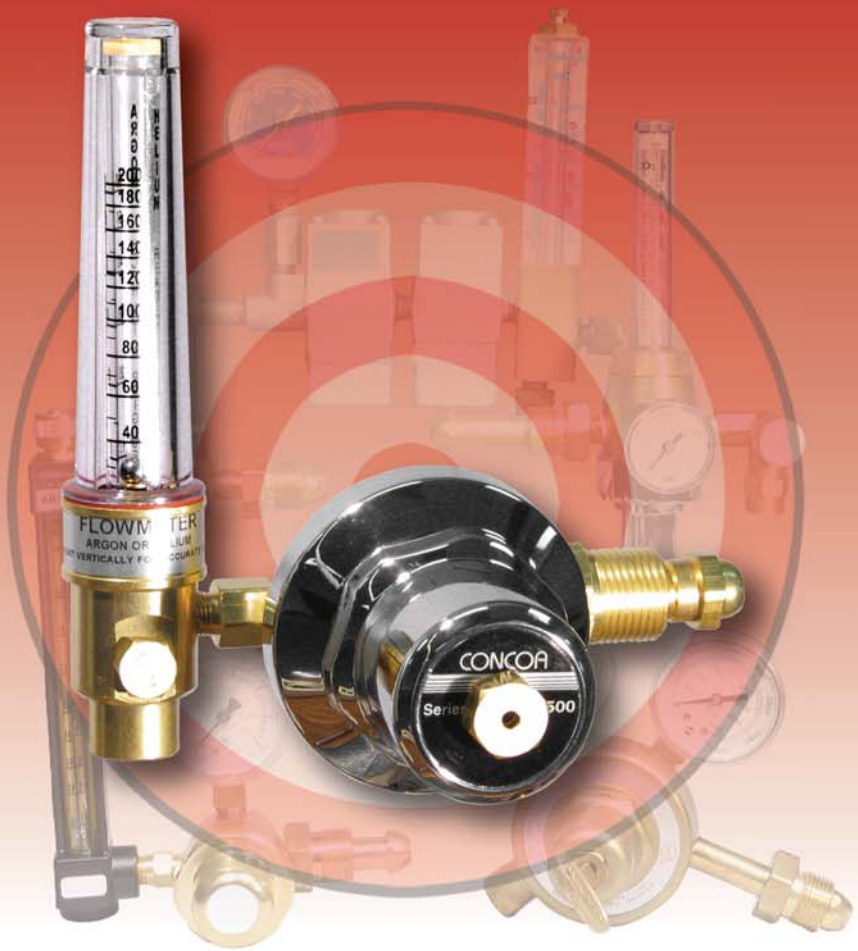
Lower Gas Costs 20% and Increase Profits!



806-6574 Shown

CONCOA'S GAS SAVER technology hits the mark when asked to lower shielding gas costs. Unfortunately, traditional flowmeter and flow gauge regulators deliver significant shielding gas waste due to excessive peak gas surge and surge duration. The chart on the reverse side (Figure 1) illustrates the flow characteristics of common flow control equipment used in Mig and Tig welding applications.

The cause of the shielding gas surge in traditional flow control equipment is the excessive fixed pressure from the regulator to the variable flowmeter. This fixed pressure can vary as much as 20-80 psi. To set the flow, the operator adjusts the flowmeter control valve. When idle, the hose from the flowmeter to the welding machine builds up to the static pressure of the preset regulator. As the weld begins, the gas from the hose "reservoir" surges to the weld zone. This contributes to erratic arc starts and porosity caused by siphoned atmosphere.

Not all flow controls guard against gas surge as expected. The regulator illustrated by the red curve in Figure 1 on the reverse side requires pressure greater than 10 psi to obtain 20 cfh flow. This is due to the calibration range of the flow gauge scale. Bottom line, these common flow control regulators yield 2-6 times the surge as compared to CONCOA'S GAS SAVER technology.

CONCOA'S GAS SAVER technology couples a non-compensated flowmeter to an adjustable regulator. The operator adjusts the regulator pressure while observing the flow on the scale in the flowmeter. The flowmeter accurately displays the gas flow rate even when the regulator is adjusted to as low as 3 or 4 psi. This in turn minimizes the static pressure buildup in the hose. The gray Gas Saver curve in Figure 1 illustrates the reduction in gas surge making CONCOA the right choice to improve profits.

Be sure to fill in the spreadsheet on the back and visit our website at www.CONCOA.com in order to plug your information into the Gas Saver Wizard.

CONCOA'S GAS SAVER TECHNOLOGY DELIVERS.

CONCOA

Controls Corporation of America • 1501 Harpers Road • Virginia Beach, Virginia 23454 • 757.422.8330 • Fax: 757.422.3125 • www.concoa.com

High Pressure Cylinder

Shown 806-5570

5500 Series

- Gas Saver Technology
  Reduce Peak Surge
  Reduce Surge Duration
- Encapsulated Seat
  Five year Warranty
- Gas Saver Flowmeter
  Argon 10-60 cfh
  Helium 30-200 cfh

Part Number	CGA	Scale
806-5560	680	Ar/He
806-5570	580	Ar/He

High Pressure or Liquid Cylinder

Shown 806-6570

6500 Series

- Gas Saver Technology
  Reduce Peak Surge
  Reduce Surge Duration
- Encapsulated Seat
  Five year Warranty
- Gas Saver Flowmeter
  Argon 10-60 cfh
  Helium 30-200 cfh
- Field Adjustable Flow Limit
  Flexible Process Control
- Tamper Proof Model
  Secure Process Control

Part Number	CGA	Scale
806-6538	580*	Ar/He
806-6540	680	Ar/He
806-6541**	680	Ar/He
806-6570	580	Ar/He
806-6572**	580*	Ar/He
806-6573**	580	Ar/He

* Liquid Cylinder Service
** Tamper Proof Model

Pipe Line

Shown 806-6574

6500 Series

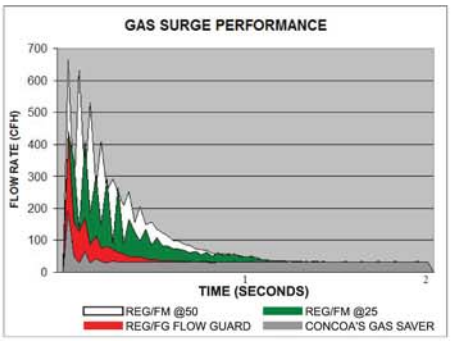
- Gas Saver Technology
  Reduce Peak Surge
  Reduce Surge Duration
- Encapsulated Seat
  Five year Warranty
- Gas Saver Flowmeter
  Argon 10-60 cfh
  Helium 30-200 cfh
- Field Adjustable Flow Limit
  Flexible Process Control
- Tamper Proof Model
  Secure Process Control

Part Number	CGA	Scale
806-6590	034	Ar/He
806-6574**	034	Ar/He

** Tamper Proof Model

CONCOA'S GAS SAVER COST ANALYSIS

FIGURE 1
Illustration shows peak gas surge and surge duration performance for various regulator technologies.



- Number of arc starts per part: _____
- Preset gas flow rate (cfh): _____
- Number of parts per shift: _____
- Number of shifts per day: _____
- Number of days per month: _____
- Gas cost in $/100ft^3 _____
- Cost per regulator in $: _____

Fill in the above information and go to CONCOA.COM to plug information into the Gas Saver Wizard under the Industrial Products section. Then click on 'Calculate' to view savings and payback.

SPF-200-A