INTRODUCTION

A major medical product manufacturer since the 1920’s, Comweld Medical designs and manufactures high profile healthcare products used extensively in Australian and overseas markets. Market leaders such as Oxy-Viva™ Resuscitators, Twin-O-Vac™ Suction units, Series-O™ Regulators and EZI-FLOW™ Flowmeters are some of the key medical products designed and manufactured by CIGWELD at the Preston, Victoria facility.

CIGWELD’s commitment to designing products that totally satisfy customer requirements is supported by state-of-the-art facilities and technical expertise at its Australian headquarters. An accredited quality system to ISO9001, certified by Lloyd’s, ensures that the high standard of products and services is maintained.

Comweld Medical products have earned a strong reputation throughout Australia and overseas for reliable performance, excellence in design, long life, quality and durability.

Customer needs are of paramount importance to Comweld Medical. All products are designed to meet the requirements of the customer and are supplied throughout Australia and overseas through an extensive distribution network. Access to spare parts, service and technical information is also readily available through this distribution network.

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**Part No** | **Gas** | **Colour** | **Rated Air Flow (l/min)** | **Inlet Pressure** | **Inlet Connections** | **Outlet**
---|---|---|---|---|---|---
515800 | Oxygen | White | 0-15 l/min | 400kPa | S.I.S. Oxygen Handwheel | Barbed Nipple or 1/4” BSP
515820 | Medical Air | Black | 0-15 l/min | 400kPa | S.I.S. Air Handwheel | Barbed Nipple or 1/4” BSP
515824 | Oxygen | White | 0-2.5 l/min | 400kPa | S.I.S. Oxygen Handwheel | Barbed Nipple or 1/4” BSP
515852 | Oxygen | White | 0-15 l/min | 400kPa | 3/8” - 26 WHIT (F) | Barbed Nipple or 1/4” BSP

**NOTE:** S.I.S (Sleeve Indexed System Handwheel as per AS2896)

- Provides an accuracy of +/- 5% (of full scale reading) and is pressure compensated to ensure that the flowmeter maintains its accuracy independent of varying gas supply pressures.
- Flow limiting output orifice and fail safe shroud protects the patient from excessive flows in the event of excessive gas pressures.
- Dual taper needle valve prevents damage to the seat and eventual leaks.
- Gas specific inlet fitting to prevent connection to wrong gas type.
- Colour coded inlet fittings, outlet fittings, and control knobs for quick recognition of the gas used by the flowmeter.
- Incorporates durable impact resistant polycarbonate outer and metering tubes.
- The flowtube design provides clear readability with large bold print lines and numbers providing 180° visibility.
- Weighs approximately 300 grams.

**Applications:**
The Ezi-Flow flowmeter is a pressure compensated flowmeter that delivers an accurate prescribed flow to the end user from the gas source. It is suitable for most types of respiratory therapy.

**Spare Parts:**
- Spare Outlet Nut/Nipple, Oxygen (pk of 10) Part No. 515830
- Spare Outlet Nut / Nipple, Air (pk of 10) Part No. 515849
- Shroud Kit Part No. 301827
- Control Knob Kit, Oxygen Part No. 551129
- Control Knob Kit, Air Part No. 551120
GAUGE TYPE FLOWMETER

<table>
<thead>
<tr>
<th>Part No</th>
<th>Gas</th>
<th>Colour</th>
<th>Rated Air Flow (l/min)</th>
<th>Inlet Pressure</th>
<th>Inlet Connections</th>
<th>Outlet Connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>TM17</td>
<td>Oxygen</td>
<td>White</td>
<td>0-14 l/min</td>
<td>400kPa</td>
<td>S.I.S Oxygen Handwheel</td>
<td>Barbed Nipple or 1/4&quot; BSP</td>
</tr>
</tbody>
</table>

NOTE: S.I.S (Sleeve Indexed System Handwheel as per AS2896)

◆ Operates in any positional orientation  
◆ Flow range of 0-14 l/min  
◆ Reliable, accurate and durable  
◆ Colour coded inlet fittings, outlet fittings, and control knobs prevent fitting to the wrong gas type  
◆ Not pressure compensated  
◆ Weighs approximately 400 grams

Applications:  
The Gauge Type Flowmeter is the ideal substitute when it is not possible to mount a ball or bobbin type flowmeter vertically. It delivers an accurate prescribed flow to the end user from the gas source and is suitable for most types of oxygen respiratory therapy.

Spare Parts:  
Spare Outlet Nut / Nipple, Oxygen (pk of 10) Part No. 515830  
Spare Flow Gauge Part No. 551041

TM11 HUMIDIFIER

<table>
<thead>
<tr>
<th>Part No</th>
<th>Gas</th>
<th>Water Capacity</th>
<th>Maximum Flow (l/min)</th>
<th>Pressure Relief Valve</th>
<th>Inlet Connections</th>
<th>Outlet Connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>TM11</td>
<td>Oxygen</td>
<td>200ml at max. fill level</td>
<td>16 l/min</td>
<td>35-100kPa @ 20 l/min</td>
<td>1/4&quot; BSP Female</td>
<td>Nipple to suit 5mm Oxygen Therapy Tubing</td>
</tr>
</tbody>
</table>

◆ Pressure relief valve / alarm which operates if the therapy tubing or downstream accessories become obstructed  
◆ Minimal maintenance required and is easily disassembled for cleaning and disinfecting  
◆ Rugged construction makes this unit reliable and durable for years of constant use  
◆ Couples directly to flowmeters  
◆ Weighs approximately 500 grams

Applications:  
The TM11 Humidifier is a bubble through humidifier designed to humidify dry gases (ie. medical oxygen) as supplied from cylinders or pipeline systems before administration to the patient.

