

## SP Electric Suction Range



*High quality, reliable electric suction units, for theatre, wards and clinics, and emergency applications*

- ◆ SP70 for theatre
  - High flow-rate: 60 L/min
  - Mobile, with braked castors
  - 2 x two litre receiver jars
- ◆ SP30 for wards and clinics
  - 25 L/min flow rate
  - 1 x two litre receiver jar
- ◆ SP20 Plus for emergency services, wards and clinics
  - Mains/battery operation with integral rechargeable battery
  - Also runs on 12 v supply from car/ambulance
  - 15 L/min flow rate
  - 1 x two litre receiver jar

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## Additional Features

- ◆ Easy to use, quiet operation
- ◆ Extended service intervals and low life-costs
- ◆ Pressure gauge, vacuum regulator and overflow protection device on all models
- ◆ Strong, polycarbonate receiver jar, autoclavable at 121°C, without degradation
- ◆ SP70 supplied with On/Off foot switch
- ◆ Low maintenance, all units have lubrication-free piston pumps
- ◆ All models can be used with a disposable jar liner system
- ◆ Hydrophobic filter protection on electric motor
- ◆ One and four litre jars also available

## Technical Specification

Model	SP20 Plus	SP30	SP70
Power Supply	220-240 V AC, 50 Hz	220-240 V AC, 50-60 Hz	220-240 V AC, 50-60 Hz
Rechargeable Battery	12 V DC, 3.3 Ah	N/A	N/A
Use with Battery	Up to 60 minutes	N/A	N/A
Recharge Time	6 to 8 hours	N/A	N/A
Maximum Vacuum	-80 kPa (-600 mmHg)	-84 kPa (-630 mmHg)	-90 kPa (-675 mmHg)
Dimensions (H x W x D)	280 x 175 x 390 mm	280 x 175 x 390 mm	850 x 550 x 450 mm
Weight	6 kg	4 kg	20 kg
Noise Level	58.5 dB @ 1 metre	61 dB @ 1 metre	58 dB @ 1 metre
<b>Environmental Limits (All Models)</b>			
Operating	+10°C to +40°C		
Storage	-20°C to +60°C		
Humidity	30% to 95% RH non-condensing		
<b>MAK 2000 Receiver Jar</b>			
Capacity	2 litre with 100 ml graduations		
Inlet Connection	ISO G 1/4" M		
Outlet Connection to Patient	Tubing Connector Ø8.5 mm		
Overflow Protection	Integrated Float Valve		
Autoclave Temperature	121°C (for 15 minutes)		
Dimensions (Height x Diameter)	305 x 140 mm		
Weight	620 g		

## Ordering Information and Accessories

### Electric Suction Pumps

Part No.	Description
312030	<b>SP20 Plus</b> Electric Suction Pump with rechargeable battery and MAK 2000 jar
312031	<b>SP30</b> Electric Suction Pump with MAK 2000 jar
312032	<b>SP70</b> Electric Suction Pump with 2 x MAK 2000 jars Mobile, with braked castors

### Accessories

Part No.	Description
312033	MAK 2000 Jar, with lid
312036	MAK 2000 Jar, without lid
312035	Lid (with seal) for MAK 2000 jar
312037	Rubber seal for lid
2119-023	Clear PVC tube with conductive strip (ID 8.3 mm / OD 11.5mm) Supplied as 30 m roll

## Partnership for Life

Penlon's philosophy embraces commitment to a successful, long term relationship with all our customers



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