

Product Title: Single-Stage Regulator



RAN01014



RAN01089



RAN01008

Description

The Gas-Arc single-stage regulator leads the industry in performance and safety. Developed using tried and tested materials combined with the latest technology the regulator is more accurate and safer when used with cylinders of ever increasing pressure under the rigorous demands from modern industry.

The Gas-Arc single-stage regulators are 300 bar rated and are designed to fully meet the requirements of BS EN ISO 2503 and to provide reliable service and a prolonged service life.

A wide range of outlet pressures are available as standard with 0-4 bar and 0-10 bar available for all high pressure gases and 1.3 Bar for acetylene. Other pressures are available on request.

The Gas-Arc single-stage regulators are available with a vast range of international fittings including: British (BS), American (CGA), French (Norme Francaise), Australian (AS), German (DIN), Netherlands (NEN).

Features

- **TYPES** - Available in 2 gauge, 1 gauge, indicator and plugged configurations to give total flexibility and to suit all welding, cutting heating and gas control applications. The 2 gauge version shows both cylinder contents pressure and the regulated outlet pressure, 1 gauge or indicator type shows the cylinder contents pressure, while the plugged regulator, and 1 gauge versions have the outlet pressure indicated on the regulator bonnet.
- **INLET CONFIGURATION** - Available with bottom or rear entry inlet connections to ensure that the regulator fits both safely and conveniently on all available cylinders.
- **NEVOC** - With gas manufactures throughout Europe filling cylinders to higher pressures the need for the standardisation of cylinder connections has necessitated the adoption of a new cylinder connection. The New European Valve Outlet Connection (NEVOC) has been designed to meet these requirements and has been adopted throughout Europe for cylinders filled above 250 bar. Cylinders filled up to and including 250 bar will continue to use relevant national standards (i.e. BS 341 connections in the U.K.).
- **SAFETY PRESSURE GAUGES** - Meeting the requirements of the latest standard BS EN 562 these gauges are of the safest possible design. All gauges have the gas service indicated and are marked with maximum working pressure.
- **HIGH FLOW SAFETY VALVE** - Tamper proof, this high capacity valve will safely vent excess pressure and reseal thus extending the regulators life.
- **CAPTIVE PRESSURE ADJUSTING KNOB** - This important feature is designed into the Gas-Arc range, making it impossible to remove the adjusting knob.
- **300 BAR VALVE** - Using the latest technology available, Gas-Arc have designed the 300 bar valves compatible with all high pressure industrial gases.
- **INLET FILTER** - All regulators are fitted with an integral inlet filter that encapsulates the main valve and is designed to prevent ingress of foreign particles into the regulator. This safety feature reduces the possibility of valve damage and fire.
- **UNPERFORATED DIAPHRAGM** - This design means the efficiency of the diaphragm is greatly improved and also reduces the possibility of leaks, improving safety.
- **BODY** - The regulator body is manufactured in our fully automated U.K. manufacturing facility, from brass bar stock sourced from reliable and consistent mills from within the EU.

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RAN01019



RAN01003



RAN01004

Features continued...

- **BONNET** - High strength alloy bonnet is designed to safely contain the increased cylinder pressures. An ABS shroud is fitted over the bonnet to allow for the permanent marking of manufacturers name, maximum inlet pressure and the product standard in accordance with the requirements of BS EN ISO 2503.
- **BCGA CP7 MARK** - The Inspection/Replacement date is permanently etched into the body of each regulator as part of the machining process. This provides the user with important information with regard to the maximum service life of the regulator in accordance with British Compressed Gases Association, Codes of Practice CP7.
- **FLASHBACK ARRESTORS** - It is recommended that flashback arrestors are fitted in all cases when used with oxygen or fuel gases.

