

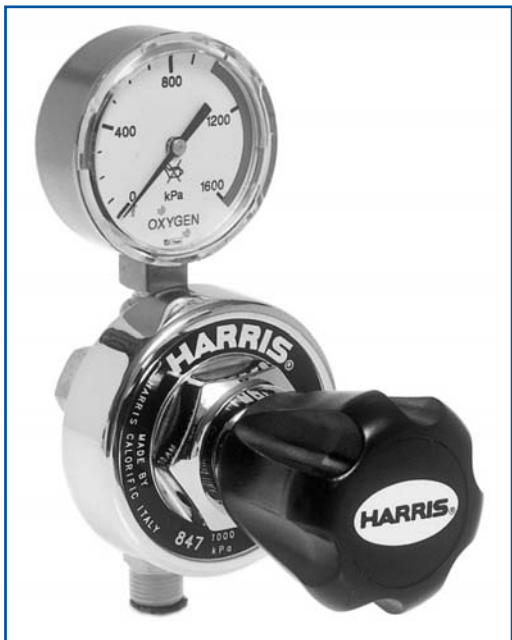
Model 847

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 power supply fluctuation while drilling. The same can be said for gas, therefore you need a regulator to meet the requirements 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

* **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



847

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 desired

- 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
- 8471195ARGON** Argon/CO2 0-30LPM Pipeline Kit
NOTE: No flashback arrestor





Pipeline Regulator Kit *Cont'd*

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



Model 896

A 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
- 896Z021** Propane/LPG 0-400K Side Inlet
- 896ED10000X1** Oxygen 0-1000K Bottom Inlet
- 896ED1000ARG** Argon 0-1000K Bottom Inlet



896

**3 YEARS
"GOLD"
REPLACEMENT
WARRANTY
NORMAL USE**

- 896ED1000NIT** 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
- 896ED1500NIT** Nitrogen 0-1500K Bottom Inlet
- 896ED1500HEL** Helium 0-1500K Bottom Inlet
- 896ED1500HYD** Hydrogen 0-1500K Bottom Inlet
- 896D15000X12** 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, and also to customers specifications. Contact your local **Harris** distributor for details.

Model 848

Supplying acetylene into a factory via a pipeline starts with having the right regulator at the manifold. At **Harris**, we set out to design and manufacture a regulator for exactly this purpose, one which delivers large flow over a variety of pressures, even when cylinder pressure is low.

Flow rate is 20m³/hr with outlet at 130kPa, and importantly, cylinder pressure of only 400kPa .

This Regulator is ideal for large flow cylinder applications, e.g. Oxy Acetylene heating. **Note:** Outlet port is plugged (loosely) so that fitting of outlet nipple (standard 5/8 UNF LH, supplied in box) or any special fitting is easily carried out.

Wt. 1.8kg

- 848Z002** Acetylene 0-150 kPA Bottom inlet



848



987

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

987Z024 Nitrogen, Oxygen, 0-10,000kPa Side Inlet

987Z035 Nitrogen, Oxygen, 0-17,000kPa Side Inlet

Model 192

The Safety Demand Regulator is a very unique product, packed full of safety features that have to be seen to be believed. This unique product automatically cuts the supply of fuel gas in the event of a leak in the supply hose. Increasing safety, particularly in mines, ships, pressure vessels or other confined, dangerous work places.

192KGBB Safety Demand Regulator

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)



192KGBB



Note: 'O' Ring included, but not shown on inlet stem

601Z005



3500



3003541



601Z017



**801Z212
801Z378**

Model 3500

This specialty 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

- 3003516** Nitrogen 1400 K
- 3003540** Nitrogen 400 PSI
- 3003541** Nitrogen 600 PSI (ideal for motor racing)

Hospitality Pressure Regulators Model 601 Regulator

Designed for beer dispensing where use does not require highflow e.g. Homebrew/Party hire. This meant it is often used in small rooms. 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
 - ▶ Internal self reseating safety relief valve
 - ▶ Special threads/seating to reduce risks of leaks

Model 801

There are two, first stage pressure reducing regulators in this range. Our 801Z378 is designed with a capsule seat with the seat surrounded by a filter and is ideal for connecting to a cylinder. Whereas, the 801Z212 has a large (floating) seat ideal for cylinder and bulk systems. Installer will need to fit a filter.

- Features include - Wt. 0.8kg**
- ▶ Large easy to read gauge
 - ▶ Complies to AS4267
 - ▶ Harris engineering and quality
 - ▶ Safety relieving burst relief
 - ▶ Inlet & outlet 1/4" NPT female



801Z154

Model 801

This is a pressure reducing Regulator aimed at reducing cylinder pressure to 800KPA for supplying a Pipeline System. Reducing the high cylinder pressure, improves safety, accuracy as well as reducing risks of leaks in the system.

Features include-

- ▶ Harris proven seat
- ▶ Compact
- ▶ Inlet CO2 cylinder fitting outlet; 1/4" NPT male
- ▶ Safety relieving bursting disc fitted

801Z154 C02 Pressure Reducer

801Z154NIT Nitrogen Pressure Reducer

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

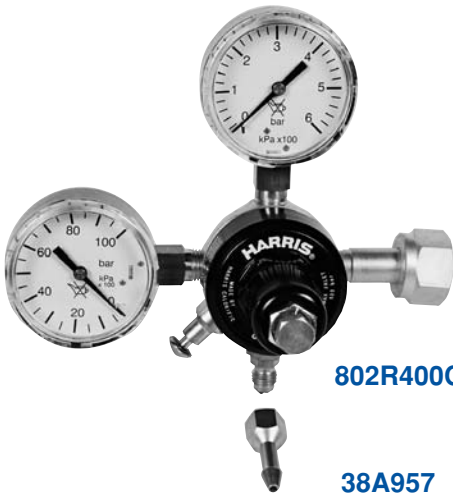
- ▶ Excellent flow
- ▶ Outlet 0-400kPA
- ▶ Forged brass body
- ▶ Standard **Harris** parts
- ▶ Safety relief with the ability to manually clean
- ▶ Outlet with special built-in ball type reverse flow valve to avoid internal liquid contamination
- ▶ Safety pressure gauges calibrated in kPA with metal 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



802R400CD

38A957



842R400CD2



842R400CD3



821Z003

Model 821

This model regulator has been developed with input from Industry. Its features are excellent and exceed other products.

Features include- Wt. 1.3kg

- ▶ Proven capsule/floating seat design
- ▶ Large 63mm, easy to read, safety back gauge with safety seal
- ▶ Internal, self reseating, tamper proof safety relief valve
- ▶ Smooth, accurate regulation

821Z003 CO2 0-400kpa, rear inlet, large floating seat

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

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

821Z036 Nit 0-400kpa, rear inlet, capsule seat, twin gauge, two filters, cylinder regulator



847DT400CD

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 CO2 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

847DT400CD CO2 Rear Inlet

847DT801Z154 CO2 Two Stage **

847DT801ZNIT Nitrogen Two Stage**



A825ES

THIS RANGE IS GROWING CONSTANTLY CHECK WITH HARRIS FOR NEW DEVELOPMENTS