

Leaders in Specialty Gas Solutions

CAC
G A S A S I A

Coal Mining



CAC GAS & Instrumentation provides specialty gas mixtures for all coal mining applications including portable handheld testing, machine mount detection, fixed systems, tube bundle and GC Systems meeting the requirements of AS 2290.3: 2018 and NATA ISO 17025 Annex H.

ISO 17025 gas mixtures are now available in small cylinder sizes including 34, 65, 103 and 112 litre cylinder sizes. NATA calibrations can now be completed with these cylinder mixtures.

As a total solution provider, CAC GAS supplies calibration gas mixtures, regulators, gas control systems, Gas Distribution Systems, Gas Mixers, Gas Generators and a variety of support accessories.

PORTABLE, FIXED AND VEHICLE MOUNT GAS OPTIONS

4 IN 1 SOLUTION

103 Litre Cylinder or the 552 Litre Cylinder is available as a 4GAS Mixture or with multiple or binary gas mixtures of CO₂, CO, CH₄, O₂, SPAN GAS.

The 4 in 1 Solution provides coal mines four gases in one cylinder, providing the ability to span test any one of the gas sensors, reducing the number of different gas mixtures on site and decreasing overall cost.

THE 552 SOLUTION

The 552L Cylinder is a high pressure cylinder for any of the non-corrosive gases.

It comes as an individual cylinder or in a kit which includes the gas cylinder, back pack, fixed flow regulator and tubing. Simply connect the regulator and put on the back pack. The tubing has a stop cock so you can move from sensor to sensor without turning off the cylinder.



Custom Gas Mixtures

Gas Control

Gas Generators

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WWW.CACGAS.COM.SG

CAC@CACGAS.COM.SG



TUBE BUNDLE INTEGRITY TESTING

The 552 is an ideal solution for tube bundle integrity testing. It provides sufficient gas to test multiple lines, the 552 backpack allows the miner to do the job with ease.

Cylinder carrying cases and backpacks are also available in 2, 3 and 4 cylinder options.

SPECIALTY GAS MIXTURES - HIGH PRESSURE CYLINDERS

SINGLE AND MULTI-GAS MIXTURES

CO₂, CO, CH₄, O₂, Zero Air, N₂

All gas mixtures are available in the 5L (750 litre), 10L (1500 litre), 20L (3000 litre) or 50L(7500 litre) cylinders. Multiple gas mixtures meeting either ISO 17025 and/or ISO 17034 are available. Many other gas mixtures are available in both binary or multi-gas component mixtures.

Gas mixtures are available for weekly or monthly span testing, six monthly calibration or for GC calibration.



SIX MONTHLY CALIBRATIONS

High Pressure specialty gas mixtures meeting either ISO 17025 and/or ISO 17034 accreditation are available for the required six monthly calibration of portable, fixed, and machine mount equipment.



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REGULATORS & GAS CONTROL SYSTEMS

CAC GAS provides a complete line of specialty gas regulators and gas control systems. Pressure and flow regulators are available in brass, nickel plated brass and stainless steel.



GAS MIXERS

CAC Gas Mixers are an excellent tool to meet NATA ISO17025 Annex H: Calibration of gas analysers. With catalytic & electrochemical requiring 3 points of calibration and IR, 6 points, gas mixers provide an efficient method to provide multiple concentrations of calibration gas from a single cylinder.



SPAN TEST STATIONS:

The BTS-X is the newest product for function testing hand held gas detectors. Completely pneumatic, the BTS-X operates using the calibration (test) gas. With no batteries or mains power the BTS-X can be located anywhere in the mine site.



Used with either disposable or high pressure cylinders, the BTS-X can be ready to go in minutes. One button operation provides up to 60 seconds of continuous gas flow for testing two instruments simultaneously.



