

DISTILLATION UNIT UDK - COMPARATIVE TABLE

Description	Basic distillation unit	Semi-automatic distillation unit	Automatic distillation unit	Automatic distillation and titration system
	UDK127	UDK 139	UDK 149	UDK 159
Power supply	230V or 115V	230V	230V	230V
Power W	2100	2100	2100	2200
Dimensions mm (WxHxD) (in)	320x770x386 (12.6x30.3x15.2)	385x780x416 (15.2x30.7x16.4)	385x780x416 (15.2x30.7x16.4)	385x780x416 (15.2x30.7x16.4)
Weight kg (lb)	23 (50.6)	26 (57.3)	27 (59.9)	31 (68.3)
Display LCD	YES	TOUCH SCREEN	TOUCH SCREEN	TOUCH SCREEN
Steam generator	deionized/distilled water	deionized/distilled water	deionized/distilled water	deionized/distilled water
Steam flow regulation	-	10 - 100%	10 - 100%	10 - 100%
Distillation residues removal	manual	automatic	automatic	automatic
Number of programs	1	10 customizable	20 customizable	54 (30 standard + 24 customizable)
Language selection	-	YES	YES	YES
Dilution water addition	manual	automatic	automatic	automatic
Boric acid addition	manual	manual	automatic	automatic
Sodium hydroxide addition	automatic	automatic	automatic	automatic
Measuring range mg N	0.1 - 200	0.1 - 200	0.1 - 200	0.1 - 200
Reproducibility (RSD)	≤1%	≤1%	≤1%	≤1%
Recovery	≥ 99.5% at nitrogen levels between 1-200 mg N	≥ 99.5% at nitrogen levels between 1-200 mg N	≥ 99.5% at nitrogen levels between 1-200 mg N	≥ 99.5% at nitrogen levels between 1-200 mg N
Detection limit	≥ 0.1 mg N	≥ 0.1 mg N	≥ 0.1 mg N	≥ 0.1 mg N
Interface	-	2 USB	Ethernet, 2 USB, RS232, TTL	Ethernet, 2 USB, RS232
Titration phase	-	-	connection to various auto-titration units	integrated colorimetric titration system

