

WA Technology

Shielding Gas Hose Fittings on US Made and Some Other Welders & Wire Feeders

Founded in 1913, the Compressed Gas Association represents members of the **industrial and medical gases** and **equipment industry** in the **United States and Canada**.

Many years ago they defined connections for gas hose that used metal to metal seats and had different thread sizes for different gases, Oxygen, Fuel Gas and Inert Gas. For Inert Gas it is called an 032 or commonly a “B” fitting.

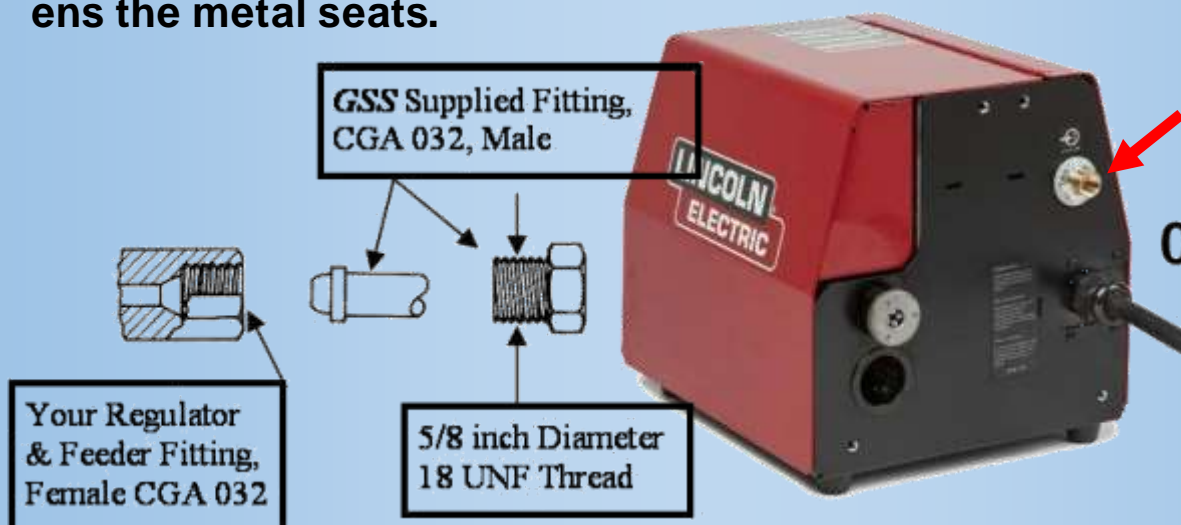
US Welding Equipment Manufacturers have used that two piece fitting for decades on welders & wire feeders. Now some overseas products also use this high quality fitting.

We supply a US sourced precision “B” fitting as standard on our fitted **GSS** and when purchasing our patented bulk hose and pairs of separate fittings.

NOTE: The threaded section is NOT a pipe thread! DON'T USE TEFLON TAPE! A piece could cover part of seat. The nut just tightens the metal seats.



**CGA “B”
Female
032 Fitting**



**GSS Supplied Fitting,
CGA 032, Male**

**5/8 inch Diameter
18 UNF Thread**

**Your Regulator
& Feeder Fitting,
Female CGA 032**

What If I Have A Hose Barb on My Regulator?



Newer Regulator/Flowgauge on Miller 211 & Hobart Handler



That Hose Barb MUST Remain

There are a few US made products that use hose barbs unlike most Victor, Harris or a majority of Miller/Smith that use a female CGA "B" fitting as they use on their welders.

If the barb fitting has an orifice in the fitting, it MUST Remain as it sets flow rate.

Then there are two options to use a:



CGA "B" Female 032 Fitting

SPLICE FITTING



Cut Hose ~2 inches

OR Order an Extra Cost SFIT-4 Fitting with Female "B" to Hose Splice Adapter



Cut Hose ~2 "

Have a Miller 211 or Hobart Handler with a hose barb on the flow control?
We have a 4 foot GSS Part # FBS4 with a "B" fitting on the Welder End and Splice Fitting on the Cylinder Hose End that can be ordered.

Don't Have a "B" Fitting on Flowmeter or Welder/Feeder?



Hose barb outputs or none CGA "B" NPT female fittings come on some none US/Canadian made Flowmeters and welders particularly Robot welders that are mostly made overseas. If a flowmeter has a hose barb it usually can be removed as there is not a flow control orifice in those barbs. Flow rate is set by the needle valve.

We have two solutions that can be used for these situations:

1) A Splice Fitting is most common as used with Regular/Flowgauges shown on the previous page , an SFIT-4 Female "B" adapter OR

2) One of Two Threaded Adapters. Both have CGA "B" female ends and either a male 1/8 inch NPT or male 1/4 inch NPT pipe thread.

Be sure to check the NPT size needed and assure it is a US NPT pipe thread.