Custom Gas Mixtures

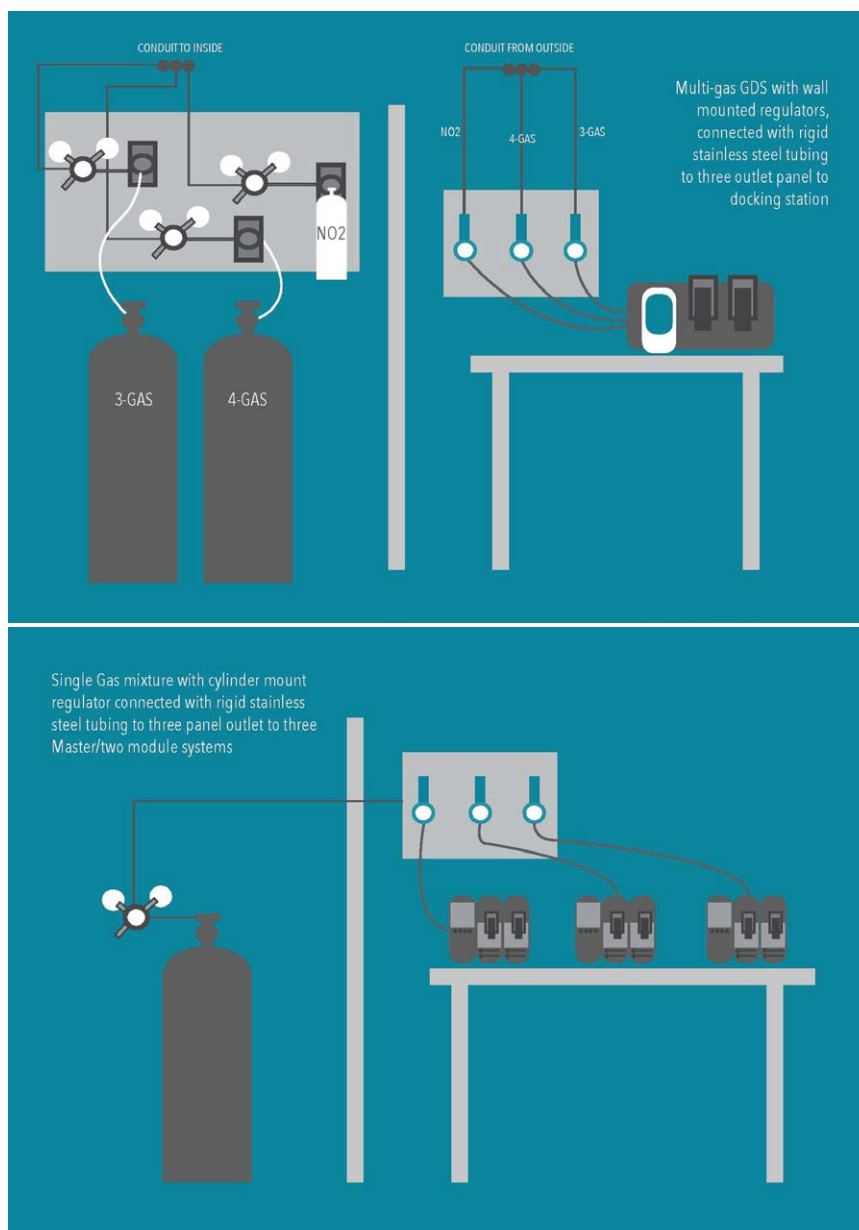
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GAS DISTRIBUTION SYSTEMS FOR DOCKING STATIONS:

The GDS-100 provides the solution for connecting high pressure cylinders to docking station systems. The GDS-100 panel(s) system can provide calibration /test gas to as many docking station locations as required. A complete system can include gas mixtures, regulators, gas cage, connecting hose, outlet panels and point of use regulators. The GDS-100 is designed to meet customer's specific application.



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CAC
G A S A S I A

20 Woodlands Link #03-29
Singapore, 738733
+65 6977 7370

CAC@CACGAS.COM.SG

CAC
GAS&INSTRUMENTATION

36 Holbeche Road, Unit 3
Arndell Park, NSW, 2148
+61 (0)2 8676 6500

CAC@CACGAS.COM.AU