Spare Parts:  
Spare Jar Part No. 551054  
Service Kit (inc. Diffuser, washer, O-ring) Part No. 551057
SERIES-O REGULATORS

<table>
<thead>
<tr>
<th>Part No</th>
<th>Gas</th>
<th>Colour</th>
<th>Max. Outlet Pressure</th>
<th>Max. Rated Inlet Pressure</th>
<th>Inlet</th>
<th>Connections</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>518800</td>
<td>Oxygen</td>
<td>White</td>
<td>400kPa</td>
<td>20,000kPa@15°C</td>
<td>Type 10 Bull Nosed with handwheel</td>
<td>S.I.S Sleeve</td>
<td></td>
</tr>
<tr>
<td>518804</td>
<td>Oxygen</td>
<td>White</td>
<td>400kPa</td>
<td>20,000kPa@15°C</td>
<td>Pin Indexed Yoke (Fig.2)</td>
<td>S.I.S Sleeve</td>
<td></td>
</tr>
<tr>
<td>518808</td>
<td>Nitrous Oxide</td>
<td>Blue</td>
<td>400kPa</td>
<td>20,000kPa@15°C</td>
<td>Pin Indexed Yoke (Fig.6)</td>
<td>S.I.S Sleeve</td>
<td></td>
</tr>
<tr>
<td>518809</td>
<td>Medical Air</td>
<td>Black</td>
<td>400kPa</td>
<td>20,000kPa@15°C</td>
<td>Pin Indexed Yoke (Fig.10)</td>
<td>S.I.S Sleeve</td>
<td></td>
</tr>
<tr>
<td>518810</td>
<td>Entonox (Oxygen/Nitrous Oxide)</td>
<td>Blue/White</td>
<td>400kPa</td>
<td>20,000kPa@15°C</td>
<td>Pin Indexed Yoke (Fig.11)</td>
<td>S.I.S Sleeve</td>
<td></td>
</tr>
<tr>
<td>518803</td>
<td>Oxygen</td>
<td>White</td>
<td>400kPa</td>
<td>20,000kPa@15°C</td>
<td>Special for Oxy-Viva 3</td>
<td>Special</td>
<td></td>
</tr>
<tr>
<td>518805</td>
<td>Oxygen</td>
<td>White</td>
<td>400kPa</td>
<td>20,000kPa@15°C</td>
<td>Type 10 Bull Nosed Vertical</td>
<td>S.I.S Sleeve</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: S.I.S (Sleeve Indexed System as per AS2896).

20,000 kPa@15°C equates to a pressure of 23,000kPa@65°C.

Applications:
The Series-O regulator has been the industry leader for regulators in Australia for years. The simple but effective design and ease of use make this single stage regulator a very low maintenance yet high performing product: one that can be used in a variety of environments.

Spare Parts:
- Spare Bodak Seals (pack of 10) Part No. 551022
- Spare Gauge Oxygen Part No. 551045
- Spare Gauge Air Part No. 551044
- Spare Gauge Nitrous Oxide Part No. 551043
- Spare Gauge Plain Part No. 551042
- Spare Inlet Filter (pack of 10) Part No. 551024
- Spare Type 10 inlet o-ring Part No. 301073

Encapsulated Seat Technology (EST) ensures superior performance, accuracy and resistance to ‘surging’

Large diameter diaphragm gives a performance that is normally only found in double stage regulators

Triple filter system increases the regulator performance by preventing foreign particles from getting in contact with the high pressure gas or the regulator seat

No tools are required to routinely disconnect the regulator from the cylinder valve

A safety relief valve is built in to the regulator to protect staff and patients in the event of high pressure failures

Tamper resistant design to ensure only qualified personnel can access the regulator

Colour coded pressure gauges and identification labels for quick recognition of the gas used by the regulator

Gas specific inlet fittings and outlet fittings to prevent fitting to the wrong gas type

Weighs approximately 920 grams
## Applications:
The Multi-Flow Piston Regulator offers superior safety and performance in a lightweight and compact design. With four different models available this range of regulators should cover most of your resuscitation or oxygen therapy applications.

### Spare Parts:

<table>
<thead>
<tr>
<th>Spare Part</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spare Cylinder Key Spanner</td>
<td>551162</td>
</tr>
<tr>
<td>Spare Yoke Wingscrew</td>
<td>551166</td>
</tr>
<tr>
<td>Spare Gauge Oxygen</td>
<td>551169</td>
</tr>
<tr>
<td>Spare Therapy Outlet Nipple</td>
<td>551174</td>
</tr>
<tr>
<td>Spare S.I.S Oxygen Outlet</td>
<td>551175</td>
</tr>
</tbody>
</table>

### Features:

- With Shok-Guard™ system that reduces the chances of an oxygen ignition in the regulator. The unique diffuser and filter system prevents entry of unwanted contamination which reduces the effects of sudden temperature rise of the oxygen in the regulator as the cylinder valve is opened.
- All brass design for the oxygen flow path provides optimum safety and resilience even in the harshest operating conditions.
- Oxygen Therapy and Resuscitation models.
- Offers a variety of oxygen therapy flow options suitable for most applications.
- Swivel yoke allows preferred positioning of gauge and control knob when assembled to a cylinder.
- Built in pressure relief valve to prevent over pressure conditions from occurring.
- 2 Self sealing S.I.S outlet connections on the 551157 & 551158 models allow equipment to be attached or removed without the need to turn off the oxygen.
- Easy to read cylinder contents gauge and contoured flow selector.
- Chrome plated for easy cleaning and professional looking finish.
- Gas specific inlet fittings and outlet fittings to prevent fitting to the wrong gas type.
- Regulator comes with cylinder key attached as standard.
- Weighs approximately 700 grams (551157 & 551158) or 600 grams (551153 & 551155).

