



Clinical Practice Procedures: Respiratory/Bag valve mask – Pocket BVM™ (pilot)

Policy code	CPP_RE_BVMP_0924
Date	September, 2024
Purpose	To ensure a consistent procedural approach to bag valve mask – Pocket BVM™ ventilation.
Scope	Applies to Queensland Ambulance Service (QAS) clinical staff.
Health care setting	Pre-hospital assessment and treatment.
Population	Applies to all ages unless stated otherwise.
Source of funding	Internal – 100%
Author	Clinical Quality & Patient Safety Unit, QAS
Review date	September, 2027
Information security	UNCLASSIFIED – Queensland Government Information Security Classification Framework.
URL	https://ambulance.qld.gov.au/clinical.html

While the QAS has attempted to contact all copyright owners, this has not always been possible. The QAS would welcome notification from any copyright holder who has been omitted or incorrectly acknowledged.

All feedback and suggestions are welcome. Please forward to: Clinical.Guidelines@ambulance.qld.gov.au

Disclaimer

The Digital Clinical Practice Manual is expressly intended for use by appropriately qualified QAS clinicians when performing duties and delivering ambulance services for, and on behalf of, the QAS.

The QAS disclaims, to the maximum extent permitted by law, all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages and costs incurred for any reason associated with the use of this manual, including the materials within or referred to throughout this document being in any way inaccurate, out of context, incomplete or unavailable.

© State of Queensland (Queensland Ambulance Service) 2024.



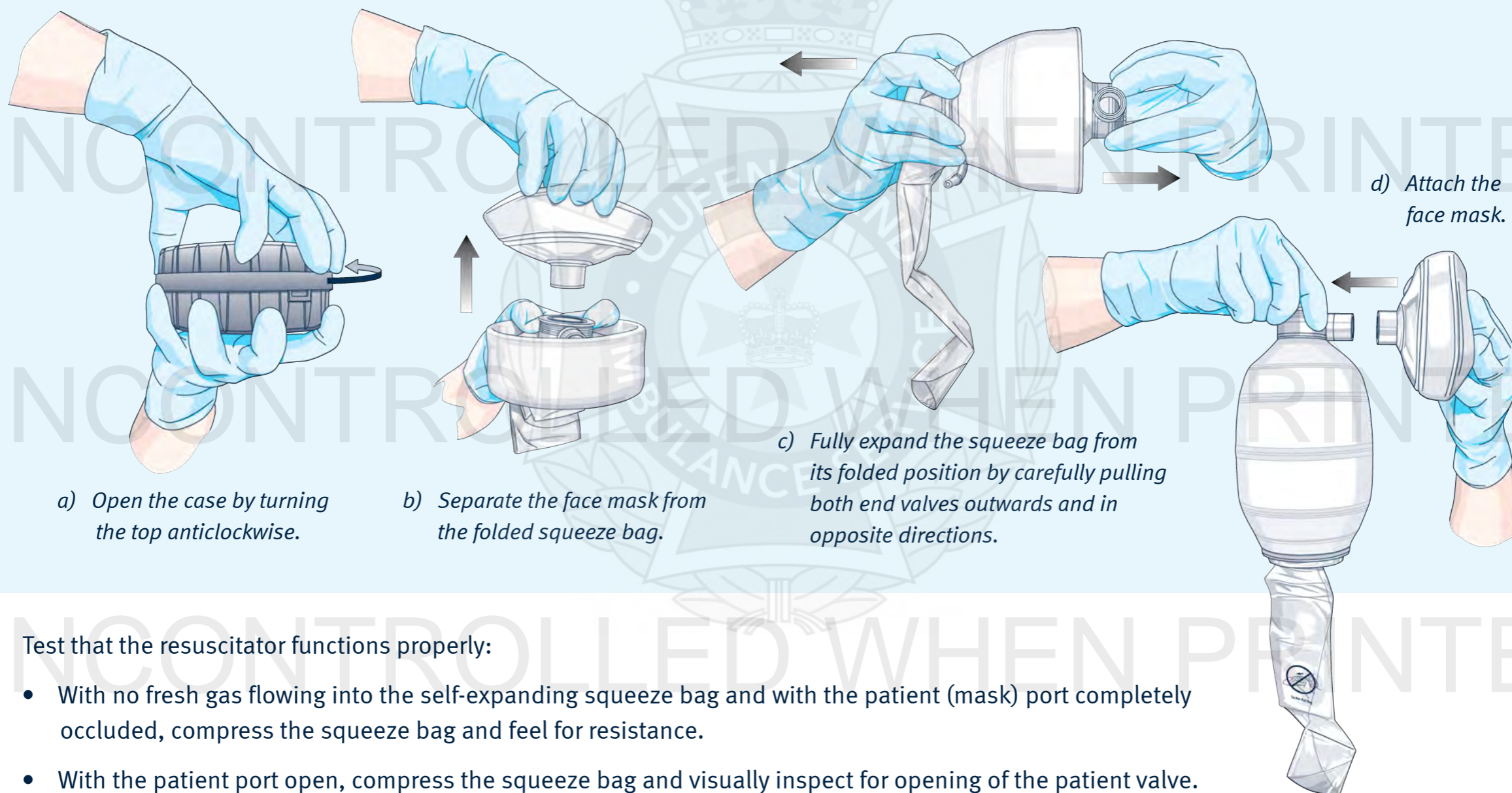
This work is licensed under the Creative Commons Attribution-NonCommercial-NoDerivatives V4.0 International License

