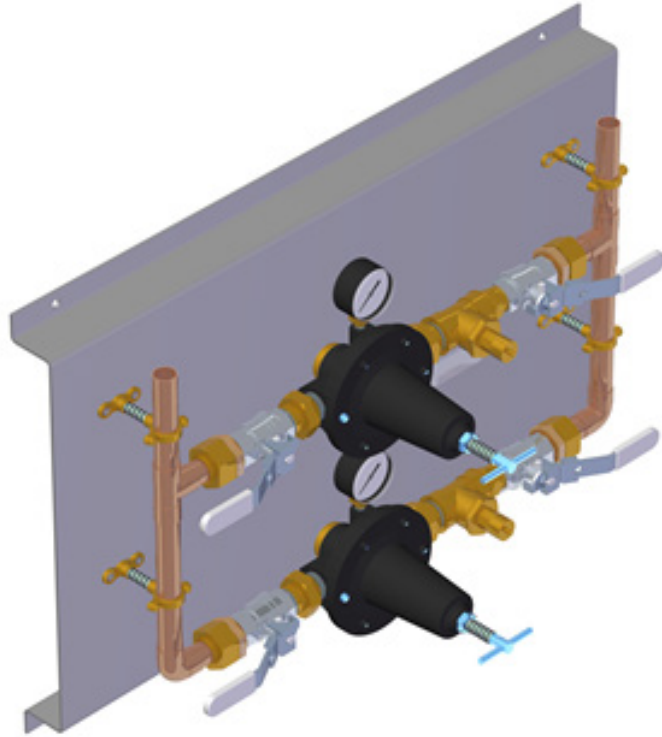


# Operation and Maintenance Instructions



## Pressure Regulator Supply System

*Part number 4233500364*

*Revision 03*



**BEACONMEDAES<sup>®</sup>**

# Operation and Maintenance Manual

## Pressure Regulator Supply System

This unit is purchased from:

Date purchased:

Model number:

Serial number:

Option(s) included:

Any information, service or spare parts requests should include the serial number and be directed to:

BeaconMedæs Limited  
Greaves Close, Markham Vale,  
Chesterfield, S44 5FB, UK

Telephone: +44 (0) 1246 474242  
Email: [gbn.info@beaconmedaes.com](mailto:gbn.info@beaconmedaes.com)  
Website Contacts: [www.beaconmedaes.com](http://www.beaconmedaes.com)

BeaconMedæs reserves the right to make changes and improvements to update products sold previously without notice or obligation.



BeaconMedæs Limited, Greaves Close, Markham Vale,  
Chesterfield, S44 5FB, UK



Personnel must make themselves familiar with the contents of this manual and the function of the unit before installing, operating or maintaining.

Abbreviations			
Abbreviation	Full Description	Abbreviation	Full Description
BS	British Standard	kPa	Kilo pascals
BSP	British Standard Pipe	Max	Maximum
CO2	Carbon dioxide	Med	Medical
°C	Degree Celsius	m	Meter
∅	Diameter	mm	Millimetres
ERM	Emergency reserve manifold	Min	Minimum
EN	European Standards	N2	Nitrogen
1st	First	N2O	Nitrous oxide
HTM	Health Technical Memorandum	NRV	Non-return valve
ID	Identification	OD	Outside Diameter
"	Inch	O2	Oxygen
ISO	International Standard Organisation	%	Percentage
Kg	Kilograms	2nd	Second

**Issue Record**

Document No	Revision No.	Details of Changes	Date
4233500364	03	IAR10718: 11bar Pressure Relief Valve change	14-JAN-2025

**Introduction**

This manual contains information needed to install, operate and maintain the BeaconMedaes Pressure Regulator Supply System.

The contents of this manual are intended to be read and used by suitably qualified personnel.

**WARNINGS, CAUTIONS and NOTES**

The following Warnings, Cautions, and Notes must be read and understood before using the Pressure Regulator Supply System.