### Specifications:

<table>
<thead>
<tr>
<th>Part No</th>
<th>Gas</th>
<th>Outlet Flow Settings</th>
<th>Max. Outlet Pressure</th>
<th>Rated Inlet Pressure</th>
<th>Inlet Connections</th>
<th>Outlet Connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>551153</td>
<td>Oxygen</td>
<td>2 Settings: 8 &amp; 15 l/min</td>
<td>– 20000kPa@15°C</td>
<td>Pin Indexed Yoke</td>
<td>Barbed Nipple</td>
<td></td>
</tr>
<tr>
<td>551155</td>
<td>Oxygen</td>
<td>10 Settings: 1, 2, 3, 4, 5, 6, 7, 8, 10 &amp; 15 l/min</td>
<td>– 20000kPa@15°C</td>
<td>Pin Indexed Yoke</td>
<td>Barbed Nipple</td>
<td></td>
</tr>
<tr>
<td>551157</td>
<td>Oxygen</td>
<td>10 Settings: 2, 3, 4, 5, 6, 8, 9, 10, 15 &amp; 25 l/min</td>
<td>400kPa 20000kPa@15°C</td>
<td>Pin Indexed Yoke</td>
<td>Barbed Nipple and S.I.S Sleeves</td>
<td></td>
</tr>
<tr>
<td>551158</td>
<td>Oxygen</td>
<td>2 Settings: 8 &amp; 15 l/min</td>
<td>400kPa 20000kPa@15°C</td>
<td>Pin Indexed Yoke</td>
<td>Barbed Nipple and S.I.S Sleeves</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** S.I.S (Sleeve Indexed System as per AS2896)
### Part No Gas Inlet Pressure Negative Pressure at Maximum Setting Free Air Displaced Gas Consumed Connections

<table>
<thead>
<tr>
<th>Part No</th>
<th>Gas</th>
<th>Inlet Pressure</th>
<th>Negative Pressure at Maximum Setting</th>
<th>Free Air Displaced</th>
<th>Gas Consumed</th>
<th>Inlet Connections</th>
<th>Outlet Connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>TM117G</td>
<td>Oxygen</td>
<td>400kPa</td>
<td>400mmHg</td>
<td>16 l/min</td>
<td>22 l/min</td>
<td>S.I.S Oxygen Handwheel</td>
<td>S.I.S Sleeve</td>
</tr>
<tr>
<td>518632</td>
<td>Oxygen</td>
<td>400kPa</td>
<td>150-200mmHg</td>
<td>16 l/min</td>
<td>22 l/min</td>
<td>S.I.S Oxygen Handwheel</td>
<td>S.I.S Sleeve</td>
</tr>
<tr>
<td>TM118</td>
<td>Oxygen</td>
<td>50Psi</td>
<td>350mmHg</td>
<td>14 l/min</td>
<td>20 l/min</td>
<td>D.I.S.S Oxygen Handwheel</td>
<td>D.I.S.S</td>
</tr>
<tr>
<td>518633</td>
<td>Oxygen</td>
<td>50Psi</td>
<td>150-200mmHg</td>
<td>14 l/min</td>
<td>20 l/min</td>
<td>D.I.S.S Oxygen Handwheel</td>
<td>D.I.S.S</td>
</tr>
</tbody>
</table>

**NOTE:** S.I.S (Sleeve Indexed System Handwheel as per AS2896); D.I.S.S (Diameter Indexed Safety System as per CGA V-5)

- The lightweight of the unit makes it easy to handle and lightens the load on pipeline outlets and regulators
- Only three moving parts in the main control head
- Reliable and durable
- Standard millipore brand filter acts as a bacteria filter between the jar contents and room air
- Adjustable suction control allows the suction level to be set and monitored
- Easy to read dual scale (kPa and mmHg) vacuum gauge
- Colour coded pressure gauges and identification labels for quick recognition of the gas used by the regulator
- Gas specific inlet fittings and outlet fittings to prevent fitting to the wrong gas type
- Suction outlet connection is a nominal 8mm I.D. tubing nipple
- Twin-O-Vac (p/n TM117G & p/n TM118) Gauge range is 0 to -100 kPa
- Twin-O-Vac (p/n 518632 & 518633) Gauge range is 0 to -25 kPa
- Receiver Jar capacity of 400 ml
- Weighs approximately 720 grams

### Applications:

The Twin-O-Vac is a low cost versatile unit that is ideal when extra or portable sources of oxygen or suction are required. Each Twin-O-Vac uses one oxygen outlet (i.e. an oxygen pipeline wall point or cylinder regulator) to provide variable suction plus two separate sources of oxygen. All three outlets can be used simultaneously on up to three different patients if necessary. The Twin-O-Vac can be connected or linked to an assortment of equipment including resuscitators, flowmeters, infant warmers and humidifiers.