Gas	Description	Max. Inlet Pressure	Max. Outlet Pressure	Inlet Connection	Outlet Connection	Part No.
Oxygen	2 Gauge 0-10 bar	300 bar	10 bar	Base entry - BS 341 No. 3	3/8 BSP RH	RAN01014
Oxygen	2 Gauge 0-4 bar	300 bar	4 bar	Base entry - BS 341 No. 3	3/8 BSP RH	RAN01013
Oxygen	1 Gauge 0-10 bar	300 bar	10 bar	Base entry - BS 341 No. 3	3/8 BSP RH	RAN01008
Oxygen	Indicator 0-10 bar	300 bar	10 bar	Base entry - BS 341 No. 3	3/8 BSP RH	RAN01002
Oxygen	Plugged 0-10 bar	300 bar	10 bar	Base entry - BS 341 No. 3	3/8 BSP RH	RAN01005
Oxygen	2 Gauge 0-10 bar	300 bar	10 bar	Rear entry - BS 341 No. 3	3/8 BSP RH	RAN01031
Oxygen	2 Gauge 0-4 bar	300 bar	4 bar	Base entry - BS 341 No. 3	3/8 BSP RH	RAN01038
Oxygen	1 Gauge 0-10 bar	300 bar	10 bar	Rear entry - BS 341 No. 3	3/8 BSP RH	RAN01034
Propane	Plugged 0-4 bar	8 bar	4 bar	Base entry - BS 341 No. 4	3/8 BSP LH	RAN01004
Acetylene	2 Gauge 0-1.3 bar	20 bar	1.3 bar	Base entry - BS 341 No. 4	3/8 BSP LH	RAN01015
Acetylene	1 Gauge 0-1.3 bar	20 bar	1.3 bar	Base entry - BS 341 No. 4	3/8 BSP LH	RAN01009
Acetylene	Indicator 0-1.3 bar	20 bar	1.3 bar	Base entry - BS 341 No. 4	3/8 BSP LH	RAN01003
Acetylene	Plugged 0-1.3 bar	20 bar	1.3 bar	Base entry - BS 341 No. 4	3/8 BSP LH	RAN01006
Acetylene	2 Gauge 0-1.3 bar	20 bar	1.3 bar	Rear entry - BS 341 No. 4	3/8 BSP LH	RAN01033
Acetylene	1 Gauge 0-1.3 bar	20 bar	1.3 bar	Rear entry - BS 341 No. 4	3/8 BSP LH	RAN01035
Argon/CO2	2 Gauge 0-40 LPM	300 bar	40 LPM	Base entry - BS 341 No. 3	3/8 BSP RH	RAN01051
Argon/CO2	2 Gauge 0-10 bar	300 bar	10 bar	Base entry - BS 341 No. 3	3/8 BSP RH	RAN01022
Argon/CO2	1 Gauge 0-4 bar	300 bar	4 bar	Base entry - BS 341 No. 3	3/8 BSP RH	RAN01011
Argon/CO2	1 Gauge 2 bar Pre-set	300 bar	2 bar	Base entry - BS 341 No. 3	3/8 BSP RH	RAN01019
Argon/CO2	2 Gauge 0-40 LPM	300 bar	40 LPM	Rear entry - BS 341 No. 3	3/8 BSP RH	RAN01084
Argon/CO2	2 Gauge 0-10 bar	300 bar	10 bar	Rear entry - BS 341 No. 3	3/8 BSP RH	RAN01050
Argon/CO2	1 Gauge 0-4 bar	300 bar	4 bar	Rear entry - BS 341 No. 3	3/8 BSP RH	RAN01041
Argon/CO2	1 Gauge 2 bar Pre-set	300 bar	2 bar	Rear entry - BS 341 No. 3	3/8 BSP RH	RAN01040
CO2	2 Gauge 0-40 LPM	50 bar	40 LPM	Rear entry - BS 341 No. 8	3/8 BSP RH	RAN01018
CO2	2 Gauge 0-10 bar	50 bar	10 bar	Rear entry - BS 341 No. 8	3/8 BSP RH	RAN01021
CO2	1 Gauge 0-4 bar	50 bar	4 bar	Rear entry - BS 341 No. 8	3/8 BSP RH	RAN01012
Inert Gases	2 Gauge 0-10 Bar	300 bar	10 bar	Rear entry - NEVOC No. 30	3/8 BSP RH	RAN01088
Inert Gases	2 Gauge 0-40 LPM	300 bar	40 LPM	Rear entry - NEVOC No. 30	3/8 BSP RH	RAN01089