

# WA Technology



## A GSS™ Is Ideal For Small Shop Welders

The **GSS** (Patented Gas Saver System) is perfect for smaller shops and home welders. It cuts gas waste and improves weld start quality.

Small welders typically use smaller volume gas cylinders, make shorter welds and tack welds. The "gas blast" at every weld start not only wastes gas it leads to excess spatter, poor weld shape, and possibly internal porosity. This high starting gas flow surge pulls air into the shielding gas stream. The turbulent flow created, lasts for a short time even after flow rate reduces until the desired laminar flow is achieved. This inferior gas shield exists for much of a short weld! Peak flow rates can exceed 150 CFH.

Reducing the starting gas surge provides better weld quality while still using less total gas!



The FB3, FB4 and FB6 **GSS's** are supplied with threaded CGA 032 "B" fittings used on most US made and Harbor

Freight Vulcan & Titanium welders and cylinder regulators. If you have these fittings on both welder and cylinder flow control then simply screw in these "B" fittings. If your welder has a hose barb on the cylinder regulator, our FBS4 can be used. Or email, we can supply splice fittings on either or both ends.

## Testimonials



Al Hackethal purchased a 3 foot, FB3 **GSS**. He emailed: "Well, I can't believe it. I never thought a hose could make that much of a difference. The weld quality (with the **GSS**), and even penetration is considerable

better. Almost no spatter! Initially thought that my imagination had kicked in, but then realized that the gas I'm buying is actually working the way it's supposed to. Glad I found your website. This is one of the few things that really works better than any info could suggest.

Another user, Beau Straley has a 4 foot **GSS**. He emailed and reported over 60% gas savings stating:

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"It not only saved shielding gas, but it increased my confidence. That's a winning combination in my book! Thank you for a wonderful product that actually does what you say it will.

With the **GSS** I was confident I was not wasting gas and increased the gas flow rate. The result was the appearance and quality of my welds improved dramatically."

Another customer, Jason Insley, had this to say:

"Everything worked fine. And my weld starts have definitely improved since installing the **GSS**. Thanks again."

## Patented GSS

The patented **GSS** reduces shielding gas waste by utilizing a smaller diameter gas delivery hose that reduces the gas stored at each weld stop by over 80%. This reduces the starting gas surge.



It also incorporates a peak flow restriction orifice in the welder end of the hose. This helps reduce gas waste and improves weld start quality by limiting peak flow rate turbulence.

The small ID is sufficient size for fabricators using a 50+ foot **GSS** at flow rates exceeding 50 CFH!

## Measured Industrial Production Result

Our website; [www.NetWelding.com](http://www.NetWelding.com) has much more **GSS** information including examples of customer gas savings they reported. They typically report 40 to 50% savings and when making many short welds, over 60%. One user reported welding 632 small parts with one gas cylinder that with their standard gas delivery hose required 2.7 gas cylinders to weld that same number of parts!

## BOTTOM LINE



The **GSS** cuts gas waste using a small ID, heavy wall thickness hose incorporating a peak flow rate limiting restrictor. This cuts starting gas surge by over

80%. Over 15,000 are in use.

The **GSS** provides better quality weld starts by reducing shielding gas turbulence. For short welds, excess turbulence can last for much of the weld.

It can pay for itself in one gas cylinder refill.

## Improve Weld Quality - -Cut Gas Waste

US Patent # 6,610,957

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