Common areas of use are general wards, transporting patients, emergency wards, ambulances, portable resuscitation kits, and paediatric wards.

### Spare Parts:

<table>
<thead>
<tr>
<th>Spare Part</th>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spare Receiver Jar, 400ml</td>
<td>Part No. 554024</td>
<td></td>
</tr>
<tr>
<td>Spare Bacteria Filter (pack of 100)</td>
<td>Part No. 554050</td>
<td></td>
</tr>
<tr>
<td>Spare Vacuum Gauge, 0 to -100 kPa</td>
<td>Part No. 552501</td>
<td></td>
</tr>
<tr>
<td>Service Kit</td>
<td>Part No. 515754</td>
<td></td>
</tr>
</tbody>
</table>
## COMWELD SUCTION ATTACHMENTS - Central Vacuum

<table>
<thead>
<tr>
<th>Part No</th>
<th>Colour</th>
<th>Gauge Range</th>
<th>Inlet</th>
<th>Connections</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>554006</td>
<td>Yellow</td>
<td>0 to -100 kPa</td>
<td>S.I.S Vacuum Handwheel</td>
<td>Nozzle to suit 8mm I.D. Tubing</td>
<td></td>
</tr>
<tr>
<td>554007</td>
<td>Yellow</td>
<td>N/A</td>
<td>S.I.S Vacuum Handwheel</td>
<td>Nozzle to suit 8mm I.D. Tubing</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** S.I.S (Sleeve Indexed System Handwheel as per AS2896)

- Designed to suit a Central Vacuum system
- Horizontal positioning of connector and gauge to the suction nozzle, for wall mounting
- On / Off control tap
- Suction nozzle and filter are fitted as standard and are also available as spare parts
- Easy to read dual scale (kPa and mmHg) vacuum gauge (applicable models)
- Colour coded pressure gauges and identification labels for quick recognition of the gas / function of the product
- Gas specific inlet fittings to prevent fitting to the wrong gas service
- Suction outlet connection is a nominal 8mm I.D. tubing nipple
- Gauge range is 0 to -100 kPa
- Weighs approximately 500 grams

**Applications:**
These Comweld Suction Attachments are a basic connector with no controls other than an On/Off tap. They simply serve as the adaptor between the suction performance of the pipeline outlet / central suction system and the receiver jar assemblies (or other suction collection apparatus being used).

**Spare Parts:**
- Spare Sintered Filter  Part No. WA185
- Spare Outlet Nozzle/Filter Holder  Part No. 518634
- Spare Vacuum Gauge (0 to -100 kPa)  Part No. 522501
- Spare O-ring (for outlet nozzle)  Part No. 7964024
SUCTION
SUCTION ATTACHMENTS

COMWELD SUCTION ATTACHMENTS - Venturi Suction

<table>
<thead>
<tr>
<th>Part No</th>
<th>Colour</th>
<th>Gauge Range</th>
<th>Inlet</th>
<th>Connections</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>554013</td>
<td>Yellow</td>
<td>0 to -100 kPa</td>
<td>S.I.S. Vacuum Handwheel</td>
<td>Nozzle to suit 8mm I.D. Tubing</td>
<td></td>
</tr>
<tr>
<td>554010</td>
<td>Yellow</td>
<td>N/A</td>
<td>S.I.S. Vacuum Handwheel</td>
<td>Nozzle to suit 8mm I.D. Tubing</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: S.I.S (Sleeve Indexed System Handwheel as per AS2896)

- Designed to suit a Venturi Suction system
- Non-return valve
- Horizontal positioning of connector and gauge to the suction nozzle, for wall mounting
- Suction nozzle and filter are fitted as standard and are also available as spare parts
- Easy to read dual scale (kPa and mmHg) vacuum gauge (applicable models)
- Colour coded pressure gauges and identification labels for quick recognition of the gas / function of the product
- Gas specific inlet fittings to prevent fitting to the wrong gas service
- Suction outlet connection is a nominal 8mm I.D. tubing nipple
- Gauge range is 0 to -100 kPa
- Weighs approximately 400 grams

Applications:
These Comweld Suction Attachments are a basic connector with no controls. They simply serve as the adaptor between the suction performance of the venturi pipeline outlet and the receiver jar assemblies (or other suction collection apparatus being used).

Spare Parts:
- Spare Sintered Filter: Part No. WA185
- Spare Outlet Nozzle/Filter Holder: Part No. 518634
- Spare Vacuum Gauge (0 to -100 kPa): Part No. 522501
- Spare O-ring (for outlet nozzle): Part No. 7964024
**COMWELD LOW SUCTION ATTACHMENTS** - Venturi Suction

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Colour</th>
<th>Gauge Range</th>
<th>Inlet</th>
<th>Connections</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>518535</td>
<td>Yellow</td>
<td>0 to -25 kPa</td>
<td>S.I.S Vacuum Handwheel</td>
<td>Nozzle to suit 8mm I.D. Tubing</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE: S.I.S (Sleeve Indexed System Handwheel as per AS2896)**

