

Pipeline Regulators



8471000X812

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

8471000X812 Oxygen, 0-1000kPa Rear Inlet

8471500X807 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 Acetylene, 0-150kPa Pipeline Kit

8471195FBAOX Oxygen, 0-1000kPa Pipeline Kit

8471195FBAPR Propane, 0-400kPa Pipeline Kit

8471195FBANA Natural, 0-150kPa Gas Pipeline Kit

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

Pipeline Regulators Cont.



8471195ARGON Argon/CO2 0-30LPM Pipeline Kit

1195ARGON Argon Pipeline Assembly
1195OXYGEN Oxygen Pipeline Assembly
1195ACET Acetylene Pipeline Assembly
1195PROPANE Propane Pipeline Assembly

84790LHLPG Model 847 - 90° Adaptor, Left Hand for Inlet, to suit point valves

84790RHOXY Model 847 - 90° Adaptor, Right Hand for Inlet, to suit point valves



Ideal system to ensure flowmeter within a pipeline is accurate and flow is consistent

601866-30L Reg with 1/2"bsp nipple and 30LPM flowmeter

601866-15L Reg with 1/2"bsp nipple and 15LPM flowmeter

601Z052 Mini Regulators to fit existing 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

896ED1000X1 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
896ED1500X3	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
896D1500X12	Hydrogen 0-1500K Side Inlet
896D1500X39	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.

Model 996

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.



987Z078

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)



3500

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



601Z005

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



601Z017

Model 801

Our 801Z378 is designed with a special CO2 compatible capsule seat surrounded by a filter and is ideal for connecting to a cylinder, or as part of a regulator board.



801Z378

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 CO₂ delivery for bars, pubs, wine bars and the servicing of beer or soft drink. It is also suitable for CO₂/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 CO₂ Regulator

802R400CD/2 Two CO₂ Regulators

802R400CD/3 Three CO₂ 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.



847DT400CD

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 surge when opening beer tap



A825ES

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 constant pressure is also required.



8474X

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