

Users of Our Patented **Gas Saver System (GSS™)** Discuss Results

We Have a Number of Customers Who Reported Their Success with the **GSS**. Here Are a Few Examples:



Perry Thomasson Purchased a 50 foot Gas Saver System For His Home Shop

Perry has a very well equipped home shop. For a MIG welder he uses a Millermatic 175. He purchased the largest cylinder his distributor offered for sale and chained it to a wall in his shop. With a 50 foot conventional gas hose installed he was using an excessive amount of gas. He purchased a 50 foot **GSS** and saved a significant amount of shielding gas.

Perry emailed the picture left and said; *" The system works great. Thanks for the professional service and a great product."*

Terry's brother recently purchased a similar 50 foot **GSS** and also purchased two of our 22 foot Leather Cable Covers (our part number WAT HCC) to protect his power cable extension and **GSS** hose.



Small Shop Owner Provided This GSS Feedback

Al Hackethal reported these findings after he purchased a 3 foot **GSS** for his small MIG welder and our Leather Cable Cover for his TIG torch.

*"Well, I can't believe it. I never thought a hose could make that much of a difference. I had a small job shop. The weld quality (with the **GSS**), and even penetration is considerable better. Almost no spatter! The weld seemed to be hotter and I turned my MIG down a notch.*

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. I understood the theory, though in practice I understood it much better after the first couple of welds. Now I have better looking welds and almost no spatter, which means less grinding and finish work! In addition, the tip was cleaner after the job I just did.

This will provide savings in time, labor and maybe even consumables too. As a one man shop there's never enough time for anything.

Oh, the leather wrap for my TIG hoses worked very well and fits perfectly. I'd just replaced them (the TIG hoses), but was looking for something to protect them that was better than the nylon wrap that's available around here. Now I'm TIGing again too, and much safer. It's good to know the coolant hoses are well protected. Much better than using a 300 amp TIG and then realizing that I was standing in a puddle of coolant, which is what recently happened. Can't pay the bills if I electrocute myself!

Thanks for making products affordable”.

Home User Converted His MIG Welder to Use Gas Shielding



Dirk made his own conversion and purchased a special **GSS** to fit his needs. He found an appropriate gas solenoid that had 1/8 inch female NPT fittings. We supplied a **GSS** of the length needed and a male 1/8 inch NPT to connect to his solenoid. Also supplied a length of **GSS** hose to attach to the existing gas barb on his welder.



Dirk Purchased a Solenoid with 1/8" NPT's. Neat Installation

We Supplied Dirk with GSS with Male 1/8 NPT with Surge Orifice Installed

As noted in the pictures Dirk supplied, he found that the **GSS** hose, when heated (hot water will work) allows it to expand sufficiently to fit over the barb on his welder that delivers gas to the MIG gun.



GSS Hose Clamp to be Slipped Down

Heated GSS Hose Slipped over Existing Barb. Very Hot Water Will Work.

If you need special fittings ask; we should be able to supply. We even have a special fitting that fits over the small hose coming out of some welders. These usually have an OD of 5/32 inches. See photo right.



HOW MUCH CAN SHIELDING GAS CAN BE SAVED?

Hard to measure gas savings in a home shop but many of our *Industrial Users* have supplied detailed savings results. Many measure by selecting a part made in large quantities. They count the number of parts made with a full cylinder of gas using their existing gas delivery hose from feeder/welder to gas supply. Then simply replacing the existing gas delivery hose with our **GSS**, they count the number of parts made, making no other changes. In addition to gas savings many also see the improved weld starts.

Some of the results are very dramatic:



Manufacturer of Truck Boxes

A manufacturer of truck boxes picked an item made by the thousands - truck box doors. They welded 236 doors with one full cylinder of gas with their standard gas delivery hose. Simply replacing the hose with a **GSS** they were able to weld 632 doors with one cylinder. It would have taken 2.7 cylinders to weld 632 doors with their standard system. Needless to say they purchased systems for all 25 MIG welders. A year later they purchased 10 more **GSS**'s for additional welders put in production.



Exhaust System Manufacturer

A company making automotive exhaust systems conducted a Black Belt Lean Manufacturing Study. They needed detailed data to define how much shielding gas a **GSS** would save. They purchased four 6 foot long **GSS**'s for the test as that was the typical distance from gas supply to their 128 MIG Welding Robots. They welded many different weld joints for mufflers, catalytic converters and finished exhaust systems. Many systems are delivered assembled to automotive companies. They welded parts with their existing gas hose then installed the **GSS**. They used gas in cylinders so they could exactly measure amounts used. The number of parts made with both systems and full cylinders were compared. The end results showed a minimum savings of 25% and for some weldments over 40% saving of the shielding gas. They purchased **GSS**'s for all their 128 Robots.

GSS is Available in Lengths from 3 to 50 Feet (and Longer)

Visit www.NetWelding.com for more information and to purchase our patented **GSS**. We also introduced a patented product that allows locking a flowmeter gas setting on cylinder regulator/flowmeters or gas pipeline flowmeters. It fits most models and brands of flowmeters.