

Professional quality designed
for reliability and efficiency

ACOMA

ACOMA Anesthesia Apparatus

FO-20S

Approval No. 21500BZZ00039000



■ Flow meter controlled by an interlocking gear mechanism

■ Light and compact

**Superb functional efficiency in a compact body.
Simple and cost-effective.
Offers great utility in all situations**

Compact and
Customizable



Reliable security

Easy operation

"Safety-meshing" Offers Greater User Confidence

Reliable security

- N₂O and O₂ metering is jointly controlled by a special mechanically interlocking gear system, that ensures patient safety by controlling the minimum oxygen concentration so that it never goes below 30% (± 3 Vol. %, when O₂ flow is over 1 L/min.). (PAT. 1737472)
- If O₂ supply pressure drops below 240 to 260 kPa, whistle sounds.
- If O₂ supply pressure falls below 100kPa (approx. 1kgf/cm²), the N₂O flow into the circuit is automatically suspended for assurance of patient safety.

Easy operation

- Convenient, easy disposal of surplus gas
- Easy-to-handle canister
- One-touch oxygen flushing

Compact and Customizable

- FO-20S can be conveniently be carried anywhere by means of the carrying handle.
- An Anesthetic ventilator (such as Acoma PRO-V mkII, ARF-900II & ACE-3000) can be installed within the mobile stand.
- A built-in drawer on small mobile stand provides readily available storage space for various instruments, accessories, and other small items.(option)
- Large castors for smooth, easy unit mobility combined with firm locking.
- Rail type mount for 2 Vaporizers is optionally available for stand C.

Small mobile stands

Select from the 3 types A/B/C to satisfy every need.



● Practical drawer to contain small appliances. (option)



● The image shown is for reference only. The actual style may vary.

A Main unit + Stand type A

Designed to be as compact as possible

B Main unit + Stand type B

Maintaining the compact form of the A type with a monitor base

C Main unit + stand type C

Can be installed with 2 vaporizer units. Position of the respiratory apparatus is adjustable.

Ventilator supporting FO-20S.

Select from two options: Electric drive method and gas drive method

ARF-900II

An Anesthetic Ventilator Developed for Fast, Operational Ease

Ventilation method	Volum Preset., Time Cycling
Ventilation mode	Contoller

Approval No.20200BZZ00718000



- Allows effective utilization of operation theater space
- Simple control panel does away with otherwise troublesome manipulation

PRO-VmkII

Electrically driven ventilator

Ventilation method	Volume preset, time cycling
Ventilation mode	CMV volume limit

Approval No.21300BZZ00492000

- Easy setting and maintenance



ACE-3000 with alarm unit ACE-3000a

Gas-driven Ventilator

Ventilation method	Volume preset, time cycling Pressure preset, time cycling
Ventilation mode	Time cycling, Pressure limit, CMV, IMV, Assist, EIP, PEEP

Approval No.20500BZZ00040000

- Wide application and precise control



ACE-3000a
(alarm unit) *available separately.

FO-20S

Related products

These exclusive products will enhance the full functions of FO-20S. Combined applications are highly recommended.

ACOMA vaporizer MK III

- High precision product providing a stable density control.
- Liquid gauge makes it easy to check the volume of anesthetic agent.
- Selectable from 4 types: Halothane, Enflurane, Sevoflurane (7% option), and Isoflurane.

Products		F type (for Halothane)	E type (for Enflurane)	S type (for Sevoflurane)	I type (for Isoflurane)
Code NO.	Std. type	204-11-02	204-11-12	204-11-32	204-11-22
	Key. type	204-11-06	204-11-16	204-11-36	204-11-26
Capacity		160ml			
Conc. adjustment range		0.3~4vol.%	0.5~5vol.%	0.5~5vol.%	0.3~4vol.%
Flow rate range		0.5~10 liters/min.			

*Optional key Bottle Adaptor is required for Key Filled types.



Filling method: Key type



Filling method: Standard type

FO-20S

Product name	ACOMA Anesthesia Apparatus FO-20S
Medical equipment approval number	21500BZZ00039000
Product code	FO-20S (Main body) : 204-15-31
	FO-20S A : 204-15-35
	FO-20S B : 204-15-36
	FO-20S C : 204-15-33

[Anesthesia mechanism]

Flow meter	O ₂ , N ₂ O: 0 - 10L/min continuously variable
Minimum O ₂ conc.	30%±3Vol.%
Gas supply	350-500kPa respectively for O ₂ and N ₂ O
Canister capacity	900mL (720g)
O ₂ flush	35~75L/min

[Monitor circuit]

Inner circuit pressure gauge

[Safety alarm]

Alarm for lower O ₂ supply pressure, N ₂ O blocking device, minimal O ₂ concentration
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[Size and weight]

Outer dimension	Main body : 440(w) x 315(d) x 405(h) mm
	Stand A : 528(w) x 570(d) x 765(h) mm
	Stand B : 528(w) x 570(d) x 1,253(h) mm (excluding the projecting part)
	Stand C : 588(w) x 590(d) x 1,376(h) mm
Monitor base	405(w) x 295(d) mm for Stand B 459(w) x 300(d) mm for Stand C
Weight	Main body approx. 12 kg Stand A approx. 17 kg Stand B approx. 22 kg Stand C approx. 30 kg

Standard Accessories

1	Pressure tube 5m long (O ₂ , N ₂ O)	1 each
2	Pressure reducing valve (O ₂ , N ₂ O) or adaptor for central piping system	1 each
3	Spanner for pressure tube (19 x 24mm)	1 pc
4	Face mask (No. 4)	1 pc
5	Corrugated tube (90cm)	2 pcs
6	Corrugated tube for surplus gas removal (19mm Φ, 90cm)	1 pc
7	Breathing bag (3L)	1 pc
8	Canister joint	1 pc
9	Y-adaptor + Mask adaptor (Plastic)	1 set
10	Instruction manual	1 set



Safety precautions

For proper and safe use of the unit, be sure to carefully read the Acoma FO-20S instruction book (especially the 'Safety Precautions' section) prior to using the unit for the first time, and whenever a question arises. Don't place the unit in a place where a lot of moisture, vapors, dust or soot may be present, as such an environment may lead to fire, electric shock, damage to the unit, or malfunctions.

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