

Homogenizers

- **Powerful drive motors**
- **Stainless steel dispersing tools**
- **Ceramic sealed tools available**
- **Suitable for usage in food applications**



High-quality dispersing systems.

We offer a range of drive motors, from small hand-held to high-power motor with variable speed control to start at low speed without splashing.

X 120: Hand-held or stand mounted, high-speed drive motor for small volumes, from 2.0 ml.

Unidrive X 1000: General-purpose drive motor for most of dispersing tasks. The device is available with LCD display.

X 1740: Especially designed for heavy-duty laboratory and pilot plant tasks.



Technical Data	X 120	X 1000 Unidrive	X 1000D Unidrive	X 1740
Speed range [1/min] 230V-Version	10.000 – 33.000	4.000 – 35.000	4.000 – 35.000	2.500 – 23.000
Speed range [1/min] 115V-Version	5.000 – 32.000	4.000 – 35.000	4.000 – 35.000	2.500 – 23.000
Motor power [W]	140	1.050	1.050	1.800
Display	-	-	yes	-
Volume range, max. (H ₂ O) [ml]	1.500	2.000	2.000	20.000
Noise without tool, max [dB]	86	78	78	87
Applicable Dispersing Tools	T 6 T 10 T 17	T 6 T 10 T 17 T 20 / G 20	T 6 T 10 T 17 T 20 / G 20	T 30 / G 30 T 40 / G 40
Power supply [V]	See: order information	See: order information	See: order information	See: order information
Weight [kg]	0.75	2.1	2.1	4.7
Dimensions [L x D mm]	220 x 53	290 x 75	290 x 75	360 x 100
Protection class according to DIN EN 60529	IP20	IP20	IP20	IP20

Order Information	Part Number			
230 VAC / 50Hz, EU plug (Type F)	60404-0000	60402-0050	60406-0050	60408-0000
115 VAC / 60Hz, USA plug (Type B)	60404-0001	60402-0051	60406-0051	60408-0001



60472-0000



60476-0000



60471-0000



60477-0000

Accessories	Part Number	Description
Pedestal stand	60491-0000	Platform dimensions: 330 x 220 mm. Rod diameter: 16 mm, lenght: 690 mm
Crossover clamp budget	60492-0000	Aluminium white coated clamp. For support rod: 6-12 mm
Crossover clamp standard	60492-0050	Stainless steel clamp. For support rod: 6-12 mm
Crossover clamp with 2 clamp levers	60492-0020	Stainless steel clamp with clamp levers. For support rod: 6-12 mm
Special clamp	60495-0000	Clamp to fix the X 1740 to the stand. For support rod: 12-35 mm
Universal key	60470-0000	Universal rotor wrench for tools T 6 – T 30 / G 30
Socket wrench	60471-0000	Socket wrench for all tools
Rotor wrench T10	60472-0000	Rotor wrench for T 10 only
Rotor wrench T 30	60476-0000	Rotor wrench for T 30 / G 30
Rotor wrench T 40	60477-0000	Rotor wrench for T 40 / G 40

Homogenizers



X 1000 Unidrive

X 1000D Unidrive

X 120

Please note that the maximum depth of immersion is:

fine **F**

low viscosity **N**

viscous **V**

knife **M**

T 6		T 6 long	T 10		T 17	
2,0 - 50 ml			10,0 - 250 ml		250 - 1500 ml	
55 mm		120 mm	150 mm		150 mm	
60420-000F		60410-000F	60421-000F		60426-000F	
60420-000N		60410-000N	60421-000N		60426-000N	
60420-000V		60410-000V	60421-000V		60426-000V	
60420-000M		60410-000M	60421-000M		60426-000M	

X 1740



T 20	G 20	T 30	G 30	T 40	G 40
250 - 5000 ml		500 - 5000 ml		5000 - 20000 ml	
200 mm	215 mm	250 mm	280 mm	250 mm	280 mm
60422-000F	60423-000F	60427-000F	60428-000F	60414-000F	60415-000F
60422-000N	60423-000N	60427-000N	60428-000N	60414-000N	60415-000N
60422-000V	60423-000V	60427-000V	60428-000V	60414-000V	60415-000V
	60423-000M		60428-000M		60415-000M

T = Shaft with PTFE bearing. This shaft type is used for standard application. (For liquid media like water, oil, etc.)

G = Shaft with slide seal ring. This shaft type is excellent for applications with aggressive respectively abrasive media and when pressure is applied.

*Build
your Dispensing
System by selecting
a Motor plus
one Tool*

Homogenizers

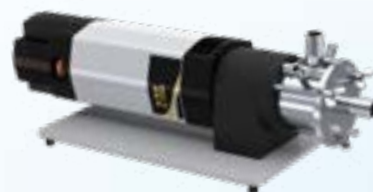
- **Smart In-line homogenizer**
- **Stainless steel housing**
- **Universal tube connectors**
- **Chamber cooling (DK 40)**



Flow-through chamber.

The DK series stainless steel flow-through chamber fit the shaft with ceramic seal. In-line units work according to the rotor-stator principle with high shear rates. Extremely fine distribution of solid particles (suspensions) and liquids in a basic liquid (emulsions) is achieved by the combined effect of different particle reduction effects using this system.

Pressure-rated for 0.7 to 2 bar.



Technical Data	DK 30	DK 40
Flow rate (H2O) [L/min]	20.0 ¹	80.0 ¹
Chamber cooling	-	Yes
Applicable Driving motor	X 1000, X 1000D	X 1740 ²
Applicable Dispersing Tools	G 20	GD 40 ³
Inlet and Outlet connectors, diameter [mm]	20.0	20.0
Cooling connectors, diameter [mm]	-	10.0
Weight [kg]	0.7	6.0
Dimensions [LxWxD/H mm]	120 x 85 x 50	410 x 200 x 160

¹ - depend of dispersing tool and driving motor combination

² - part must be ordered separately

³ - part is always assembled

Order Information	Part Number	
DK 30	60428-0000	-
DK 40-N	-	60429-000N
DK 40-V	-	60429-000V
DK 40-F	-	60429-000F

