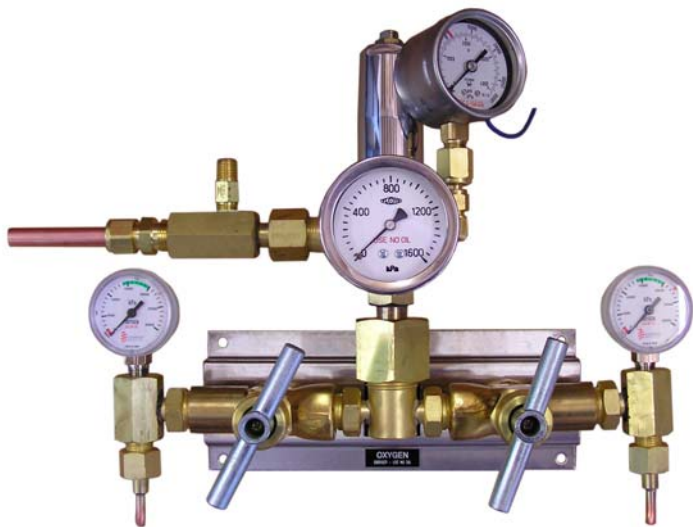


# EBM Medical Emergency Backup Manifold



- AS2896 Compliant
- Supply pressure contact alarm gauge switch
- RHS & LHS supply bank pressure gauges
- High flow line regulator
- Modular inlet header system for system expansion
- Australian made

The EBM range of medical gas manifolds are designed to act as an emergency backup source of gas in the event of a failure in the pressure primary source in larger medical facilities, (eg. bulk liquid vessels or compressors).

The manifold consists of two banks of cylinders, one on either side of a manual change-over manifold. A high flow line regulator is connected to the outlet of the manifold. The regulator outlet pressure is set slightly lower than the normal supply pressure of the primary supply source. During normal standby mode both supply banks are turned on. If the primary supply source fails, the pipeline pressure will fall to a level where the EBM will automatically take over supplying gas to the pipeline. When approximately 25% of the emergency source capacity is used a contact alarm gauge will trigger an alarm. At this stage the manifold needs to be constantly manned until the primary supply source is restored.

The EBM follows the suggested system design as detailed in AS2896, (Medical gas systems).

## Specifications:

**Max. Inlet Pressure:** 20,000 kPa @ 15°C

**Outlet Pressures:** up to 1,000 kPa

**Flow Capacity:** up to 2,000 l/min

**Outlet Connection:** 1/2" Brass tube fitting

**Header Connections:** Gas specific as per AS2896

**Cylinder Leads:** Gas specific as per AS2473

**Weight:** 6.8 kg

## Materials:

**Regulator Body:** Brass

**Manual Manifold Body:** Brass

**Fittings:** Brass

**Tubing:** Copper

**Filters:** Cupro Nickel

**Mounting Bracket:** Stainless steel

## ORDERING INFORMATION EBM - XXX - XXX - XxX

Model	Outlet Pressure	Gas	Supply Source
EBM	Required Outlet Pressure in kPa	<b>AIR</b> (Air)	<b>1x1</b> 1 cylinder x 1 cylinder
		<b>CO2</b> (Carbon Dioxide)	<b>2x2</b> 2 cylinders x 2 cylinders
		<b>OXY</b> (Oxygen)	<b>3x3</b> 3 cylinders x 3 cylinders
		<b>N2O</b> (Nitrous Oxide)	<b>4x4</b> 4 cylinders x 4 cylinders
		<b>OTHERS by Symbol</b>	<b>5x5</b> 5 cylinders x 5 cylinders
			<b>1Px1P</b> 1 manpack x 1 manpack
	<b>2Px2P</b> 2 manpacks x 2 manpacks		

### Ordering examples

EBM-700-OXY 2Px2P

Oxygen emergency backup manifold set at 700kPa, 2 manpacks of both supply backs