

# WA Technology



## Part # FS4 Makes GSS™ Selection Easy

Our FS4 model **GSS** (Patented Gas Saver System) fits smaller shops and home welders. It cuts gas waste and improves weld quality. It uses **Splice Fittings** so fits “any” Welder and Gas Flow Control.

Smaller size welders typically use lower volume gas cylinders. They are often used to 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 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.



The FS4 **GSS** is supplied with **Splice Fittings** on both ends.

One end connects to the welder and the other to the cylinder gas control. Many welders and cylinder gas flow controls utilize a simple hose barb connection. These cannot accept CGA threaded “B” fittings used on most US made welders and gas flow controls. However the existing gas delivery hose is just cut about 2 inches from present fittings and the **GSS Slice Fitting** inserted. Detailed instructions are included.

## Testimonials



Al Hackethal purchased a 3 foot, **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 and

said, “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.

## Production Results

Our website; [www.NetWelding.com](http://www.NetWelding.com) has much more **GSS** information including many more examples of customer gas savings. 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 previously required 2.7 gas cylinders to complete the exact same part!

## 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%. Well over 10,000 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 pays for itself in one gas cylinder refill.

Instructions supplied with the FS4 **GSS** include shielding tips for smaller welders. This includes why you should **NEVER** use a self-shielded flux cored wire in combination with a gas shield!

## Improve Weld Quality - -Cut Gas Waste

US Patent # 6,610,957; Canadian Patent #, 2,455,644