Pipeline Regulators



8471000OX812



Model 847

As Pipelines become more common in the work place, it is important that each outlet has a regulator specifically designed to handle the lower pressures (compared to cylinders) and also to supply a constant supply of gas through the outlet of the regulator. As many will agree, there is nothing worse than the power supply fluctuation while drilling. The same can be said for gas! Therefore you need a regulator to meet the conditions of a pipeline - the **Model 847**.

Features include - Wt. 1.5kg

- ▶ Brass Body
- ▶ High flow
- ▶ Precise flow regulation
- Large 70mm diaphragm
- Large, easy to read gauge in kPa
- ▶ Repair simple, fast and easy
- ▶ Complies to AS4840-2001

* NOTE: a) 1/4" NPT female connection in rear

b) Can be fitted with adaptor to suit a point valve

847150AC797 Acetylene, 0-150kPa Rear Inlet

847400LP818 Propane/LPG/Nat. Gas 0-400kPa Rear Inlet

84710000X812 Oxygen, 0-1000kPa Rear Inlet

84715000X807 Oxygen, 0-1500kPa Rear Inlet

Pipeline Regulator Kit

This is a new concept which allows the purchase of a complete unit ready for installation. As Pipelines are becoming more popular (as a cost saving for industry), a Kit with the following features is required.

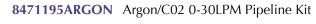
Features include - Wt. 2.2kg

- ▶ Model 847 Large flow regulator etc, See Above
- Large flow flash back arrestor
- Pipeline assembly purposely designed for the application and ease of installation
- Easy, visual notice of which ones are on/off
- Easy to turn off in emergency

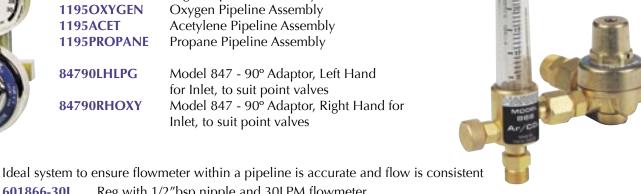
8471195FBAAC 8471195FBAOX 8471195FBAPR 8471195FBANA Acetylene, 0-150kPa Pipeline Kit Oxygen, 0-1000kPa Pipeline Kit Propane, 0-400kPa Pipeline Kit Natural, 0-150kPA Gas Pipeline Kit

Note: Can be supplied on a Aluminium backing panel, 3 assemblies per panel

Pipeline Regulators Cont.



1195ARGON Argon Pipeline Assembly Oxygen Pipeline Assembly **Propane Pipeline Assembly**



601866-30L Reg with 1/2"bsp nipple and 30LPM flowmeter Reg with 1/2"bsp nipple and 15LPM flowmeter 601866-15L 601**Z**052 Mini Regulators to fit excisting flowmeter/pipeline

Pressure Regulators



Model 896 (Multistage Cylinder)

A cylinder regulator which has outstanding pressure/ flow characteristics, it has become a standard (worldwide) by which regulators are judged. Two regulators in one tough forged body, enables cylinder pressure to be reduced by up to 90% prior to entering second stage where the outlet pressure is set. Ideal for users requiring high accuracy; especially for quality welding, cutting, metal spraying and industrial laboratory use.

Features include -Wt. 2.4kg

- Accurate two stages
- ▶ Reliable proven design
- ▶ Tough forged brass body
- Safe built in relief devices
- ▶ Gauges kPa
- Long lasting
- Complies to AS4267

896E150AC21 Acetylene 0-150K Bottom Inlet

896ED10000X1 Oxygen 0-1000K Bottom Inlet

896ED1000ARG Argon 0-1000K Bottom Inlet



Pressure Regulators

896D1000NIT Nitrogen 0-1000K Bottom Inlet

896ED1000HEL Helium 0-1000K Bottom Inlet

896ED1000HYD Hydrogen 0-1000K Bottom Inlet

896ED15000X3 Oxygen 0-1500K Bottom Inlet

896ED1500ARG Argon 0-1500K Bottom Inlet

896D1500NIT Nitrogen 0-1500K Bottom Inlet

896ED1500HEL Helium 0-1500K Bottom Inlet

896ED1500HYD Hydrogen 0-1500K Bottom Inlet Hydrogen 0-1500K Side Inlet

896D15000X39 Oxygen 0-1500K Side Inlet

896D1500ARG Argon 0-1500K Side Inlet

896D1500NIT Nitrogen 0-1500K Side Inlet

896EDS25000X Oxygen 0-2500K Bottom Inlet

NOTE: Regulators can be made for most gases or mixtures/also to customers specifications. Contact your local **Harris** distributor for details.



This range of multistage regulators are suited for 300bar inlet pressure and will provide excellent pressure and flow characteristics from this high pressure inlet to a lower pressure application. Features include Stainless Steel diaphragm in both stages.

Part No. and configurations where not finalised at time of printing



Pressure Regulators Cont.







Model 987

The Model 987 High Pressure Cylinder Regulator is designed specially for applications that require a range of delivery pressures from 0-10,000kPa and 0-17,000kPa accurately and safely. Available for all non-corrosive gases used in oil refineries, chemical plants, research laboratories, defence and general industry where high working pressures are required.

Suitable for hydro-generation, catalytic reductions, accelerated testing and pressure testing.