- Designed to suit a Venturi Suction system
- Safety valve designed to prevent negative pressures greater than -25 kPa being supplied
- Easy to read dual scale (kPa and mmHg) vacuum gauge which gives clear indication of low pressures
- Non Return Valve which prevents any positive pressure being applied should a fault occur in the suction source
- A positive pressure relief valve within the patient circuit for additional safety
- Horizontal positioning of connector and gauge to the suction nozzle, for wall mounting
- Suction nozzle and filter are fitted as standard and are also available as spare parts
- Colour coded pressure gauges and identification labels for quick recognition of the gas / function of the product
- Gas specific inlet fittings to prevent fitting to the wrong gas service
- Suction outlet connection is a nominal 8mm I.D. tubing nipple
- Gauge range is 0 to -25 kPa
- Weighs approximately 500 grams

**Applications:**

This Comweld Suction Attachments is a basic connector with no controls. It serves as a low suction adaptor between the venturi pipeline outlet and the receiver jar assemblies (or other suction collection apparatus being used). This unit is designed to keep the suction performance of the pipeline outlet to a lower level than normal, for more specific low suction applications.

**Spare Parts:**

<table>
<thead>
<tr>
<th>Spare Part</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spare Sintered Filter</td>
<td>WA185</td>
</tr>
<tr>
<td>Spare Outlet Nozzle/Filter Holder</td>
<td>518634</td>
</tr>
<tr>
<td>Spare O-ring (for outlet nozzle)</td>
<td>7964024</td>
</tr>
</tbody>
</table>

**Images:**

- Image of the suction attachment with gauge range and specifications.
- Image of the suction attachment with a label indicating low suction only.
### VACUTRON SUCTION REGULATORS

<table>
<thead>
<tr>
<th>Part No</th>
<th>Selector Switch</th>
<th>Source Vacuum</th>
<th>Regulated Vacuum</th>
<th>Maximum Flow</th>
<th>Gauge Range</th>
<th>Inlet</th>
<th>Connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>554067</td>
<td>Regulated / Off</td>
<td>305-760 mmHg</td>
<td>0-220 mmHg</td>
<td>80 l/min*</td>
<td>0 to -300 mmHg</td>
<td>S.I.S Vacuum Handwheel</td>
<td>Nozzle to suit 8mm I.D. tubing</td>
</tr>
<tr>
<td>554068</td>
<td>Full / Regulated</td>
<td>305-760 mmHg</td>
<td>Max available</td>
<td>80 l/min*</td>
<td>0 to -760 mmHg</td>
<td>S.I.S Vacuum Handwheel</td>
<td>Nozzle to suit 8mm I.D. tubing</td>
</tr>
</tbody>
</table>

**NOTE:** S.I.S (Sleeve Indexed System Handwheel as per AS2896)

*Maximum flow is affected by the performance of the vacuum supply source

- Easy access On / Off selector knob (with full line capability on the high vacuum model)
- Reliable and durable
- Slim line design that saves space
- Adjustable control knob allows the suction level to be set and monitored
- Easy to read vacuum gauge
- Gas specific inlet fittings to prevent fitting to the wrong gas service
- Suction outlet connection is a nominal 8mm I.D. tubing nipple
- Suction nozzle and filter are fitted as standard and are also available as spare parts
- Weighs approximately 675 grams

**Applications:**
The Vacutron range of suction regulators are specifically designed for general patient care. They are designed to control the vacuum level provided by a central suction source. This is then used in conjunction with a collection jar system between the regulator and the patient.

**Spare Parts:**
- Spare Sintered Filter Part No. WA185
- Spare Outlet Nozzle/Filter Holder Part No. 518634
- Spare O-ring (for outlet nozzle) Part No. 7964024

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**COMWELD MEDICAL**

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**SUCTION TRAP JAR**

<table>
<thead>
<tr>
<th>Part No</th>
<th>Colour</th>
<th>Capacity</th>
<th>Inlet</th>
<th>Connections</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>518607</td>
<td>Yellow</td>
<td>400 ml</td>
<td>S.I.S Vacuum Handwheel</td>
<td>Nipple to suit 8mm I.D. Tubing</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** S.I.S (Sleeve Indexed System Handwheel as per AS2896)

**Applications:**
The Suction Trap Jar unit is simply a suction receiver device, suitable for applications where smaller volumes of suction material are to be collected. With an on/off valve incorporated it simply serves as the receiver device for the suction performance of the pipeline outlet / suction system.

**Spare Parts:**
- Spare Receiver Jar: 400ml Part No. 554024
- Spare Vacuum Gauge (optional): 0 to -100 kPa Part No. 522501

- On / off control valve
- Non-return valve if used on Venturi Suction systems
- Fitted with a clip to hold the suction catheter
- A plugged socket is provided to accept an optional vacuum gauge
- Gas specific inlet fittings to prevent fitting to the wrong gas service
- Suction outlet connection is a nominal 8mm I.D. tubing nipple
- Weighs approximately 450 grams

**STATVAC SUCTION ASPIRATOR (O-TWO SYSTEMS Model)**

<table>
<thead>
<tr>
<th>Part No</th>
<th>Driving Gas</th>
<th>Inlet Pressure</th>
<th>Negative Pressure at Maximum Setting</th>
<th>Free Air Displaced</th>
<th>Inlet</th>
<th>Connections</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>554052</td>
<td>Oxygen</td>
<td>400kPa (+/- 15%)</td>
<td>300mmHg (+/- 10%)</td>
<td>30 l/min (+/- 15%)</td>
<td>9/16&quot;–18 D.I.S.S. Barbed nipple to suit suction tubing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** D.I.S.S. (Diameter Indexed Safety System as per CGA V-5)

**Applications:**
The Statvac II Aspirator is a fast, effective and lightweight suction unit that is ideal in emergency situations where portable sources of suction are required, in particular for suctioning out excessive quantities of fluid / particles from a patient's mouth. The most common area of use is in portable resuscitation kits.

