

## Pressure Regulators

### Model 601

This regulator is primarily designed for the small industry i.e. home handyman where light use and lower cost are main concerns. Made in Harris Europe complies to EN ISO 2503

**Features Include-**

**Wt. 0.8kg**

- ▶ Tough - solid metal body & bonnet
- ▶ Filter
- ▶ Built-in relief
- ▶ Clear colour coding
- ▶ Easy to read metal cased gauges
- ▶ Special threads and seals-reduces leaks



801E1000X13



*Point of purchase display.  
Either hangs or self standing  
on a shelf*

### Model 801

This conventional gauge regulator is designed to control pressure and flow. Typical **Harris** design permits a small, compact, rugged regulator with unusually high flow and the following:

**Features Include- Wt. 1.3kg**

- ▶ Tough - solid metal body & bonnet
- ▶ Monel filter
- ▶ Built-in burst relief
- ▶ Clear colour coding
- ▶ Large, easy to read gauges, with safety seal
- ▶ Conforms to AS 4267
- ▶ Rated to 240 bar
- ▶ Oxygen Fitted with internal self reseating relief valve

- 801E150AC21** Acetylene 150K Vertical Inlet
- 801E1000X13** Oxygen 1000K Vertical Inlet
- 8011000X13** Oxygen 1000K Side Inlet
- 801Z005** Propane 350K Side Inlet (one gauge)

### Model 818

This Regulator is identical to the 801 but without gauges. Cylinder pressure is shown on the indicator. Delivery pressure is set by turning the black knob on the calibrated (engraved) bonnet, lining up with the pressure mark. Ideal for working in tough conditions. Fits onto side or vertical outlet cylinders.

**Wt. 1.2kg**



818Z001

- 818Z001** Acetylene 150kPa Vert. Inlet
- 818Z002** Propane 350kPa Side Inlet
- 818Z003** Oxygen 800kPa Vert. Inlet



818Z003

## Flow Control Regulators

### Model 801

- 801E30L** Argon 30LPM Flowgauge Vertical Inlet
- 80130LKCD271** CO2 30LPM Flowgauge Side Inlet
- 80130LKAR211** Argon 30LPM Flowgauge Side Inlet

Features include- **Wt. 1.3kg**

- ▶ Easy to read gauges
- ▶ Inlet filter to trap impurities
- ▶ Accurate
- ▶ Fitted with internal self reseating safety relief valve
- ▶ Forged brass body for maximum strength
- ▶ Smooth, steady adjustment
- ▶ Special threads and seals to reduce risk of leaking expensive odourless gas
- ▶ **Harris** capsule seat with filter for reliability
- ▶ Filter before outlet nipple to ensure flow



**801E30L**

### Model 821DB

Ideal for MIG or TIG applications where different flowrates are required from the one devise. This design provides accurate regulation to both flowmeters.

Features include -

- ▶ Proven high pressure seat
- ▶ Tamper proof, self reseating safety relief valve
- ▶ Precise flow regulation
- ▶ Large, easy to read gauge in kPa
- ▶ Quality, accurate measurement
- ▶ Precise needle valves for accurate adjustment

- 821DB1** CO2, regulator (rear inlet) + 2 flowmeters
- 821DB2** Argon, regulator (vert. inlet) + 2 flowmeters
- 821DB3** Argon, regulator (rear inlet) + 2 flowmeters



**821DB2**

### Model 811

A heater and flow regulator in one neat unit. **Both** items manufactured by Harris to ensure long life.

Features include -

- ▶ Proven high pressure seat
- ▶ Tamper proof, self reseating safety relief valve
- ▶ Large, easy to read gauges
- ▶ Conforms to EN 562
- ▶ Assures high safety levels, long life



**81130LH**

- 81130LH** CO2, flow regulator with heater

## Flow Control Regulators

### Features include -

- ▶ CE marked
- ▶ Two independent heating elements controlled by thermostat
- ▶ Stabilized temperature up to 30 LPM
- ▶ Overheating protection with reseatable thermal fuse
- ▶ Insulation IP 64 (EN 60529)
- ▶ Voltage: 240
- ▶ 3 meters long power cable

**811800KH** CO<sub>2</sub>, pressure regulator with heater

**NOTE:** Can be modified by Harris to accept flow meters



**811800KH**



**601R30L**

### Model 601

The 601 flow gauge regulator is designed for the home handyman user. Adjustment is 0-30 Lpm with value for money is a key factor.