You are free to copy and communicate the work in its current form for non-commercial purposes, as long as you attribute the State of Queensland, Queensland Ambulance Service and comply with the licence terms. If you alter the work, you may not share or distribute the modified work. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-nd/4.0/deed.en>

For copyright permissions beyond the scope of this license please contact: Clinical.Guidelines@ambulance.qld.gov.au

Procedure – Bag valve mask – Pocket BVM™ (pilot)

1. Determine the need for IPPV.
2. Continually monitor the patient's airway to ensure patency, apply basic airway management principles and progress to advanced airway techniques when appropriate.
3. Posture the patient appropriately for IPPV.
4. Prepare the Pocket BVM™ for use:



5. Test that the resuscitator functions properly:
 - With no fresh gas flowing into the self-expanding squeeze bag and with the patient (mask) port completely occluded, compress the squeeze bag and feel for resistance.
 - With the patient port open, compress the squeeze bag and visually inspect for opening of the patient valve.

Procedure – Bag valve mask – Pocket BVM™ (pilot)

6. Connect the oxygen flow tubing to an oxygen source and adjust the oxygen flow to 15 L/min.
7. Position the mask to create an effective seal between the mask and the patient's face.
8. Gently compress the squeeze bag to deliver an appropriate tidal volume and observe the chest rise to confirm adequate ventilation.
9. Release the pressure on the squeeze bag to allow passive exhalation and re-expansion of the bag.
10. During ventilation, continually monitor:
 - Expiratory airflow through the valves
 - Signs of cyanosis
 - Adequacy of ventilation
 - Airway pressure
 - Tubing connections and correct functioning of all valves
 - Continuous supply of oxygen to the resuscitator and inflation of the reservoir bag.

Additional information

- The Pocket BVM™ is currently being piloted and is only authorised for use by clinicians from the:
 - Disaster Assistance Response Team;
 - Gold Coast Remote and Isolated Retrieval Team; and
 - Bike Response Team.
- For patients not requiring positive pressure ventilation, however requiring oxygen, the application of an appropriate oxygen mask is required.
- The QAS supplies one size (Adult) of Pocket BVM™ disposable (single use only) resuscitator.

SPECIFICATIONS

Body mass range	Approximate volume (stroke)
Greater than 40 kg	1 hand – 800 mL 2 hands – 1400 mL