

RD80

Surgical Smoke Evacuation System

Compact, ultra-quiet and efficient smoke management

Combining simplicity and quiet operation in a compact package, the RD80 smoke evacuation system is designed to support surgical teams with high suction performance, efficient filtration and easy positioning in the operating room.



36-58

Ultra-quiet
operation

H13

HEPA filtration
99.97%

340

Suction flow
m3/h

1.4m

Extendable
foldable pipe

Product Overview & Key Features

Model **RD80** Surgical Smoke Evacuation System

The RD80 is a compact surgical smoke evacuation system for operating rooms and procedure areas. It combines simple control, quiet operation and an efficient multi-stage filter concept for smoke, aerosols and odor management during electrosurgical procedures.



H13

4-layer filtration
Washable sponge, HEPA,
oil absorb and activated
carbon filters.

dB

Low noise level
36 dB to 58 dB operating
noise range for a calmer
OR environment.

m/s

High flow speed
20 m/s suction flow speed
supports effective smoke
capture.

2.3

Vacuum pressure
2.3 kPa vacuum pressure
for reliable evacuation
performance.

1.4

Extendable pipe
1.4 m extendable pipe
with 63 mm foldable
diameter.

RD

Compact body
400 x 225 x 595 mm and
24 kg mobile
construction.

Aklion FZ-LLC

Compass building - Al Hulaila, VUET0825
Al Hulaila Industrial Zone - FZ, Ras Al Khaimah, UAE

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Technical Specifications

Model RD80



P	Power input:	220 W
V	Power supply:	110 V 60 Hz / 220 V 60 Hz
S	Suction flow speed:	20 m/s
F	Suction flow:	340 m3/h
dB	Noise:	36 dB - 58 dB
H13	Filter efficiency:	H13 / 0.3 um, 99.97%
mm	Size:	400 x 225 x 595 mm
kg	Weight:	24 kg
4L	Installed filters:	4 layers: washable sponge, H13 HEPA filter, oil absorb filter, activated carbon filter
1.4	Pipe length:	1.4 meter / extendable
63	Foldable pipe diameter:	63 mm
kPa	Vacuum pressure:	2.3 kPa

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Dimensions, Filtration & Ordering Information



mm

Dimensions:

400 x 225 x 595 mm

kg

Weight:

24 kg

1.4

Pipe length:

1.4 m / extendable

63

Pipe diameter:

63 mm foldable pipe diameter

RD

Model:

RD80

OR

Product category:

Surgical Smoke Evacuation System

APP

Recommended applications:

Operating rooms, procedure rooms, day surgery centers and clinical environments

Installed filters

Washable sponge | H13 HEPA filter | Oil absorb filter | Activated carbon filter

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Specifications may be subject to technical improvement.

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