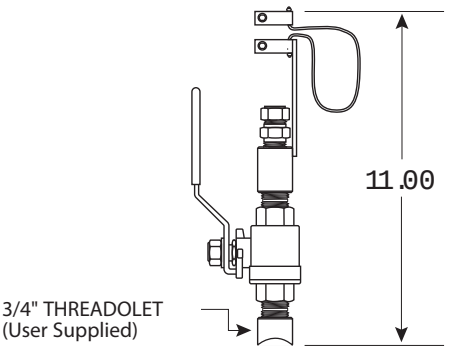
1/2” Mounting Hardware[1, 2, 3, 4, 6, 7]

SVA05 SERIES ISOLATION VALVE ASSEMBLY FOR INSERTION METERS[4]

(for Low Pressure SVA05 see page 46)

Used for pressures to 250 psig[1] (shown for use with 1/2" diameter insertion meters). 150# or 300# flanged mounting is optionally available. 1/2" x 3/4" NPT (SVA05 shown).

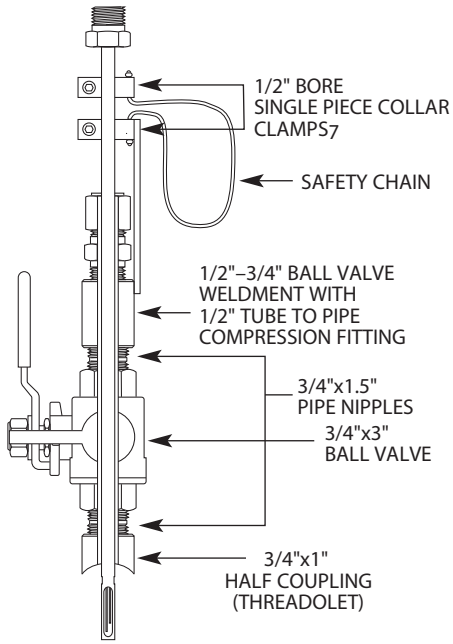


NOTE: User needs to weld a 3/4" female threadolet (of appropriate radius) to mate with existing pipe after a 3/4" hole has been drilled in pipe. The 3/4" Male Coupling of the Sage Isolation Valve Assembly will thread into the user’s 3/4" threadolet.

PROBE LENGTH (with sensor)	SAFETY CHAIN LENGTH[2]
12"	8.25"
15"	11.25"
18"	14.25"
24"	20.25"

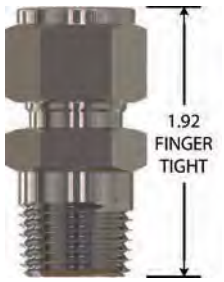
SVA05 SERIES ISOLATION VALVE ASSEMBLY DETAIL[5]

Cut away view of probe inserted through isolation ball valve assembly.

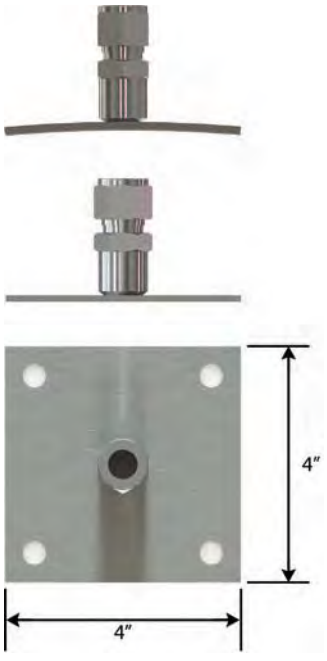


STCF SERIES TEFLON FERRULE COMPRESSION FITTING

1/2" tube x 1/2" pipe fitting (shown, not to scale), is used for low pressure insertion applications to 125 psig (Stainless Steel Ferrule optional for higher pressure applications – up to 225 psig). Also available in 3/4" tube x 3/4" pipe size.



