



DR-MH30



DR-LQ30



DR-LD30



DR-DS30



DR-P30

GRAVIPUL

SOME ILLUSTRATIONS OF USAGE



Ultrasonic cleaner

1. Ultrasonic Cleaner Basic

Model	DR-M07	DR-M13	DR-M20
Volume Size (L)	0.7	1.3	2
Tank Internal Dimension (mm)	152 x 87 x 65	150 x 137 x 65	150 x 137 x 100
Operation Frequency (kHz)	40	40	40
Ultrasonic Power (W)	60	60	80
Heating	NO	NO	NO
Drainage Valve	NO	NO	NO
Carrying Handle	NO	NO	NO
Cover	✓	✓	✓
Unit Weight (kg)	1.8	2.5	2.7
Unit / Carton	12	8	8
Carton Size (mm)	48 x 47 x 43	48 x 42 x 49	48 x 45 x 58
Carton Weight (kg)	23	21	22



2. Ultrasonic Cleaner Mechanical (With Timer)

Model	DR-MS13	DR-MS20	DR-MS30
Volume Size (L)	1.3	2	3
Tank Internal Dimension (mm)	150 x 137 x 65	150 x 137 x 100	238 x 138 x 100
Operation Frequency (kHz)	40	40	40
Ultrasonic Power (W)	60	60	120
Heating	NO	NO	NO
Drainage Valve	NO	NO	○
Carrying Handle	NO	NO	NO
Cover	✓	✓	✓
Unit Weight (kg)	2.5	2.7	3.8
Unit / Carton	8	8	6
Carton Size (mm)	46 x 42 x 49	48 x 45 x 56	67 x 35 x 59
Carton Weight (kg)	21	22	24



3. Ultrasonic Cleaner Mechanical (With Timer & Heated)

Model	DR-MM13	DR-MM20	DR-MM30	DR-MM40	DR-MM60	DR-MM100	DR-MM280
Volume Size (L)	1.3	2	3	4	6	10	28
Tank Internal Dimension (mm)	150 x 137 x 65	150 x 137 x 100	238 x 138 x 100	302 x 152 x 100	302 x 152 x 150	298 x 239 x 150	498 x 296 x 200
Operation Frequency (kHz)	40	40	40	40	40	40	40
Ultrasonic Power (W)	60	60	120	120	180	240	480
Heating	✓	✓	✓	✓	✓	✓	✓
Drainage Valve	NO	NO	○	○	○	○	✓
Carrying Handle	NO	NO	NO	NO	✓	✓	✓
Cover	✓	✓	✓	✓	✓	✓	✓
Unit Weight (kg)	2.5	2.7	3.8	5	5.5	9	19
Unit / Carton	8	8	6	4	4	1	1
Carton Size (mm)	46 x 42 x 49	48 x 45 x 56	67 x 35 x 59	70 x 38 x 60	69 x 40 x 69	49 x 36 x 52	70 x 44 x 58
Carton Weight (kg)	21	22	24	33	36	12	21



4. Ultrasonic Cleaner Memory Quick

Model	DR-LQ07	DR-LQ13	DR-LQ20	DR-LQ22	DR-LQ30	DR-LQ40	DR-LQ45	DR-LQ60	DR-LQ100	DR-LQ280
Volume Size (L)	0.7	1.3	2	2.2	3	4	4.5	6	10	28
Tank Internal Dimension (mm)	152 x 87 x 65	150 x 137 x 65	150 x 137 x 100	234 x 132 x 65	238 x 138 x 100	302 x 152 x 100	238 x 138 x 150	302 x 152 x 150	298 x 239 x 150	498 x 296 x 200
Operation Frequency (kHz)	40	40	40	40	40	40	40	40	40	40
Ultrasonic Power (W)	60	60	60	60	120	120	120	180	240	480
Heating	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drainage Valve	NO	NO	NO	○	○	○	○	○	○	✓
Carrying Handle	NO	NO	NO	○	✓	✓	✓	✓	✓	✓
Cover	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Unit Weight (kg)	1.8	2.5	2.7	3	3.8	5	5	5.5	9	19
Unit / Carton	12	8	8	6	6	4	4	4	1	1
Carton Size (mm)	48 x 47 x 43	48 x 42 x 49	48 x 45 x 56	67 x 35 x 51	67 x 35 x 55	70 x 38 x 60	67 x 35 x 67	69 x 40 x 69	49 x 36 x 52	70 x 44 x 58
Carton Weight (kg)	23	21	22	22	24	33	33	36	12	21