**Warnings!**

**Warnings tell you about dangerous conditions that could lead to death or serious injury to the user that can occur if you do not obey all of the instructions in this manual.**

1. *Read through this entire instruction manual before using or showing others how to use this equipment. As with all medical equipment, attempting to use this device without a thorough understanding of its operation may result in patient or user injury.*
2. *Do not attempt to modify this device in any way not strictly described within this manual.*
3. *Pressure Regulator Supply System must be protected from access by unauthorised personnel.*
4. *Risk of fire or explosion: Do not lubricate this product with oil or grease. Safe and compatible lubricants can be obtained from BeaconMedaes if necessary.*
5. *Do not use this product if it is damaged in any way or if there is evidence of contamination internally or on any of gas wetted connections (e.g. debris, particles, oil, lubricant or grease).*
6. *Use of sub-standard or inappropriate parts and materials may damage the line valve and invalidate the warranty. Use only genuine Atlas Copco Medical spare parts.*
7. *Obtain a work permit before commencing any work on medical gas equipment*

**Cautions!**

**Cautions tell you about dangerous conditions that can occur and cause damage to the equipment if you do not obey all of the instructions in this manual.**

1. *Use of sub-standard or inappropriate parts and materials may damage the product and invalidate the warranty. Only use genuine BeaconMedaes spare parts.*
2. *Always wash leak detection fluids off with clean water immediately after use.*
3. *Always open valves slowly.*
4. *Be careful not to over-torque face seal fittings.*
5. *Only use leak detection fluids that are compatible with BS 14291 and our recommended product is Teepol. Always wash leak detection fluids off with clean water immediately after use.*
6. *Caution: If the "Pressure Regulator Supply System" is received with damaged packaging the product maybe compromised. Before putting into use check for any visible signs of damage to the product, with special attention to components that will be in contact with the medical gas with regard to ruptures or compromised cleanliness. Contact [BeaconMeades] for guidance regarding repair or replacement if needed.*

**Notes:**

1. *All information, specifications and illustrations within this manual are those in effect at the time of printing.*
2. *The manufacturer reserves the right to change or make improvements without notice and without incurring any obligation to make changes or add improvements to products previously provided.*
3. *A notice to the user and/or patient that any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.*

### Scope of this manual

This manual describes the Operation Service, Repair and Testing of the BeaconMedaes Pressure Regulator Supply System BeaconMedaes service contact

In the event of any queries or problems that cannot be resolved using information in this manual, please call:

+44 (0) 1246 474 242

Quote if possible, the:

- Product part number
- Lot/ Batch number
- Approximate date of purchase
- Apparent fault

### Abbreviations used

The following abbreviations are used in this manual:

Abbreviation	Full Name
MGS	Medical Gas Solutions
GMDN	Global Medical Device Nomenclature
EC MDD	European Commission Medical Devices Directive
GHTF	Global Harmonization Task Force
°C	Degrees Centigrade
R.H.	Relative Humidity
kPa	kilopascal
IP4X	Ingress Protection Standard
l/min	Litres per Minute

### Scope of this manual

This manual describes the Operation Service, Repair and Testing of the PPressure Regulator Supply System.

BeaconMedaes service contact

In the event of any queries or problems that cannot be resolved using information in this manual, please call:

+44 (0) 1235 463051

Quote if possible, the:

- Product part number
- Lot/ Batch number
- Approximate date of purchase

- Apparent fault

### Storage and Handling

All products are separately packaged and stored in under controlled conditions. Adverse environmental conditions and harsh abrasives or chemicals may cause damage.

### Identification

PRS control panels can be identified by the label fixed to the metal backplate and is visible through the cover window.

### Environmental Conditions

PRS's can be safely handled and stored under normal working and environmental conditions. Adverse environmental conditions and harsh abrasives or chemicals may cause damage to the unit.

### Environmental Transport and Storage Conditions

All products are separately packaged and stored in controlled conditions.

Minimum storage temperature: 0°C

Maximum storage temperature: +40°C

### Environmental Operating Conditions

Adverse environmental conditions and harsh abrasives or chemicals may cause damage to the unit.

