Exceptional design and intuitive functionality

The Prima SP2 features a touchscreen ventilator, autoclavable absorber and accurate Penlon vaporizers

- » Advanced, easy-to-use features for maximum patient safety
- » Fully-loaded specifications as standard
- » Two-vaporizer station as standard
- » Six ventilation modes
 - 1. Spontaneous
 - 2. Volume
 - 3. Pressure
 - 4. Pressure Support
 - 5. SIMV
 - 6. SMMV
- » Large color touchscreen
- » Low cost of ownership—only two preventive maintenance service visits per year
- » Flexible and sophisticated for all your anesthesia needs



Integrated design and superior build quality

- High levels of workstation integration
- Modular construction
- GCX™ mounting rails for superior mounting solutions
- Dual oxygen, nitrous oxide and air flowmeters
- Two oxygen, one nitrous oxide and one air yoke
- Open architecture for monitors and accessories
- Many monitoring shelf configurations available
- Three station Selectatec® back bar
- Flowmeter and work surface lighting
- · Four electrical outlets
- · Oxygen auxiliary flowmeter

Balanced ultra low-flow anesthesia and a proven mechanical anti-hypoxic device

- Specifically designed for low flow
- 50–75 ml/min minimum oxygen flow
- 27-33% minimum Oxygen/Nitrous Oxide flow

AV-S Multi-Mode Ventilator

- Easy-to-use and designed for all patient profiles
- Volume, PCV, PSV, SIMV and SMMV modes

A200SP Absorber

- Advanced system integration, easy to use and high performance
- Provides seamless ventilation mode switching

Sigma Delta Vaporizer

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• Delivers accurate concentrations