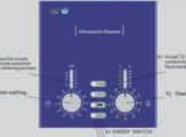
5. Ultrasonic Cleaner LCD Degas

Model	DR-LD07	DR-LD13	DR-LD20	DR-LD22	DR-LD30	DR-LD40	DR-LD45	DR-LD60	DR-LD100	DR-LD280
Volume Size (L)	0.7	1.3	2	2.2	3	4	4.5	6	10	28
Tank Internal Dimension (mm)	152 x 87 x 65	150 x 137 x 65	150 x 137 x 100	234 x 132 x 65	238 x 138 x 100	302 x 152 x 100	238 x 138 x 150	302 x 152 x 150	298 x 239 x 150	498 x 296 x 200
Operation Frequency (kHz)	40	40	40	40	40	40	40	40	40	40
Ultrasonic Power (W)	60	60	60	60	120	120	120	180	240	480
Heating	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Degas	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drainage Valve	NO	NO	NO	○	○	○	○	○	○	✓
Carrying Handle	NO	NO	NO	○	✓	✓	✓	✓	✓	✓
Cover	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Unit Weight (kg)	1.8	2.5	2.7	3	3.8	5	5	5.5	9	19
Unit / Carton	12	8	8	6	6	4	4	4	1	1
Carton Size (mm)	48 x 47 x 43	48 x 42 x 49	48 x 45 x 56	67 x 35 x 51	67 x 35 x 55	70 x 38 x 60	67 x 35 x 67	69 x 40 x 69	49 x 36 x 52	70 x 44 x 58
Carton Weight (kg)	23	21	22	22	24	33	33	36	12	21



6. Ultrasonic Cleaner Degas Sweep

Model	DR-DS07	DR-DS13	DR-DS20	DR-DS22	DR-DS30	DR-DS40	DR-DS45	DR-DS60	DR-DS100	DR-DS280
Volume Size (L)	0.7	1.3	2	2.2	3	4	4.5	6	10	28
Tank Internal Dimension (mm)	152 x 87 x 65	150 x 137 x 65	150 x 137 x 100	234 x 132 x 65	238 x 138 x 100	302 x 152 x 100	238 x 138 x 150	302 x 152 x 150	298 x 239 x 150	498 x 296 x 200
Operation Frequency (kHz)	37	37	37	37	37	37	37	37	37	37
Ultrasonic Power (W)	60	60	60	60	160	160	160	240	320	640
Heating	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Degas	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sweep	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drainage Valve	NO	NO	NO	○	○	○	○	○	○	✓
Carrying Handle	NO	NO	NO	○	✓	✓	✓	✓	✓	✓
Cover	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Unit Weight (kg)	1.8	2.5	2.7	3	3.8	5	5	5.5	9	19
Unit / Carton	12	8	8	6	6	4	4	4	1	1
Carton Size (mm)	48 x 47 x 43	48 x 42 x 49	48 x 45 x 56	67 x 35 x 51	67 x 35 x 55	70 x 38 x 60	67 x 35 x 67	69 x 40 x 69	49 x 36 x 52	70 x 44 x 58
Carton Weight (kg)	23	21	22	22	24	33	33	36	12	21



- World-wide leading brand with outstanding high quality
- Stainless steel made PROFESSIONAL outlook
- Digital timer/temperature control for friendly operation
- Full range models and various accessories
- Quick degassing with Autodegas / degas
- Improved cleaning performance with sweep
- International patent and approval certificates



* Optional Accessory for Ultrasonic cleaner: Standard basket, Small mesh basket, Rack, Beaker holder (see back side).
 * 28KHz, 60KHz or other frequency of transducer is available to supply upon specific requirement.

7. Ultrasonic Cleaner Multi-function

✓ Included ○ Optional NO: Not Available

Model	DR-P30	DR-P40	DR-P45	DR-P50	DR-P100	DR-P130	DR-P200
Volume Size (L)	3	4	4.5	6	10	13	20
Tank Internal Dimension (mm)	220 x 120 x 100	220 x 120 x 110	220 x 120 x 110	220 x 120 x 110	220 x 120 x 110	220 x 120 x 110	220 x 120 x 110
Operation Frequency (kHz)	37	37	37	37	37	37	37
Ultrasonic Power (W)	160	160	160	240	320	400	640
Heating	✓	✓	✓	✓	✓	✓	✓
Degas	✓	✓	✓	✓	✓	✓	✓
Sweep	✓	✓	✓	✓	✓	✓	✓
Pulse	✓	✓	✓	✓	✓	✓	✓
Power set	✓	✓	✓	✓	✓	✓	✓
Drainage Valve	○	○	○	○	○	○	○
Carrying Handle	✓	✓	✓	✓	✓	✓	✓
Cover	✓	✓	✓	✓	✓	✓	✓
Unit Weight (kg)	2.8	3	3	3.5	4	4	4
Unit / Carton	8	4	4	4	1	1	1
Carton Size (mm)	67 x 35 x 59	72 x 34 x 59	72 x 34 x 61	56 x 42 x 76	66 x 36 x 43	66 x 36 x 50	66 x 42 x 69
Carton Weight (kg)	24	33	33	39	12	14	21



