

Elder Demand/Resuscitator Valve



L034-103R
(shown with adult cuffed mask)

The LSP Elder Demand/Resuscitator Valve is designed to provide 100% oxygen to a breathing or non-breathing patient in an emergency situation. The valve is designed for use with a mask, endotracheal tube, tracheotomy tube or esophageal airway.

The Elder Demand/Resuscitator Valve complies with AHA guidelines recommending that 100% oxygen be given to victims of a heart attack and/or smoke inhalation. The valve can be used in conjunction with a portable oxygen cylinder equipped with a pressure regulator or with a central oxygen source. The valve operates on a regulated oxygen supply of 40-60 psig (275 to 413 kPa) and reduces this pressure to a physiologically acceptable level with a pressure limit of 60 ± 5 cm H₂O. This prevents excessive buildup of intrapulmonary pressures and over-inflation of the lungs.

The slight negative pressure created by a spontaneously breathing patient's inspiratory effort triggers the valve from a non-flow state to a flowing state. The greater the inspiratory effort, the higher the flow. When the inspiratory effort stops, the flow stops. The non-breathing valve permits it to be used as a resuscitator in combination with a manually operated button located on top of the valve.

The Elder Demand/Resuscitator Valve provides an accurate constant flow rate of 40 lpm to help prevent gastric inflation, as recommended by the AHA. It is also available with a minimum flow rate setting of 160 lpm.

Key Features

- Maximum cylinder use ... flow rate of 40 lpm is maintained at cylinder pressures between 200-2200 psig (1378 to 15168 kPa), allowing for complete use of cylinder contents
- Easy to clean and service ... valve obstruction may be removed during resuscitation with minimal interruption, and may also be chemically disinfected
- Compact, lightweight and durable ... will withstand corrosive materials and harsh weather conditions

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SPECIFICATIONS

40 lpm Flow Rate (restricted flow): As required in demand mode, 0-40 lpm at 50 psig (344 kPa);
in resuscitation mode, a constant flow of 40 lpm at 50 psig (344 kPa)

160 lpm Flow Rate: As required in demand mode, 0-160 lpm at 40 psig (275 kPa);
in resuscitation mode, a constant flow of 160 lpm at 40 psig (275 kPa)

Delivery Pressure: 60±5 cm H₂O unless otherwise indicated on the demand valve

Crack Pressure: -1.0 in. H₂O (-2.54 cm H₂O)

Supply Pressure: 50 psig (344 kPa)

Operating Temperature: -30° F to 125° F (-34.4 C to 51.7 C)

Storage Temperature: -40° F to 160° F (-40 C to 71.1 C)

Inlet Fitting: standard 1/8" NPT female

Filter: 2 micron sintered stainless steel

Outlet: 22 mm outside diameter x 15 mm inside diameter

Materials: housings and plastic parts - Valox, polyester; polysulfone; moving and adjusting parts - stainless steel;
fasteners - steel, brass and aluminum, all plated for corrosion resistance;
rubber parts (except oxygen hose) - silicone

ORDERING INFORMATION

L034-100R	Elder Demand/Resuscitator Valve, 40 lpm flow rate
L034-101R	Elder Demand/Resuscitator Valve, with extension lever, 40 lpm flow rate
L034-102R	Elder Demand/Resuscitator Valve, with 6' (1.8 m) oxygen hose, 40 lpm flow rate
L034-103R	Elder Demand/Resuscitator Valve, with extension lever and 6' (1.8 m) oxygen hose, 40 lpm flow rate
L034-100	Elder Demand/Resuscitator Valve, 160 lpm flow rate
L034-102	Elder Demand/Resuscitator Valve, with 6' (1.8 m) oxygen hose, 160 lpm flow rate
L099-004	Adult Cuffed Mask, reusable, size 4
L099-005	Adult Cuffed Mask, reusable, large, size 5
L535026	Oxygen Hose, 6' (1.8 m), with DISS fittings

For information on international configurations,
contact an Allied Healthcare international sales or customer service representative.



L034-103R Elder Demand/Resuscitator Valve
with extension lever and L535026 oxygen hose
(shown with L099-004 adult cuffed mask)



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All specifications are nominal and
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