Minimum working temperature: -15°C

Maximum working temperature: +60°C

<b>Table of Contents</b>	
<b>Issue Record</b>	<b>3</b>
<b>Introduction</b>	<b>3</b>
<b>WARNINGS, CAUTIONS and NOTES</b>	<b>3</b>
<b>Abbreviations used</b>	<b>4</b>
<b>Storage and Handling</b>	<b>4</b>
<b>Identification</b>	<b>4</b>
<b>Environmental Conditions</b>	<b>4</b>
<b>1 Description</b>	<b>6</b>
1.1 Intended Use	6
1.2 Features	6
1.3 General Description	6
1.3.1 Modular Unit with Local Alarm Panel	6
1.3.2 Single Unit - Flush or Surface Mounted	6
1.3.3 Gas/ vacuum Identification	6
1.3.4 Access to Valve	6
<b>2 Technical Specification</b>	<b>7</b>
2.1 Technical Specification Table	7
<b>3 User Responsibility</b>	<b>7</b>
<b>4 Description of Symbols</b>	<b>8</b>
<b>5 Installation</b>	<b>8</b>
5.1 Environmental Conditions - Installation	9
5.2 Mounting	10
5.3 Dimensions	10
<b>6 Commissioning</b>	<b>10</b>
6.1 Introduction	10
6.2 Pre-use Test	10
<b>7 Operating Instructions</b>	<b>11</b>
<b>8 Maintenance</b>	<b>12</b>
8.1 Introduction	12
8.2 Tools and equipment	12
8.3.1 Cleaning	12
8.3.2 Minimum Requirements	12
8.3.3 Safety Relief Valves	12
<b>9 Fault Diagnosis</b>	<b>13</b>
<b>10 Recommended Spares</b>	<b>14</b>

## Storage and Handling

### Storage

All products are separately packaged and stored under controlled conditions.

### Identification

Pressure Regulator Supply System can be identified by the machine number label fixed to the metal backplate.

### Environmental Conditions

Pressure Regulator Supply System can be safely handled and stored under normal working and environmental conditions.

Adverse environmental conditions and harsh abrasives or chemicals may cause damage to the unit.

## 1 Introduction

Pressure Regulator Supply System provide reliable pressure reduction of medical gases between the supply source and the distribution system.

Pressure Regulator Supply System is designed to regulate line pressure from 10 to 7 bar surgical air or 7 to 4 bar medical air based on three pipe sizes: 15mm, 22mm and 28mm, sized for different flow rate capacities. Refer to the Technical Specification (Table 2-1).

Pressure Regulator Supply System is often installed where medical and surgical quality air is generated by a common supply source. Both Simplex and Duplex variants come complete with pressure safety valves and pressure gauges indicating the delivered pressure.

### 1.1 Features

- Pressure relief valves are fitted as standard.
- Simplex or Duplex units are available.

### 1.2 Description

The Duplex Pressure Regulator Supply System consists of two adjustable pressure regulators, complete with outlet pressure gauges, mounted on a backplate with four pre-drilled holes for easy installation.

The inlet to the Pressure Regulator Supply System is common to feed both banks. Downstream of the regulators, the outlet pipe is common to give a single connection to the distribution pipeline.

The Simplex Pressure Regulator Supply System consists of one single adjustable pressure regulator, complete with outlet pressure gauge.

Common features:

- Isolation valves are fitted immediately upstream and downstream of each regulator for maintenance purposes.
- Pressure relief valves are provided to ensure safe work pressure in the event of regulator failure.

### 1.2.1 Ball Valves

Atlas Copco Medical ball valves are constructed from a brass body.

The ball plug and valve stem are machined to a high surface finish and electrolytically coated with chrome to resist wear and chemical attack. The valve stem has an integral ball sealed by both nitrile seats and O-ring seals.

### 1.2.2 Safety Relief Valves

Atlas Copco Medical safety relief valves are the high lift, atmospheric discharge type, suitable for medical air and oxygen applications. The flow is de-rated and measured in accordance with BS6759 part 2: 1984. The valve re-seats by minus 10% of the set pressure.

### 1.2.3 Pressure Regulators

Pressure regulators, supplied as part of a Pressure Regulator Supply System, are modified by Atlas Copco Medical personnel to include pressure gauges and blanking plugs to improve their performance and service life.

Note: Pressure regulators are supplied Oxygen clean. If necessary, only Oxygen safe lubricants should be used. Contact the Atlas Copco Medical Service Department for further information.

