 0.8 | 0.85 |
| Myohemoglobin | N/A | 0.35 |
| Inulin | 1 | 0.95 |
| Albumin | <0.01 | <0.003 |



VS



| Brand | Model | Surface area (m ²) | 200mL/min Qb | | | | 300mL/min Qb | | | | UFR | Blood Chamber Volume | Sterilization |
|-----------|---------------|--------------------------------|--------------|------------|-----------|-------------|--------------|------------|-----------|-------------|-----|----------------------|---------------|
| | | | Urea | Creatinine | Phosphate | Vitamin B12 | Urea | Creatinine | Phosphate | Vitamin B12 | | | |
| WEGO | HF18 | 1.8 | 197 | 194 | 192 | 151 | 284 | 270 | 266 | 173 | 63 | 92 | γ Ray |
| Serumwerk | VitaPES 170HF | 1.7 | 197 | 191 | 184 | 151 | 276 | 254 | 238 | 185 | 67 | 99 | Radiation |
| | | Parameter Difference | 0 | 3 | 8 | 0 | 8 | 16 | 28 | -12 | -4 | -7 | |

| Sieving Coefficient | Serumwerk | WEGO |
|---------------------|-----------|--------|
| β2-MG | 0.8 | 0.85 |
| Myohemoglobin | N/A | 0.35 |
| Inulin | 1 | 0.95 |
| Albumin | <0.01 | <0.003 |



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| Brand | Model | Surface area (m ²) | 200mL/min Qb | | | | 300mL/min Qb | | | | UFR | Blood Chamber Volume | Sterilization |
|--------|---------------|--------------------------------|--------------|------------|-----------|-------------|--------------|------------|-----------|-------------|-----|----------------------|---------------|
| | | | Urea | Creatinine | Phosphate | Vitamin B12 | Urea | Creatinine | Phosphate | Vitamin B12 | | | |
| WEGO | HF15 | 1.5 | 194 | 188 | 189 | 137 | 278 | 255 | 244 | 154 | 52 | 75 | γ Ray |
| Baxter | Polyflux 140H | 1.4 | 193 | 181 | 174 | 128 | 262 | 232 | 220 | 149 | 60 | 94 | Steam |
| | | Parameter Difference | 1 | 7 | 15 | 9 | 16 | 23 | 24 | 5 | -8 | -19 | |

| Sieving Coefficient | Baxter Polyflux | WEGO |
|---------------------|-----------------|--------|
| β2-MG | 0.7 | 0.8 |
| Myohemoglobin | N/A | 0.35 |
| Inulin | 1 | 0.95 |
| Albumin | <0.01 | <0.003 |



| Brand | Model | Surface area (m ²) | 200mL/min Qb | | | | 300mL/min Qb | | | | UFR | Blood Chamber Volume | Sterilization |
|--------|---------------|--------------------------------|--------------|------------|-----------|-------------|--------------|------------|-----------|-------------|-----|----------------------|---------------|
| | | | Urea | Creatinine | Phosphate | Vitamin B12 | Urea | Creatinine | Phosphate | Vitamin B12 | | | |
| WEGO | HF18 | 1.8 | 197 | 194 | 192 | 151 | 284 | 270 | 266 | 173 | 63 | 92 | γ Ray |
| Baxter | Polyflux 170H | 1.7 | 196 | 186 | 180 | 137 | 270 | 243 | 232 | 162 | 70 | 115 | Steam |
| | | Parameter Difference | 1 | 8 | 12 | 14 | 14 | 27 | 34 | 11 | -7 | -23 | |

| Sieving Coefficient | Baxter Polyflux | WEGO |
|---------------------|-----------------|--------|
| β2-MG | 0.7 | 0.8 |
| Myohemoglobin | N/A | 0.35 |
| Inulin | 1 | 0.95 |
| Albumin | <0.01 | <0.003 |



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Thank You for Attention

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