#### Features include- Wt. 0.8kg

- ▶ Brass body & Bonnet
- ▶ Metal Case Gauges
- ▶ Complies with EN13918
- ▶ Harris manufactured to ISO 9002
- ▶ Special threads/sealing to reduce risk of leaks
- ▶ Fits E or D cylinders

**601-FM** Pre-set, 601 Vert Inlet reg with 30Lpm model 866 flowmeter

**601FM-R** Pre-set, 601 Rear Inlet suit side inlet and small cylinders 30Lpm flowmeter  
No Photo

### Model 801 Preset

Specifically engineered to perform reducing task prior to fitting of flowmeter. Includes safety relief valve to protect flowmeter.

**801Z017** Argon, Pre-set, Side Inlet

**801Z018** CO<sub>2</sub>, Pre-set, Side Inlet

**801Z019** Argon, Pre-set, Vert. Inlet

**801Z020** Argon, Pre-set, Vert. Inlet + 86630L

**801Z021** Argon, Pre-set, Vert. Inlet + 86615L

**801Z022** Argon, Pre-set, Side Inlet + 86630L

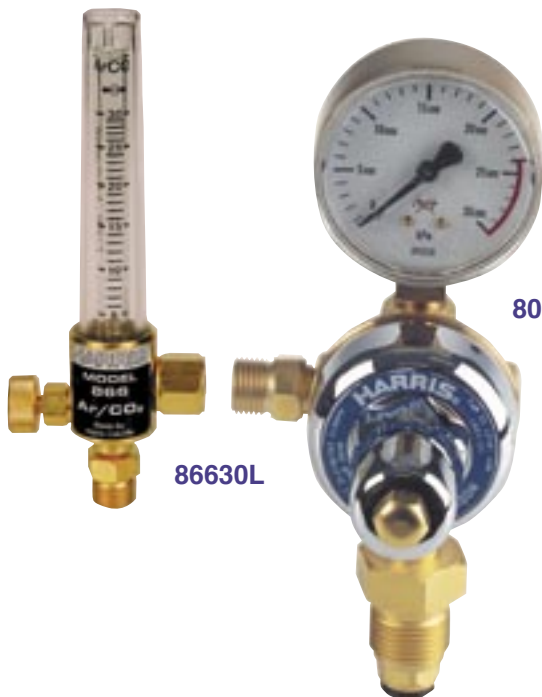
**801Z023** Argon, Pre-set, Side Inlet + 86615L

### Model 866 Flowmeter

Evolved from our medical range into an industrial configuration, it's degree of accuracy and quality will bring enhanced measurement to any application.

#### Features include- Wt. 0.4kg

- ▶ Easy to read
- ▶ Virtually unbreakable outer tube
- ▶ UV Stabilize plastics
- ▶ Needle valve for smooth adjustments
- ▶ Inlet/outlet 5/8"
- ▶ Fits 801Z017, 801Z018 & 801Z019 or pipelines



**86630L**

**801Z019**

**86630L** Flowmeter 0-30 LPM

**86615L** Flowmeter 0-15 LPM

## Pressure Regulators



825



### Model 825

In this Regulator you get extra strength, safety and large flows with excellent regulating characteristics. Combined with the latest in design, safety and quality.

**Features Include- Wt. 1.8kg**

- ▶ Rugged all metal construction
- ▶ Monel filter to improve life; easily changed
- ▶ Accurate - full cylinder pressure is controlled by the large 70mm diaphragm
- ▶ Large flows
- ▶ Safe, modern, proven seat design
- ▶ Large, easy to read colour coded gauges with safety seals
- ▶ Complies to AS 4267
- ▶ Built in burst relief
- ▶ Unique extra safety of the Snap Safe valve, built into inlet stem. Protects if a cylinder falls over. Applies to regs with an SS in description



825Z064



825ET8000X23

825EX150AC33	Acetylene 150K SS Vert. Inlet
825Z016	Oxygen 400 K SS Vert. Inlet
825EX10000X3	Oxygen 1000K SS Vert. Inlet
825X10000X33	Oxygen 1000K SS Side Inlet
825Z005	Propane 400 K SS Side Inlet
825Z064	Oxygen 1500K SS Vert. Inlet
825X15000X33	Oxygen 1500K SS Side Inlet
825Z084	Nitrogen 1000K SS Side Inlet
825Z085	Nitrogen 1500K SS Side Inlet
825EX1000ARG	Argon 1000K SS Vert. Inlet
825EA1000HE	Helium 1000K Vert. Inlet
825EA1000H30	Hydrogen 1000K Vert. Inlet
8251000CD206	CO2 1000K Side Inlet
825Z080	Nitrogen 4000K Vert Inlet
825Z066	HP SS diaphragm 1000K Vertical Inlet
825ET8000X23	Oxygen 800K Sav 'T' Lock V.I.
825ET800AR47	Argon 800K Sav 'T' Lock V.I.
825ET800N473	Nitrogen 800K Sav 'T' Lock V.I.
825TX400NII	*Nitrogen 400K Sav 'T' Lock V.I.
825DT400CDII	*CO2 400K Sav 'T' Lock
	*Internal self reseating safety relief valve