Pressure Regulator Supply System	
<b>Physical Characteristics:</b>	
Height	Varies with model
Width	Varies with model
Depth	Varies with model
Weight	Varies with model
<b>Environmental Transport, Storage and Operating Conditions:</b>	
Storage temperature limit	0 to 40°C
Operating temperature limit	-15 to 60°C
Humidity	10 to 95% R H Non-condensing
Air pressure	Operating: 90 to 110 kPa
Mode of operation	Continuous (may be left on indefinitely)
Ingress Protection Class	IP4X – for indoor installation only
Degree of mobility	Permanently installed
<b>Performance:</b>	
Operating pressure range (operating)	See Tables 2-2 and 2-3
Volumetric flow rate	See Tables 2-2 and 2-3

Note: Maximum inlet pressure 28 bar

### 2.1.1 Simplex Units

Inlet/Outlet Pressure	Flow	Connection Size
7-4 Bar	1400 L/min	15mm
10-7 Bar	2950 L/min	15mm
7-4 Bar	2400 L/min	22mm
10-7 Bar	4000 L/min	22mm
7-4 Bar	3000 L/min	28mm
10-7 Bar	5000 L/min	28mm

### 2.1.2 Duplex Units

Inlet/Outlet Pressure	Flow	Connection Size
7-4 Bar	1400 L/min	15mm
10-7 Bar	2950 L/min	15mm
7-4 Bar	2400 L/min	22mm
10-7 Bar	4000 L/min	22mm
7-4 Bar	3000 L/min	28mm
10-7 Bar	5000 L/min	28mm

## 2 General Information

The device shall operate in a manner that complies to both HTM 02-01 and ISO 7396-1 requirements. This device is defined within ISO 7396-1 as one or more source of supply which assists with maintaining continuity of supply to the medical gas pipeline. The device group scope covers the following types of source equipment.

- Supply systems with cylinders
- Supply systems with cryogenic vessels

Note – medical cylinders and cryogenic vessels are not within the scope of the device

### Intended Use

The device is intended to work in conjunction with other devices within the medical gas pipeline system (MGPS) to assist with maintaining continuity of medical gas supply throughout the hospital to local connection points for eventual introduction into the human body.

The device controls the gas pressure within the specification as required by the MGPS. In all cases other devices outside of this scope are connected downstream of the MGPS are required to control the final gas pressure and flow requirements for safe supply to the patient. Therefore, this device is not intended to control supply parameter hazards directly to the patient, only to the MGPS.

## Intended patient population

The device is intended to be used in conjunction with other medical gas pipeline equipment in hospitals and have no direct contact with patients. Medical Gas Pipeline Systems supply medical gases to medical equipment which can be used across any populations & all age groups.

## Intended user profile

Pressure Regulator Supply System are intended for use by appropriately qualified and trained personnel only who have undergone relevant 'HTM 02-01 Authorised Person' (AP) training regarding the safe use of medical gas supply systems.

The device should only be installed, commissioned, operated, and maintained by technicians who are suitably trained with medical gas systems, such as Competent or Authorised Persons as defined in UK Department of Health Technical Memorandum No. 02-01 (HTM 02-01 Part B: Operational Management). The device is intended for use by appropriately qualified technical personnel only. This condition is emphasised in the IFUs.

Reference: HTM 02-01 Medical gas pipeline systems – Part B: Operational Management

Authorised Person (MGPS)

4.21 The Authorised Person (MGPS) is defined as that person designated by the Executive Manager to be responsible for the day-to-day management of the MGPS at a particular site or sites. This includes the issue of permits in accordance with the permit-to-work procedure. The principal responsibilities of the Authorised Person (MGPS) in respect of the permit-to-work procedure are set out in paragraph 6.91. The Authorised Person (MGPS) also has specific duties with regard to VIE installations (see Appendix E).

Competent Person (MGPS)

4.40 The Competent Person (MGPS) is the person who carries out the installation and/or maintenance work on the MGPS. A list of his/her responsibilities and duties is set out in paragraph 6.92. The Competent Person (MGPS) should have received appropriate training and should be on a list of Competent Persons (MGPS). In the case of directly employed labour, this list should be held by the Authorised Person (MGPS); in the case of contracted labour, it should be held by the contractor's Authorised Person (MGPS) or project manager.