- The lightweight of the unit makes it easy to handle and lightens the load on resuscitation kits
- Reliable and durable
- Unique on / off shuttle that controls the suction flow quickly and effectively in an emergency situation
- Suction outlet connection is suitable for standard suction tubing
- Receiver Jar capacity of 140 ml
- Weighs approximately 300 grams
RESUSCITATION KITS

OXY-VIVA 3 RESUSCITATOR

- Simple, rugged and highly portable in a stainless steel case
- Storage compartment to store and protect your systems components
- Simple design for ease of serviceability
- Oxygen Demand Valve Resuscitator provides a resuscitation flowrate of 40-60 l/min and a demand flowrate of 0-160 l/min
- Suction attachment provides a static vacuum of -60kPa (-450mmHg) and a suction flow of 40 l/min free air minimum. With a 250ml trap jar and a nipple to suit 8mm suction tubing
- Pin indexed yoke (Fig.2) gas inlet connection as well as an auxiliary inlet / outlet low pressure oxygen connection
- Therapy flow attachment offering a fixed flowrate of 8 l/min with an on / off lever and nipple to suit 5mm therapy tubing
- Weighs approximately 6.5kg without a cylinder fitted (approximately 10kg with cylinder fitted)
- Dimensions are 57 x 18 x 30cm

Ordering Information:
Oxy-Viva 3 Resuscitator with Demand Valve
Part No. 552090

Applications:
The Oxy-Viva 3 Resuscitator provides the benefits of resuscitation, suction and oxygen therapy all in one compact unit. Operating off a 400 litre (C-size) oxygen cylinder, these three different treatment modes can be used simultaneously or separately for almost any emergency situation. The Oxy-Viva 3 contains equipment to suit an enhanced level of resuscitation training. The system gives you increased flexibility with a gas powered oxygen demand valve resuscitator, a suction attachment with collection jar, a fixed flow oxygen therapy attachment and auxiliary inlet/outlet connection.

Spare Parts:
- Resuscitation Mask, Adult, Size 5 Part No. 515743
- Resuscitation Mask, Child, Size 3 Part No. 515744
- Spare Bodok Seals for cylinder (pk of 10) Part No. 551022
- Service Kit Part No. 518092
- Spare Regulator Inlet Filter (pack of 10) Part No. 551024

(cylinder not included)
R-VIVA EMERGENCY RESUSCITATOR

- Simple, lightweight and resilient
- Plenty of extra storage pockets to store and protect your systems components
- Basic kit design allows for easy addition of other accessories or components
- Oxygen Demand Valve Resuscitator provides a resuscitation flowrate of 40-60 l/min and a demand flowrate of 0-160 l/min
- Suction unit provides a static vacuum of -300mmHg, with a 30 l/min maximum developed suction. With a 140ml trap jar and a nipple to suit 8mm suction tubing
- Pin indexed yoke (Fig.2) gas inlet connection
- Therapy flow attachment offering a fixed flowrate of 8 l/min or 15 l/min with a nipple to suit 5mm therapy tubing
- R-Viva bag made of Fabrec 1000 Denier material
- Weighs approximately 4kg without a cylinder fitted (approximately 7kg with cylinder fitted)
- Dimensions are 64 x 28 x 25cm

Ordering Information:
R-Viva Resuscitator with Demand valve & Suction unit
Part No. 552160

Applications:
The R-Viva Emergency Resuscitator is designed for the professional rescuer. The main component of the kit is the Multe-Flow piston regulator. This regulator has two oxygen outlets to run both the Comweld Demand Valve Resuscitator and Suction unit as well as oxygen therapy selector with two flow settings. This means that the complete kit can provide benefits of resuscitation, suction and oxygen therapy from the one compact unit. Operating off a 400 litre (C-size) oxygen cylinder, these three different treatment modes can be used simultaneously or separately for almost any emergency situation.

Spare Parts:
- Resuscitation Mask, Adult, Size 5 Part No. 515743
- Resuscitation Mask, Child, Size 3 Part No. 515744
- Oxygen Demand Valve Resuscitator Part No. 552095
- Oxygen Supply Hose for Demand Valve Resuscitator or Suction unit Part No. 552086
- Comweld Suction Unit Part No. 554052
- Spare Bodok Seals for cylinder (pk of 10) Part No. 551022

552160
(Cylinder not included)
RESUSCITATION KITS

R-VIVA OXYGEN THERAPY KIT

- Simple, lightweight and resilient
- Comfortable carry handle and shoulder strap
- Stretcher attachment straps to secure the unit during transportation
- Internal pocket space
- External velcro strips for the attachment of an additional pouch, if necessary
- Non slip cylinder holder
- Clear viewing window allows a direct view of the cylinder contents gauge and flow setting when in use
- Therapy flow control offering ten flow selections at flowrates of 1, 2, 3, 4, 5, 6, 7, 8, 10 and 15 l/min and a nipple to suit 5mm therapy tubing
- R-Viva bag made of Fabrec 1000 Denier material
- Weighs approximately 1.5kg without a cylinder fitted (approximately 4.5kg with cylinder fitted)
- Dimensions are 55 x 28 x 15cm

Ordering Information:
R-Viva Oxygen Therapy Kit
Part No. 552162

Applications:
The R-Viva Oxygen Therapy kit is ideal for use in private residences, workplaces and elderly citizens homes for the supply of oxygen. The main component of the kit is the Multi-Flow piston regulator, which has an oxygen therapy selector with ten flow settings. Operating off a 400 litre (C-size) oxygen cylinder this kit is great for almost any oxygen therapy requirement. The inclusion of a mouth to mask system for emergency resuscitation situation adds to this units versatility.