Features Include- Wt. 2.2kg

- High delivery range
- ▶ Stainless steel diaphragm for strength and accuracy
- ▶ Large easy to read gauges
- ▶ Brass bonnet & body maximum safety, strength
- ▶ Sintered monel metal inlet filter to trap impurities
- ▶ Rated to 380 Bar for Inert Gases

987Z078 Nitrogen, Oxygen, 0-10,000kPa Side Inlet
987Z079 Nitrogen, Oxygen, 0-17,000kPa Side Inlet
3200326 Nitrogen, Self relieving, 0-7,000psi Side Inlet

Model HP750

The Model HP750 series regulator is a high pressure, high flow regulator system. The key to the performance of this regulator is the servo-dome load technology. The servo-dome load feature allows the regulator to supply high flow rates with straight line pressure regulation.

Applications include: Laser assist gases, Pressure transfer, Blanketing & High flow manifolds

3000869

0-1000psi outlet and 5500psi inlet (other specs are available on request)

Model 3500

This speciality designed Regulator provides huge flows from cylinders and manifold gas supply systems. (Oxygen max inlet 240 Bar)

Features include - Wt. 2.5kg

- ▶ Designed to operate on HP Cylinders of up to 385 bar
- ▶ Additional high capacity 3/8" NPT outlet
- ▶ Forged brass body and bonnet
- ▶ Self seating internal safety relief valve
- ▶ Meets CGA E-4 Standard for Gas Pressure Regulators

3003541 Nitrogen 600psi (Ideal for motor racing)

Hospitality Regulators



Model 601

Many regulators on the market are Oxygen regulators relabelled for Helium. Harris engineered this regulator for the specific task of balloon filling with Helium.

Helium is a very light gas that is expensive and has its own safety considerations. This regulator captures these issues and provides a better proposition for the user.

Features Include- Wt. 0.8kg

- Forged brass body and bonnet
- ▶ High pressure Helium capsule seat
- Internal safety devise on diaphragm
- ▶ Fixed pressure preset at 30 psi-kPa
- ▶ Spring loaded tilt valve (leak proof seal when off)

Model 601 Regulator

Designed for beer dispensing that does not require highflow e.g. Homebrew/Party hire. The application is often used in small rooms which can lead to a dangerous environment. Harris believed that reducing gas leaks was a major concern in

the development of this regulator, and designed a regulator with special threads and safety seals.

Features include - Wt. 0.8kg

- Metal case gauges
- Made by Harris to ISO 9002
- ▶ Brass body & bonnet
- ▶ Smooth adjustment 0-400kPa
- ▶ Internal self reseating safety relief valve
- ▶ Special threads/seating to reduce risks of leaks





Model 801

Our 801Z378 is designed with a special C02 compatible capsule seat surrounded by a filter and is ideal for connecting to a cylinder, or as part of a regulator board.

Features include - Wt. 0.8kg

- Large easy to read gauge
- Complies to AS4267
- ▶ Harris engineering and quality
- ▶ Internal self reseating tamper proof SRV fitted
- ▶ Inlet & outlet 1/4" NPT female
- Preset 800kPa

Hospitality Regulators







Model 802

Designed for C02 delivery for bars, pubs, wine bars and the servicing of beer or soft drink. It is also suitable for C02/Nit. mixtures, with a max inlet of 7000kPa.

Features include - Wt. 1.3kg

- Excellent flow
- Outlet 0-400kPa
- Forged brass body
- ▶ Standard Harris parts
- ▶ Safety relief with the ability to manually clean
- Outlet with special built-in ball type reverse flow valve, to avoid internal liquid contamination
- Safety pressure gauges calibrated in kPa with metal case
- ▶ Lock nut on pressure adjustment
- Inlet at 3 O'clock
- ▶ Ability to manifold up to three (3) regulators from one cylinder

802R400CD Single C02 Regulator

802R400CD/2 Two C02 Regulators

802R400CD/3 Three C02 Regulators

38A957 Special Outlet Fitting Brass

Model 821

This model regulator has been developed with input from the Industry. Its features are excellent.

Features include- Wt. 1.3kg

- Proven capsule seat design
- ▶ Large 63mm, easy to read, safety back gauge with safety seal
- Internal, self reseating, tamper proof safety relief valve
- ▶ Smooth 0-400kPa adjustment
- Accurate regulation
- ▶ Easy to repair/Clean

821Z029 CO2 0-400kPa, rear inlet, capsule seat, two filters

821Z035 CO2 0-400kPa, rear inlet, capsule seat, twin gauge, two filters, cylinder regulator

821Z041 Nitrogen (T50 Inlet) 0-400kPa, rear inlet, capsule seat, twin gauge, two filters, cylinder regulator

Hospitality Regulators





Model 847

A very exciting product with many unique features. The performance of this regulator will provide an improved beer distribution system for the Hospitality Industry.

Features include - Wt. 1.5kg

- ▶ Very large diaphragm
- Large flows; 32m³ hr, at 500kPa inlet
- ▶ Smooth accurate pressure adjustment
- Large 63mm dia., easy to read gauge
- ▶ Forged high quality brass body
- ▶ Suit C02 Pipeline or cylinder pressure **
- ▶ Built in, tamper proof, self reseating safety relief valve
- Sav T' Lock; adjustment by special Key (A825ES). This puts control back into the hands of the right person. *Set 'N' Forget!*
- ▶ Reduces <u>surge</u> when opening beer tap

847DT400CD C02 Rear Inlet

847DT801Z154 C02 Two Stage **

847DT801ZNIT Nitrogen Two Stage**



Model 847

This multistage cylinder Regulator is ideal for high flow applications where constent pressure is also required.

Features include - Wt. 1.3kg

- Proven seat design
- Easy connection
- Complete package
- Large, easy to read gauges
- Anti-surge feature
- Complies to AS 4840 & AS 4267
- Wire hanger when fixed to a wall prevents regulator falling and being damaged