Part B: Operational Management

Authorised Person (MGPS)

4.21 The Authorised Person (MGPS) is defined as that person designated by the Executive Manager to be responsible for the day-to-day management of the MGPS at a particular site or sites. This includes the issue of permits in accordance with the permit-to-work procedure. The principal responsibilities of the Authorised Person (MGPS) in respect of the permit-to-work procedure are set out in paragraph 6.91. The Authorised Person (MGPS) also has specific duties with regard to VIE installations (see Appendix E).

Competent Person (MGPS)

4.40 The Competent Person (MGPS) is the person who carries out the installation and/or maintenance work on the MGPS. A list of his/her responsibilities and duties is set out in paragraph 6.92. The Competent Person (MGPS) should have received appropriate training and should be on a list of Competent Persons (MGPS). In the case of directly employed labour, this list should be held by the Authorised Person (MGPS); in the case of contracted labour, it should be held by the contractor's Authorised Person (MGPS) or project manager.

## Indications

Pressure Regulator Supply System are used as part of medical gas pipeline systems where an uninterrupted supply of medical gas is required. The medical device works in conjunction with other medical devices for the immediate and reliable delivery of medical gas to terminal units used for respiratory use in health-care facilities. In all cases there are medical devices installed between this device and the patient that controls the flow and pressure to safe levels to the patient. This device therefore only delivers medical air within specification to the medical gas pipeline system, not directly to the patient.

## Contraindications

If the device sustains any damage or malfunctioning, the assembly or faulty part should be replaced completely. This ensures all damaged components are replaced.

Contraindications for use, warnings and precautions related to the safe use of the devices are detailed in the IFU supplied with the devices. These sections shall be read by the intended user before installing the device and starting to use it.






### 3 User Responsibility

This device has been built to conform to the specification and operating procedures stated in this manual and/ or accompanying labels and notices when checked, operated, maintained and serviced in accordance with these instructions. To ensure the safety of this device it must be checked and serviced to at least the minimum standards laid out in this manual. A defective or suspected defective product must not be used under any circumstances.

The user must accept responsibility for any malfunction which results from non-compliance with the servicing requirements detailed in this manual. Additionally, the user must accept responsibility for any malfunction which may result from misuse of any kind, or non-compliance with other requirements detailed in this manual. Worn, broken, distorted, contaminated or missing components must be renewed immediately. Should such a repair be necessary, it is recommended that a request for service advice be made to the nearest Atlas Copco Medical Service Centre.

This device and any of its constituent parts must be repaired only in accordance with written instructions issued by Atlas Copco Medical and must not be altered or modified in any way without the written approval of Atlas Copco Medical. The user of this equipment shall have the sole responsibility for any malfunction which results from improper use, maintenance, repair, damage or alteration by anyone other than Atlas Copco Medical or their appointed agents.

### 4 Description of Symbols

Symbol	Meaning
	Atmospheric pressure limitation
	Humidity limitation
	Temperature limit
	Consult instructions for use
	The number 2460 identifies the notifying body

### 5 Operating Instructions

Figures 5-1 and 5-2 show a Simplex and Duplex Pressure Regulator Supply System respectively. Refer to Tables 10-1 to 10-6 for the item number part numbers.

The Simplex Pressure Regulator Supply System is normally operated with both isolation valves open each side of the regulator.

The Duplex Pressure Regulator Supply System is normally operated with one of the pressure regulators as the Duty regulator and the other regulator as the Standby regulator. This is achieved by turning the isolating valves to the 'inline' open position each side of the Duty regulator. To isolate the Standby regulator, the isolation valves must be turned to the closed position each side of the Standby regulator.

Note: Either regulator can be Duty or Standby. All isolation valves are shown open, although in normal operation only one regulator would be in use.

To change from one regulator to the other, first open the isolation valve upstream of the Standby regulator. Check the static pressure reading on the Standby pressure gauge. Adjust, if necessary using the tee bar on the top of the regulator, these are factory set and locked. They should not require adjustment on installation; however periodic adjustment during service may be necessary.