Spare Parts:
- Resuscitation Mask, Adult, Size 5  Part No. 515743
- Resuscitation Mask, Child, Size 3  Part No. 515744
- Spare Bodok Seals for cylinder  Part No. 551022

(Cylinder not included)
OXYGEN DEMAND VALVE RESUSCITATOR

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Manual Flowrate:</th>
<th>Supply Pressure:</th>
<th>Inlet Connection:</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 – 60 l/min</td>
<td>400 kPa nominal</td>
<td>9/16” – 18 D.I.S.S.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Demand Flowrate:</th>
<th>Pressure Relief Valve:</th>
<th>Patient Connection:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – 160 l/min</td>
<td>54 – 60 cmH₂O</td>
<td>22 /15 mm male / female taper</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Demand Flow Triggering System:</th>
<th>Exhalation Resistance:</th>
<th>Weight:</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 cmH₂O @ 100 l/min, maximum</td>
<td>-5 cmH₂O @ 50 l/min, maximum</td>
<td>230 grams</td>
</tr>
</tbody>
</table>

**NOTE:** D.I.S.S. (Diameter Indexed Safety System as per CGA V-5)

- Safe and effective means of delivering oxygen
- Can be used as a demand valve resuscitator or as a standard demand valve
- Integral pressure relief valve
- Can be attached to any standard 400 kPa oxygen outlet, including: hospital outlet valves, regulators, or Twin-O-Vacs

**Ordering Information:**

Oxygen Demand Valve Resuscitator  
Part No. 552095

**Applications:**

The Demand Valve Resuscitator provides a safe and effective means of delivering an oxygen concentration to ventilate non-breathing or respiratory distressed patients. The unit can also be used as a standard Demand Valve to deliver oxygen to spontaneously breathing patients upon demand. The unit is simple, compact and always ready for instant use and attaches to any standard 400 kPa oxygen outlet.

**Spare Parts:**

- Spare Diaphragm Valve  
  Part No. 552082
- Spare Patient Valve Assembly  
  Part No. 552083
- Oxygen Hose Assembly, 2 mtr  
  Part No. 552086
- D.I.S.S = S.I.S connections  
  Part No. 552086

**RESUSCITATION MASKS**

These adult and child masks feature an integral cuff and shell and are designed to help you in emergency situations when spontaneous breathing has ceased.

They have a soft cushion and clear shell giving you both an effective seal and easy visibility of the patient's face and lips.

**Ordering Information:**

- Resuscitation Mask, Adult, Size 5  
  Part No. 515743
- Resuscitation Mask, Child, Size 3  
  Part No. 515744

**515743**  **515744**
Safe and effective means of delivering analgesic gas mixture
- System contains the reliable Series-O Regulator and a reinforced supply hose in addition to the demand valve and the mask
- Demand valve delivers high flow rates with low triggering pressures reducing the amount of effort required from the patient to maintain the flow
- Can be attached to any standard 400 kPa entonox outlet, including: hospital outlet valves and regulators
- Demand valve incorporates a 360° patient valve swivel housing

APPENDIX

Ordering Information:
Analgesic Administration System  Part No. 550010
(inc. Regulator, Demand Valve, Hose Assembly, Mask and Bleed Pin)

Applications:
The Analgesic Administration System is a demand inhalation unit for the administration of 50% Nitrous Oxide / 50% Oxygen (Entonox) analgesic gas mixture. The unit is specifically designed for use in emergency and obstetric analgesia. It is ideal for the relief of pain in a range of situations, including:
- transport accident victims
- accident and emergency wards
- childbirth
- minor surgical procedures such as changing dressings, removing sutures, reduction of fractures

Spare Parts:
- Spare Diaphragm Valve  Part No. 552082
- Spare Patient Valve Assembly  Part No. 552083

Specifications:
- Demand Flowrate: 0 – 160 l/min
- Exhalation Resistance: -5 cmH2O @ 50 l/min, maximum
- Weight: 230 grams
- Demand Flow Triggering Pressure: -5 cmH2O @ 100 l/min, maximum
- Inlet Connection: 5/8” – 18 UN
- Gas: 50% Nitrous Oxide & 50% Oxygen
- Supply Pressure: 400 kPa nominal
- Patient Connection: 22 /15 mm male / female taper
- Demand Flow Triggering Pressure: 5 cmH2O @ 100 l/min, maximum
- Gas: premixed gas

ANALGESIC ADMINISTRATION SYSTEM
ANALGESIC SYSTEMS

16
MIDOGAS ANALGESIC SYSTEM

- Safe and effective means of delivering analgesic gas mixture
- Demand valve feature operates on a minimum patient inspiration
- Gas flow ceases automatically at the end of patient inspiration
- Safety locked at a minimum of 25% oxygen
- Emergency oxygen delivering feature
- Audible whistle and delivery of air in the unlikely event of oxygen failure
- Clear to read Oxygen / Nitrous Oxide scale
- On / off rotating switch, which controls the supply of both gases
- Low resistance expiratory valve ensures patient comfort

Ordering Information:
Midogas Analgesic System
Part No. MA139

Applications:
The Midogas Analgesic System is a demand inhalation unit for the administration of a variable analgesic gas mixture of Nitrous Oxide & Oxygen. Proving it’s durability and popularity over many years, the Midogas unit is highly effective and ideal for the relief of pain in a range of situations such as obstetrics, minor surgery, burn dressing, and emergency accident victims.