The sum of all possibilities

- All the buttons are touch-sensitive
- LED window shows
- Electronic time and temperature control
- Autostart temperature-controlled / temperature pre-selection
- Separate excitation type
- High-performance transducer systems
- Dry run proof ceramic heating
- 0-60 Min timer, 0-80°C heating
- Safety switch-off

The sum of all possibilities

- All the buttons are touch-sensitive
- LCD window shows
- Electronic time and temperature control
- Autostart temperature-controlled / temperature pre-selection
- Separate excitation type
- Quick degassing with Autodegas / degas
- High-performance transducer systems
- Dry run proof ceramic heating
- 0-60 Min timer, 0-80°C / 0-170°F heating
- Safety switch-off



The sum of all possibilities

- All the buttons are touch-sensitive
- LED window shows
- Electronic time and temperature control
- Autostart temperature-controlled / temperature pre-selection
- Separate excitation type
- High-performance transducer systems
- Dry run proof ceramic heating
- 0-60 Min timer, 0-80°C / 0-170°F heating
- Quick degassing with Autodegas / degas
- Improved cleaning performance with sweep
- Safety switch-off

The sum of all possibilities

- All the buttons are touch-sensitive
- LCD window shows
- Electronic time and temperature control
- Autostart temperature-controlled / temperature pre-selection
- Separate excitation type
- High-performance transducer systems
- Dry run proof ceramic heating
- 0-60 Min timer, 0-80°C / 0-170°F heating
- Quick degassing with Autodegas / degas
- Improved cleaning performance with sweep
- High-strength cleaning power 120% with Pulse
- Ultrasonic power set 40% - 70% - 100%
- Safety switch-off

8. Optional Accessory For Ultrasonic Cleaner:



Standard basket



Small mesh



Rack

9. Industrial Ultrasonic Cleaner:

✓ Included ○ Optional NO: Not Available

Model	DR-LP20	DR-LP30	DR-LP40	DR-LP45	DR-LP50	DR-LP60	DR-LP80
Volume Size (L)	20	30	40	45	50	60	80
Tank Internal Dimension (mm)	300 x 300 x 230	300 x 300 x 300	400 x 300 x 300	400 x 400 x 300	450 x 400 x 300	500 x 400 x 300	600 x 450 x 300
Operation Frequency	28 kHz	28 kHz	28 kHz	28 kHz	28 kHz	28 kHz	28 kHz
Ultrasonic Power	400(W)	500(W)	600(W)	700(W)	800(W)	900(W)	1000(W)
Heating	✓	✓	✓	✓	✓	✓	✓
Degas	✓	✓	✓	✓	✓	✓	✓
Sweep	✓	✓	✓	✓	✓	✓	✓
Pulse	✓	✓	✓	✓	✓	✓	✓
Power set	✓	✓	✓	✓	✓	✓	✓
Drainage Valve	✓	✓	✓	✓	✓	✓	✓
Carrying Handle	✓	✓	✓	✓	✓	✓	✓
Cover	✓	✓	✓	✓	✓	✓	✓
Unit Weight (kg)	29	33	38	42	46	52	60
Carton Size (mm)	600 x 450 x 550	600 x 450 x 600	600 x 450 x 700	600 x 550 x 700	650 x 550 x 700	680 x 550 x 700	760 x 600 x 700



DR-LP80

10. Ultrasonic Cleaner Generator:

Model	Power	Frequency
DR-PG200	200(W)	28/40kHz
DR-PG300	300(W)	28/40kHz
DR-PG400	400(W)	28/40kHz
DR-PG500	500(W)	28/40kHz
DR-PG600	600(W)	28/40kHz
DR-PG700	700(W)	28/40kHz
DR-PG800	800(W)	28/40kHz
DR-PG1000	1000(W)	28/40kHz
DR-PG1200	1200(W)	28/40kHz
DR-PG1600	1600(W)	28/40kHz



11. Ultrasonic Cleaner Transducer:

Model	Frequency	Input Power	Resonance impedance	Static Capacity	Length	Weight
DR-5538-28P	28 kHz	60 (W)	10-20 (Ω)	5400 (pF)	64(mm)	525 (g)
DR-4838-40P	40 kHz	60 (W)	10-20 (Ω)	5400 (pF)	54(mm)	320 (g)



All models are available with both 110V and 220V. Special function or large power unit can be tailor made.



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