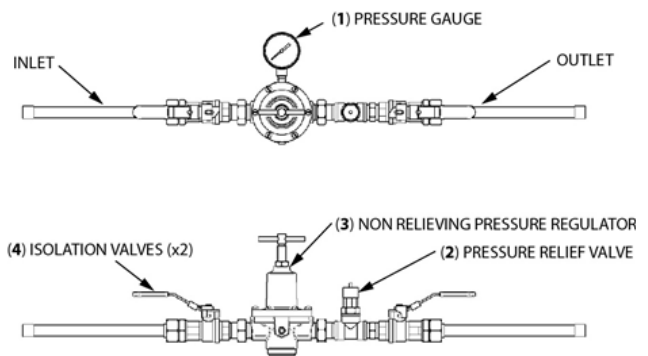


Figure 5-1 Simplex Unit

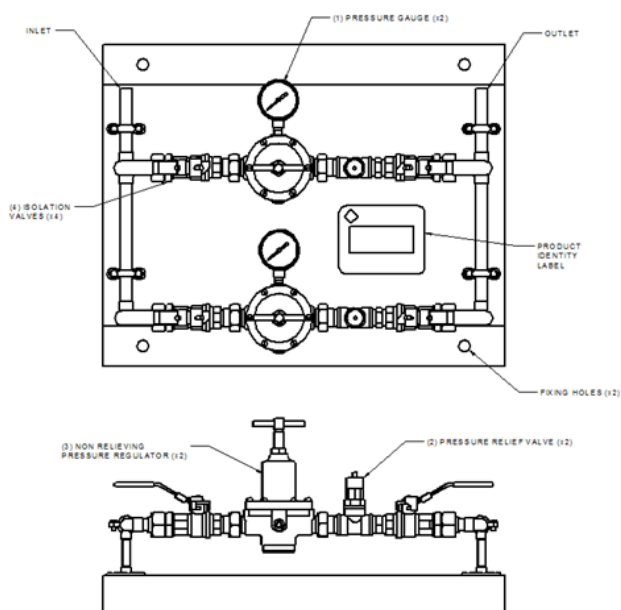


Figure 5-2 Duplex Unit

## 6 Installation

Pressure Regulator Supply System should only be installed, commissioned, and maintained by technicians who are suitably trained with piped medical gas systems and are fully conversant with the contract specifications and safety procedures.

### 6.1 Environmental Conditions - Installation

Notes:

1. Keep all components dry and clean during installation.
2. Pressure Regulator Supply System can be safely handled and stored under normal working and environmental conditions.
3. Adverse environmental conditions and harsh abrasives or chemicals may cause damage to the unit.

Install the system as directed by the site engineer for the optimum position.

1. Check that the specified pressure safety valves, non-return valves and line valves have been fitted.
2. Verify that the valves are certified to operate in accordance with the contract specification and conform to BS 6759: part 2 1984.

Notes:

1. Take care when brazing into the gas pipeline to prevent damage to the regulator due to heat transfer.
2. Atlas Copco Medical will not accept responsibility for damage caused during installation.

## 7 Commissioning

### 7.1 Introduction

Commissioning is carried out in full:

- after initial installation,
- after a major component change,
- as part of a planned preventative maintenance programme.

The object of commissioning is to ensure that all components are serviceable.

Personnel carrying out the following commissioning procedure must be qualified and fully conversant with the information contained in this manual.

Commissioning consists of alternately checking the gas flow through each side of the set (Duplex systems) and ensuring that the pressure is reduced to the required level.

Pressure Regulator Supply System are tested and certified before despatch from the manufacturing plant; there should be no need to make adjustments during commissioning.

### 7.2 Pre-use Test

Pressure Regulator Supply System are subjected to a series of tests including visual inspections and pressure tests:

1. Pressure test the copper pipework to 11 bar.
2. Check the operation of the pressure relief valves.
3. Subject pressure regulators to creep test.
4. Compare the accuracy of the gauges to the test rig.
5. Set the regulator pressures.
6. Leak test.
7. Inspection of overall finish of the assembly.

## 8 Maintenance

**WARNING!** Use of sub-standard or inappropriate parts and materials may damage the line valve and invalidate the warranty. Use only genuine Atlas Copco Medical spare parts.