Sigma Alpha Vaporizer

• Suprane® (Desflurane) delivery solution



Penlon Prima SP2

Anesthesia System

Equipment for the way you operate

Prima SP2 Anesthesia System	AV-S Multi-Mode	Ventilator o	continued	
Physical	Alarms—option	Alarms—optional, user set		
Size (H x W x D)54" x 28.4" x 31.5" (1370 x 720 x 800 r	nm) Tidal Volume–Min	Tidal Volume–Minimum		0 to 1600 ml
Weight165.4 lb (75	kg) Tidal Volume–Max	Tidal Volume–Maximum		20 to 1600 ml
Top Shelf28.4" x 18.9" (720 x 480 r		Minute Volume-Minimum		
Work Surface25.6" x 11.8" (650 x 300 r		Minute Volume–Maximum		
Drawers (up to three)7.5" x 20.5" x 15.4" (190 x 520 x 390 r	am) Annea	Adi	ustable Reset Pressure	(PEEP Ref)3 to 35 cmH ₂ O
7.5 x 20.5 x 15.4 (190 x 320 x 3901	Low and High O. (oncentration	n	18% to 105%
Features	High Airway Proces	LUNCEITHALION	1	18% to 105% 0 to 80 cmH ₂ O adjustable
	2 Tilgit Ali Way Flessi	uie		o to oo ciiii i ₂ O aujustable
Number of Vaporizers			Adult	Dardia Ania
Gases Oxygen, Nitrous Oxide,				Pediatric
Cylinder YokesF		. ,	600 ml	150 ml
Oxygen Fail Safe			10	15
Anti-Hypoxic Device Mechanical, 27 to 3	3% Volume, I:E Ratio:		1:2	1:2
StandardsAll relev	ant Volume, Pmax:		38 cmH ₂ O	38 cmH ₂ O
AV-S Multi-Mode Ventilator	Pressure, Tidal Volu	ıme (Vt):	600 ml	150 ml
Physical	Pressure, Rate (BPA		10	15
Size, Control Unit Only (H x W x D)	, ,	Pressure, I:E Ratio:		1:2
Size with Adult Bellows (H x W x D) 15.2" x 11.4" x 11.8" (385 x 290 x 300 r		Pressure, P-Target:		10 cmH ₃ O
Weight (Control Unit)16.8 lb (7.6	ka)		10 cmH ₂ O	. 0
Weight (w/Adult Bellows) 19.8 lb (9.0	kg) SIMV, Tidal Volume	\(\/t\)·	600 ml	200 ml
Screen (TFT) 8.4 inches (210 r	nm) SIMV, Rate (BPM):	(V L).	6	10
Pollows (Latov Fron) 20 to 1600	ml SIMV, Nate (DI IVI).	ima	2 sec	1 sec
Bellows (Latex-Free) 20 to 1600	Sliviv, irispiratory i	SIMV, Inspiratory Time:		
Bellows (pediatric option)20 to 350	ml SIMV, Trigger:		0.4 L/min	0.4 L/min
Power90 to 264 VAC, 47 to 63	HZ	0.43		
Drive GasOxygen or			3.6 L	2 L
	SMMV, Rate (BPM):		6	10
Functions	SMMV, Inspiratory	Time:	2 sec	1 sec
Tidal Volume (Vt)20 to 1600	ml SMMV, Trigger:		0.4 L/min	0.4 L/min
Rate (BPM) 4 to 100 b	om			
Sigh ModeTidal Volume (Vt) x 1.5, every 50 brea	ths PSV, Support Press	ure:	10 cmH ₃ O	10 cmH ₃ O
I:E Ratio1:0.3 to		ne:	2 sec	1 sec
Pressure Limit 10 to 80 cm				
Fresh Gas CompensationAutomatic Tidal Volume Adjustm		r		
Ventilation ModesOff, Standby, Volume, Pressure Control	ed, Physical			
Spontaneous, SIMV, SMMV, PSV (for use in anesthesia procedures of	Sizo (H v M v D)		16.6" v 0.0"	v 16 0" (420 v 220 v 420 mm)
	Moight (ompty)	Size (H x W x D) 16.6" x 9.0" Weight (empty)		22 lb (15 kg)
Pressure Control 10 to 70 cml Spontaneous Mode Active Volume and Pressure Alar	1 ₂ O Weight (empty)	Absorbent Capacity		35 ID (15 kg)
		ıy		2.9 lb (1.3 kg)
Patient Support Function—Automatic switch				
Volume Cycle Mode if apnea alarm is trigge				
Electronic PEEP 4 to 30 cml	20 Physical	-		Sigma Alpha
Oxygen MonitorFuel Cell ty		Approx. 5	9	Approx. 6 kg
	Capacity:	Volume at N	MAX mark: 250 ml nominal	330 ml working volume
SIMV, SMMV, PSV		Volume at MIN		70 ml refill indicator
Trigger0.2 to 0.4 L/r	nin Note: After draining	, approximate	ely 60 ± 10 ml of liquid is	retained by the wick
Trigger Window60% of Expiratory Ti	me			
Tidal Volume As Volume Mo	de Operating			
Minute Volume As Volume Mo		0.2 to 15	liters / min	0.5 to 10 liters / min
Inspiratory Time0.5 to 5 s	200	3.2 10 13		1.2 .2 .0
Support Pressure3 to 20 cmH ₂ O (PEEP reference	ed) Operating Temper	ature		
5 to 20 cmm ₂ 0 (i EEF Telefferic	Range:		°C (58 to 95°F)	18 to 30°C (64 to 86°F)
Alarms—Automatic		. 2 10 33		111111 (0.10 001)
Alarm Mute30 seco	nds Size (H x W x D)			
Low Drive Gas PressureLess than 235 kPa (34	osi) Cagemount Dime	nsions	8.6" x 5.2	2" x 6.2" (219 x 133 x 158 mm)
High Cont. Airway PressAbove 30 cmH ₂ O at start of cy	cle Selectatec® Comp			. = (=
Low Pressure4 to 14 cmH ₂ O (PEEP reference	ed) Interlock Dimension		Q 5" v A	1.7" x 7.5" (242 x 120 x 190 mm)
Low Tidal Volume50% of Volume set (spirome	ry) Dräger Ding In® Co	mnatible Dir	D 5/1 2 0	9" x 7.5" (242 x 120 x 190 mm)
Incorrect Pate or Patio Mains Failure	iy) Diagel Flug-III* CC	лпрацые ЫГ	119.5 X 3.9	x 7.5 (242 x 100 x 190 mm)
Incorrect Rate or Ratio, Mains Failure30 minutes battery back				
Low Battery 5 minutes	126			
Ventinon Internal or Pattery Eail	IrΩ			



Internal or Battery Failure