## High Flow Pressure Regulators



**H2515B**

### Model H25 (Cylinder)

In some applications there is a requirement for high flow, high pressure and high purity. This cylinder regulator offers unparalleled features at exceptional value for money. It suits applications which are specifically designed for high flow requirements for feeding industrial gas pipelines for plasma, and laser cutting systems.

For example, 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, which delivers large flow over a variety of pressures, even when cylinder pressure is low.

#### Features include -

- ▶ Conforms to EN ISO 2503
- ▶ Capsule valve, Stainless Steel filter
- ▶ Stainless Steel diaphragm (not Acetylene)
- ▶ Maximum inlet 300 bar
- ▶ Outlet pressure 1.5, 15 and 40 bar
- ▶ Heavy duty body machined from bar stock
- ▶ Large G. 1/2" or G. 3/8" outlet connection
- ▶ Side and vertical inlet connection
- ▶ External safety relief valve (not Acetylene)
- ▶ Flow over 700 m<sup>3</sup>/h (maximum)



**H251.5BAC**

- H251.5BAC** 1.5 bar/150 kPa Vert. Inlet
- H2515B** 15 bar/1500 kPa Side Inlet
- H2540B** 40 bar/4000 kPa Side Inlet

- Note:**
- (1) Specify gas when ordering.
  - (2) Vertical inlet models are available on request.
  - (3) Outlet can be reduced from 1/2" npt to 1/4" npt on request

### Model H47 (Pipeline)

This high flow regulator is designed for installation in a pipeline. The high flow and high purity levels are ideal for some laser and plasma applications, as well as other applications.

#### Features include -

- ▶ Maximum inlet of 60 bar/6000kpa
- ▶ Outlet pressure 10, 15, 25 and 40 bar
- ▶ Rear inlet connections
- ▶ Flow over 370 m<sup>3</sup>/h (maximum)
- ▶ Other features are the same as series H25



**H4740B**

- H4715B** 15 bar 1500 kPa Rear Inlet
- H4740B** 40 bar 4000 kPa Rear Inlet

## Flow Control Regulators



**Innovation**

### Model 825 Sav 'T'Lock

This unique Cylinder Regulator is part of the **Sav T'Lock** range, and as such, has many **features and benefits** which are significant for the end user:

**Features Include- Wt. 1.8kg**

- ▶ Large diaphragm
- ▶ Large easy to read gauges
- ▶ Precise control of Gas used
- ▶ Set 'N' Forget
- ▶ Key lockable
- ▶ Reduces the amount of surging
- ▶ Based on the Model 25
- ▶ Complies to AS4267

**Expect 25% gas savings**

**825ET30LAR21** Argon 0-30LPM Bottom Inlet

**825T30LAR211** Argon 0-30LPM Side Inlet

**825T30LCD111** CO2 0-30LPM Side Inlet

**NOTE:** Sold without keys; as you could have many regulators in a workshop and only 2 keys. Keys are under *Accessories*, Part No. A825ES Page 46

### Model 847 Sav 'T'Lock Pipeline

An extension of the **Sav 'T'Lock** range - designed to operate in a pipeline application.

**Features Include- Wt. 1.5kg**

- ▶ Suitable for low pressure inlet (range 400-2500kPa)
- ▶ Outlet at 6 o'clock
- ▶ Large diaphragm
- ▶ Large easy to read gauges
- ▶ Control over amount of gas used
- ▶ Key lockable
- ▶ Reduces the amount of surging
- ▶ Burst relief built-in
- ▶ Easily handles pressure fluctuations
- ▶ Maintain constant work procedures
- ▶ Complies to AS4840-2001

**Expect 25% gas savings**



**847T30LAR237** Argon/CO2/Mixtures 0-30LPM

**NOTE:** Sold without keys; Keys are under *Accessories*, Part No. A825ES Page 46