**WARNING!** Obtain a work permit before commencing any work on medical gas equipment.

### 8.1 Introduction

Pressure Regulator Supply System are designed to operate with the minimum of maintenance. Regular routine minor maintenance operations are recommended to prove the system integrity. Maintenance operations must be carried out in accordance with the planned preventative maintenance contract purchased by the customer. Maintenance engineers must fully understand the operation of line valves and conversant with the information contained in this manual. Service and maintenance is limited to renewal of worn or damaged components.

### 8.2 Tools and Equipment

No special tools are required. Before commencing maintenance procedures, all common hand tools used must be clean, completely free of oil and grease and checked for serviceability. All necessary spare parts must be obtained before commencing work.

### 8.3 Routine Inspection, Checks and Maintenance

Minimum requirements for routine inspections, checks and maintenance are given in Table 8-1 and must be observed in full to ensure continued safe operation of the line valve system.

#### 8.3.1 Safety Relief Valves

All Pressure Regulator Supply System include safety relief valves with easing gear. The correct maintenance procedure once installed is:

Every Six Months: Ensure free movement of all parts, using the easing gear, when the valve is under pressure of not less than 75% of the set pressure.

Every Twelve Months: Safety relief valves should be checked for correct function as above and for

correct lift pressure.

To do this, remove the valve from the set and test using the external test rig.

Under no circumstances increase the operating pressure of the set in an attempt to test safety relief valves.

**NOTE:** It is possible to test the correct lift pressure of the regulator output safety valve by isolating ONLY the output of the Standby line pressure regulator (clockwise to increase pressure).

### 8.4 Cleaning

The use of abrasive or solvent based cleaning solutions is not recommended.

Cleaning external surfaces - Use a damp cloth only. Mild soap solution may be used but detergent/ surfactant solutions are not recommended.

Do not use any phenol or halogen based disinfectants or agents that release chlorine or oxygen.

### 8.5 Fault Diagnosis

There are a number of faults that can be diagnosed on Pressure Regulator Supply System. These are relatively simple to remedy without renewing regulator assemblies.

The majority of faults can be avoided by undertaking a regular planned maintenance routine, carried out by a competent person.

**Note:** Failure through misuse or abuse is usually not repairable and is not covered by the manufacturer's warranty.

Table 8-2 Leaking from Bonnet Vent Hole	
Possible Cause	Remarks/ rectification action
Diaphragm split or punctured	Renew diaphragm
Table 8-3 Leak from Back Knurled Nut	
Possible Cause	Remarks/ rectification action
O-ring split or perished	Renew O-rings
Table 8-4 Regulator Setting Erratic or Creeping	
Possible Cause	Remarks/ rectification action
Valve seat or plunger seal damaged / perished	Renew seat or plunger seals and O-rings

		Inspection, Checks and Tests:					
		Commissioning	Monthly	Quarterly	6 monthly	Annually	5 yearly
Actions	Ambient temperature	•	•				
	Suitability of location	•					
	Adequate room ventilation	•					
	Adequate access for maintenance	•		•		•	•
	Visually inspect the unit for damage	•	•			•	
	Ensure free movement of all parts	•	•			•	
		Planned Preventative Maintenance:					
Complete Commissioning Procedure		•				•	•
Check regulator pressure gauges are set correctly, adjust if necessary		•	•	•		•	•
Safety Relief Valve - see 9.3.3			•		•		

Table 8-1 Inspection and Maintenance Schedule

## 9 Spares

The recommended holding of spares depends upon the number of Pressure Regulator Supply System installed and is detailed in Tables 10-1 to 10-6. The number recommended for overseas customers is expressed in brackets and takes into account expected transport delays.

The item numbers in the Tables refer to Figures 5-1 and 5-2.

