

# HISTOCORE PEGASUS

## DUAL RETORT TISSUE PROCESSOR

### TECHNICAL SPECIFICATIONS



#### Dimensions and weight specification

|   |                       |
|---|-----------------------|
| Overall size of device in operating mode (Width x Depth x Height) | 804 x 715 x 1533 mm   |
| Overall size serial packaging (Width x Depth x Height)            | 1040 x 1045 x 1480 mm |
| Empty weight (without accessories)                                | 235 kg                |
| Overall weight (with accessories)                                 | 315 kg                |
| Device weight including packaging                                 | 300 kg                |

#### Retort

|                                   |   |
|-----------------------------------|---|
| Capacity                          | Max. 2 x 200 cassettes                            |
| Temperature (paraffin)            | Paraffin temperature selectable from 58°C to 85°C |
| Temperature (processing reagents) | Ambient temperature or 35°C to 65°C               |
| Temperature (cleaning reagents)   | 35°C to 85°C                                      |
| Filling vacuum                    | -60 kPa   |
| Draining pressure                 | 45 kPa  |

#### Paraffin containers

|                            |   |
|----------------------------|---|
| Number of paraffin baths   | 4   |
| Capacity                   | Max. 3.9L per paraffin bath   |
| Melting time               | About 4.5 hours for pellets, 3.5 hours for PEGASUS Parablocks                                 |
| Temperature settings range | Paraffin melting point setting: 50°C to 65°C<br>Standby temperature setting: Paraffin Melting |
| Waste paraffin drain       | By gravity  |

#### Capacities

|                              |  |
|------------------------------|--|
| Number of reagent containers | 17 reagent bottles, 1 condensate bottle, max. 3.88 L   |
| Protocols                    | 20 freely configurable protocols. 5 pre-installed protocols. 2 pre-installed xylene protocols consisting of up to 10 reagents and 3 paraffin processing steps. 2 pre-installed xylene-free protocols consisting of up to 8 reagents and 3 paraffin processing steps.<br>– Time per protocol step: 0 - 5999 minutes<br>– Delay time: max. 1000 hours<br>1 pre-installed cleaning protocol |
| Maximum throughput           | Up to 400 cassettes can be processed simultaneously  |
| Drip tray                    | >3.88L   |
| Density Meter                | No   |
| Reagent management system    | <ul style="list-style-type: none"> <li>• Processing protocol: Cassettes/Cycles/Days/ Concentration</li> <li>• Cleaning protocol: Cycles/Days</li> </ul>  |

|                       |   |
|-----------------------|---|
| Hardware and Software | <ul style="list-style-type: none"> <li>• Color LCD touchscreen, 12 inches</li> <li>• User-friendly, intelligent and multi-lingual user interface</li> <li>• Three USB 2.0 ports, DC 5V</li> <li>• Alarm system with two alarm sockets (for local alarm and remote alarm: 30V DC, maximum 1A)</li> <li>• Smart error handling for specimen protection</li> </ul> |
|-----------------------|---|

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| Electrical specifications                             |  |
|---|--|
| Nominal supply voltage                                | 100-120 VAC/220-240 VAC  |
| Nominal supply frequencies                            | 50/60Hz  |
| Power consumption                                     | 100-120 VAC 15A Max.; 220-240 VAC 10A Max  |
| Main input fuses                                      | 16A 250 VAC  |
| Other specifications                                  |  |
| CE  | Approved   |
| CSA   | Approved   |
| Access levels   | <ul style="list-style-type: none"> <li>• Operator</li> <li>• Supervisor</li> <li>• Administrator</li> <li>• Service</li> <li>• Manufacturer</li> </ul> |
| Password status                                       | <ul style="list-style-type: none"> <li>• Operator</li> <li>• Supervisor</li> <li>• Administrator</li> <li>• Service</li> <li>• Manufacturer</li> </ul> |
| Type of password                                      | Alphanumeric, freely selectable  |
| Environmental specification                           |  |
| Operating altitude (meters above sea level) (min/max) | Up to a max. of 2250 m above sea level   |
| Temperature (operation) (min/max)                     | +10°C to +35°C   |
| Relative humidity (operation) (min/max)               | Humidity 20% to 80% non-condensing   |
| Temperature (transit) (min/max)                       | -29°C to +50°C   |
| Temperature (storage) (min/max)                       | +5°C to +50°C  |
| Relative humidity (transit)                           | Humidity 10% to 85%  |
| Relative humidity (storage)                           | Humidity 10% to 85% non-condensing   |
| Minimum distance to walls                             | 80 mm  |
| BTU   | <ul style="list-style-type: none"> <li>• 100-120 V: maximum 6141.86 BTU/h (1800 J/s)</li> <li>• 220-240 V: maximum 8189.14 BTU/h (2400 J/s)</li> </ul> |
| Emissions and boundary conditions                     |  |
| Overvoltage category to IEC 61010-1                   | Overvoltage installation category II   |
| Pollution degree to IEC 61010-1                       | Pollution degree 2   |
| Means of protection to IEC 61010-1                    | Class I  |
| Degree of protection to IEC 60529                     | IP20   |
| A-weighted noise level, measured at 1 m distance      | <70dB(A)   |
| EMC class   | Class A  |

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