Contents:
The Midogas Analgesic unit, Wall model (p/no. MA139) consists of:
- Midogas Unit
- Handpiece
- Adult Mask Size 5
- Antistatic Corrugated Tube (1 mtr)
- Antistatic Tube Adaptor
- Oxygen Hose Assy (2 mtrs)
- Nitrous Oxide Hose Assy (2 mtrs)
- Wall mounting bracket

PLEASE NOTE: The MIDOGAS, MA139 and 512071 are no longer available from CIGWELD as of the 15th November 2013.

For future MIDOGAS Unit Supply:
Contact: PDMedical
Peter Deliopoulos | General Manager
Mob: 0417 055 143
Office: (03) 9708 9708
peter@pdmedical.com.au
High quality performance and reliability
Available in a range of gases and suction services
Unique gas specific diameter indexing system prevents incorrect assembly of units on installation or when dismantled for maintenance
High flow capability
Quick connect or screw type models available
Minimum parts for simplicity and lower maintenance costs
Highly visible colour coded name plates make it easy to identify the gas or suction service
Suits various installation requirements – wall, pendant, column or duct mounting
Gas supply tube can be positioned either up or down to suit installation (MK 3 models only)

Applications:
The Multepoint 3 ranges of terminal wall outlets are designed for hospital gas systems. This series of model continues the tradition for high quality, performance and reliability of the Multepoint name.

Accessories:

<table>
<thead>
<tr>
<th>Gas</th>
<th>Handwheel Kit</th>
<th>Part No.</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxygen</td>
<td>Oxygen Handwheel Kit</td>
<td>518406</td>
<td></td>
</tr>
<tr>
<td>Medical Air</td>
<td>Medical Air Handwheel Kit</td>
<td>518405</td>
<td></td>
</tr>
<tr>
<td>Nitrous Oxide</td>
<td>Nitrous Oxide Handwheel Kit</td>
<td>518407</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: S.I.S. (Sleeve Indexed Safety System as per AS2896)
ACCESSORIES & SPARES

3 WAY ADAPTORS

Extends the use of a single gas outlet to enable two gas hoses or two pieces of equipment to be used simultaneously. All connections coded and self sealing.

Ordering Information:
- Oxygen 3 Way Adaptor Part No. 551140
- Air 3 Way Adaptor Part No. 551141
- Nitrous Oxide 3 Way Adaptor Part No. 551142

HOSE ASSEMBLIES

Ready to use gas supply hoses consisting of 4 metres of tubing fitted with colour coded, non interchangeable handwheels.

Ordering Information:
- Oxygen Hose Assembly Part No. MA164
- Air Hose Assembly Part No. MA165
- Nitrous Oxide Hose Assembly Part No. MA166

HANDWHEEL KITS

Each kit contains a colour coded non-interchangeable handwheel plus three different sized nipples (5mm, 1/4", 8mm), O-rings, O-clips and plastic shrink sleeve.

Ordering Information:
- Oxygen Handwheel Kit Part No. 518406
- Air Handwheel Kit Part No. 518405
- Nitrous Oxide Handwheel Kit Part No. 518407

GAUGE

Ordering Information:
- Contents Gauge, Plain, 30000 kPa, Series-O Regulator Part No. 551042
- Contents Gauge, Nitrous Oxide, 20000 kPa, Series-O Regulator Part No. 551043
- Contents Gauge, Air, 30000 kPa, Series-O Regulator Part No. 551044
- Contents Gauge, Oxygen, 30000 kPa, Series-O Regulator Part No. 551045
- Flow Gauge, Vacuum, -100kPa, Twin-O-Vac & Suction Attachments Part No. 552501
- Flow Gauge, Oxygen, 0–14 l/min, TM17 Flowmeter Part No. 551041
ACCESSORIES & SPARES

CYLINDER KEYWHEEL OR SPANNER

A keywheel or spanner design product to turn medical gas cylinders on and off with a minimum of effort.

Ordering Information:
Cylinder Keywheel  Part No. 511956
Cylinder Spanner  Part No. 551162

FLOWMETER NUT / NIPPLES (Packet of 10)

Suits Ezi-Flow and TM style flowmeters

Ordering Information:
Oxygen Nut / Nipples (pack of 10)  Part No. 515830
Air Nut / Nipples (pack of 10)  Part No. 515849

BODOK SEALS (Packet of 10)

Suits Series-O regulators or any equipment with pin indexed yoke inlet fittings for medical gas cylinders.

Ordering Information:
Bodok Seals (Packet of 10)  Part No. 551022

BACTERIA FILTERS (Packet of 100)

Spare filters for all Twin-O-Vac units.

Ordering Information:
Bacteria Filters (Packet of 100)  Part No. 554050