

VELP Scientifica Distillation Units



UDK 129



UDK 139



UDK 149



UDK 159



UDK 169

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|-------------------------------------|--|--|--|--|--|
| Analysis time | 5 min for 100 ml of distillate | 4 min for 100 ml of distillate | 3 min for 100 ml of distillate | From 4 min (titration included) | From 4 min (titration included) |
| Measuring range | 0.04 - 220 mg N | 0.04 - 220 mg N | 0.04 - 220 mg N | 0.04 - 220 mg N | 0.04 - 220 mg N |
| Reproducibility (RSD) | ≤ 1% | ≤ 1% | ≤ 1% | ≤ 1% | ≤ 1% |
| Recovery | ≥ 99.5 % | ≥ 99.5 % | ≥ 99.5 % | ≥ 99.5 % | ≥ 99.5 % |
| Detection limit (LOD) | > 0.015 mg N | > 0.015 mg N | > 0.015 mg N | > 0.015 mg N | > 0.015 mg N |
| Sodium hydroxide addition | Automatic | Automatic | Automatic | Automatic | Automatic |
| Water addition | - | Automatic | Automatic | Automatic | Automatic |
| Boric acid addition | - | - | Automatic | Automatic | Automatic |
| Distillation residues removal | - | Automatic | Automatic | Automatic | Automatic |
| Titration residues removal | - | - | Automatic | Automatic | Automatic |
| Titration vessel cleaning | - | - | Automatic | Automatic | Automatic |
| External titrator connection | - | - | Yes | - | - |
| Selectable distillation time | Yes | Yes | Yes | Not necessary | Not necessary |
| Steam flow regulation | - | 10 - 100 % | 10 - 100 % | 10 - 100 % | 10 - 100 % |
| Delay time (Devarda alloy analysis) | 00 sec - 99 min 59 sec | 00 sec - 99 min 59 sec | 00 sec - 99 min 59 sec | 00 sec - 99 min 59 sec | 00 sec - 99 min 59 sec |
| Water consumption | From 0.5 L / min to 15 °C From 1 L / min to 30 °C | From 0.5 L / min to 15 °C From 1 L / min to 30 °C | From 0.5 L / min to 15 °C From 1 L / min to 30 °C | From 0.5 L / min to 15 °C From 1 L / min to 30 °C | From 0.5 L / min to 15 °C From 1 L / min to 30 °C |
| Display | LCD display | 7" color touch screen | 7" color touch screen | 7" color touch screen | 7" color touch screen |
| Distillation in series | - | - | Yes | Yes | Yes |
| User management | - | Yes | Yes | Yes | Yes |
| Barcode technology | - | - | Yes | Yes | Yes |
| Language selection | - | Yes | Yes | Yes | Yes |
| Programs | 1 customizable | 10 customizable | 20 customizable | 32 standard + 24 customizable | 32 standard + 24 customizable |
| Archive (on-board data storage) | - | - | Yes | Yes | Yes |
| 21 CFR part 11 compliance | - | - | - | Yes, accessory | Yes, accessory |
| Autosampler connection | - | - | - | - | Yes |
| Connectivity | - | 2 x USB; Ethernet | 2 x USB; Ethernet; RS232 (external titrator) | 2 x USB; Ethernet | 2 x USB; Ethernet; RS232 (Autosampler) |
| Power input | 1700 W at 115 V 2200 W at 230 V | 2200 W | 2200 W | 2200 W | 2300 W |
| Dimensions (WxHxD) | 385x780x416 mm 15.2x30.7x16.4 in | 385x780x416 mm 15.2x30.7x16.4 in | 385x780x416 mm 15.2x30.7x16.4 in | 385x780x416 mm 15.2x30.7x16.4 in | 385x780x416 mm 15.2x30.7x16.4 in |
| Weight | 25 kg; 55 lb | 26 kg; 57.3 lb | 27 kg; 59.5 lb | 31 kg; 68.3 lb | 31 kg; 68.3 lb |
| Ermes connection | - | Yes, via Wi-Fi or LAN | Yes, via Wi-Fi or LAN | Yes, via Wi-Fi or LAN | Yes, via Wi-Fi or LAN |



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