Item	Description	Part Number	Number of Panels Installed		
			1-3	4-6	7+
1	0-11 bar Ø50mm 1/8" BSP Gauge	5004270	1 (1)	2 (2)	2 (3)
2	¼" Pressure Relief Valve – 5.5 bar	3261116	1 (1)	2 (2)	2 (3)
3	½" Non-Relieving Regulator Assembly	6001552	1 (1)	2 (2)	2 (3)
4	¾" Lockable Line Valve	6001539	1 (1)	2 (2)	2 (3)

*Table 10-1 Minimum Recommended Spares Scheduling: –  
15 mm Simplex and Duplex PRS 7-4 bar*

Item	Description	Part Number	Number of Panels Installed		
			1-3	4-6	7+
1	0-11 bar Ø50mm 1/8" BSP Gauge	5004270	1 (1)	2 (2)	2 (3)
2	¼" Pressure Relief Valve – 11 bar	3261478	1 (1)	2 (2)	2 (3)
3	½" Non-Relieving Regulator Assembly	6001551	1 (1)	2 (2)	2 (3)
4	¾" Lockable Line Valve	6001539	1 (1)	2 (2)	2 (3)

*Table 10-2 Minimum Recommended Spares Scheduling: –  
15 mm Simplex and Duplex PRS 10-7 bar*

Item	Description	Part Number	Number of Panels Installed		
			1-3	4-6	7+
1	0-11 bar Ø50mm 1/8" BSP Gauge	5004270	1 (1)	2 (2)	2 (3)
2	¼" Pressure Relief Valve – 5.5 bar	3261116	1 (1)	2 (2)	2 (3)
3	¾" Non-Relieving Regulator Assembly	6001554	1 (1)	2 (2)	2 (3)
4	1" Lockable Line Valve	6001540	1 (1)	2 (2)	2 (3)

*Table 10-3 Minimum Recommended Spares Scheduling: –  
22 mm Simplex and Duplex PRS 7-4 bar*

Item	Description	Part Number	Number of Panels Installed		
			1-3	4-6	7+
1	0-11 bar Ø50mm 1/8" BSP Gauge	5004270	1 (1)	2 (2)	2 (3)
2	¼" Pressure Relief Valve – 11 bar	3261478	1 (1)	2 (2)	2 (3)
3	¾" Non-Relieving Regulator Assembly	6001553	1 (1)	2 (2)	2 (3)
4	1" Lockable Line Valve	6001540	1 (1)	2 (2)	2 (3)

*Table 10-4 Minimum Recommended Spares Scheduling: –  
22 mm Simplex and Duplex PRS 10-7 bar*

Item	Description	Part Number	Number of Panels Installed		
			1-3	4-6	7+
1	0-11 bar Ø50mm 1/8" BSP Gauge	5004270	1 (1)	2 (2)	2 (3)
2	¼" Pressure Relief Valve – 5.5 bar	3261116	1 (1)	2 (2)	2 (3)
3	1" Non-Relieving Regulator Assembly	6001556	1 (1)	2 (2)	2 (3)
4	1¼" Lockable Line Valve	6001541	1 (1)	2 (2)	2 (3)

*Table 10-5 Minimum Recommended Spares Scheduling: –  
28 mm Simplex and Duplex PRS 7-4 bar*

Item	Description	Part Number	Number of Panels Installed		
			1-3	4-6	7+
1	0-11 bar Ø50mm 1/8" BSP Gauge	5004270	1 (1)	2 (2)	2 (3)
2	¼" Pressure Relief Valve – 11 bar	3261478	1 (1)	2 (2)	2 (3)
3	1" Non-Relieving Regulator Assembly	6001555	1 (1)	2 (2)	2 (3)
4	1¼" Lockable Line Valve	6001541	1 (1)	2 (2)	2 (3)

*Table 10-6 Minimum Recommended Spares Scheduling: –  
28 mm Simplex and Duplex PRS 10-7 bar*

For all Service Spares enquiries, contact the Atlas Copco Medical Spares Department giving as much of the following information as possible.

- Product Part Number:
- Lot/ Batch Number:
- Approximate date of purchase:

Contact details:  
BeaconMedaes Limited  
Greaves Close, Markham Vale,  
Chesterfield, S44 5FB, UK

T: +44 (0) 1246 474242



Tel: +44 (0) 1246 474242  
www.beaconmedaes.com



Atlas Copco Airpower n.v.  
Boomsesteenweg 957  
2610 Wilrijk - Belgium



BeaconMedaes Limited, Greaves Close, Markham Vale,  
Chesterfield, S44 5FB, UK