MOUNTING PLATE FOR THIN WALLED DUCTS (INCLUDES STCF05 COMPRESSION FITTING)

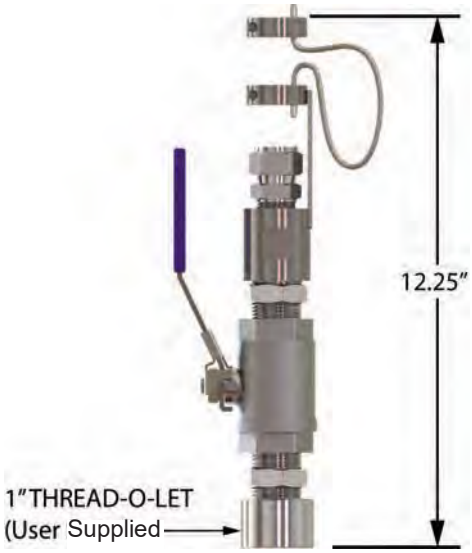


1 At 250 psig, force exerted on 1/2" diameter probe is 50 lbs
2 Safety chain is designed to prevent probe from accidentally escaping from assembly during removal from pressurized pipe
3 Insertion meters can have optional flanged mounting (generally used for high pressure or very hot gases). This adaptation is not shown. Consult factory for details.
4 Maximum gas temperature, 200F, unless high temperature models ordered.
5 Hot Tapping is feasible by removing Weldment (upper portion of assembly temporarily removed)
6 See page 54. SVA05 can be utilized for Sensor Functionality and Zero Self Check.
7 The allen wrench for SVA05 is ¾ (it is ⅜ for SVA07).

3/4” Mounting Hardware[1, 3]

SVA07 SERIES ISOLATION VALVE ASSEMBLY FOR INSERTION METERS[4]

Used for pressures to 125 psig[1] (shown for use with 3/4" diameter insertion meters). 150# or 300# flanged 3/4" x 1" NPT for use with 3/4" diameter insertion meters (SVA07 shown).



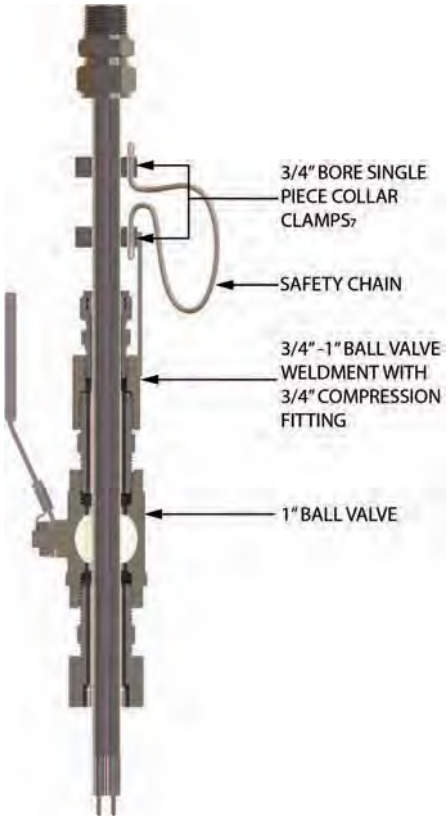
Note: User needs to weld a 1” female thread-olet (of appropriate radius) to mate with existing pipe after a 1” hole has been drilled in pipe. The 1” Male Coupling of the Sage Isolation Valve Assembly will thread into the user’s 1” threadolet.

STCF SERIES TEFLON FERRULE COMPRESSION FITTING

3/4" tube x 3/4" pipe fitting (shown, not to scale), is used for low pressure insertion applications to 125 psig (Stainless Steel Ferrule optional for higher pressure applications – up to 225 psig). Also available in 3/4" tube x 3/4" pipe size.

SVA07 SERIES ISOLATION VALVE ASSEMBLY DETAIL[2]

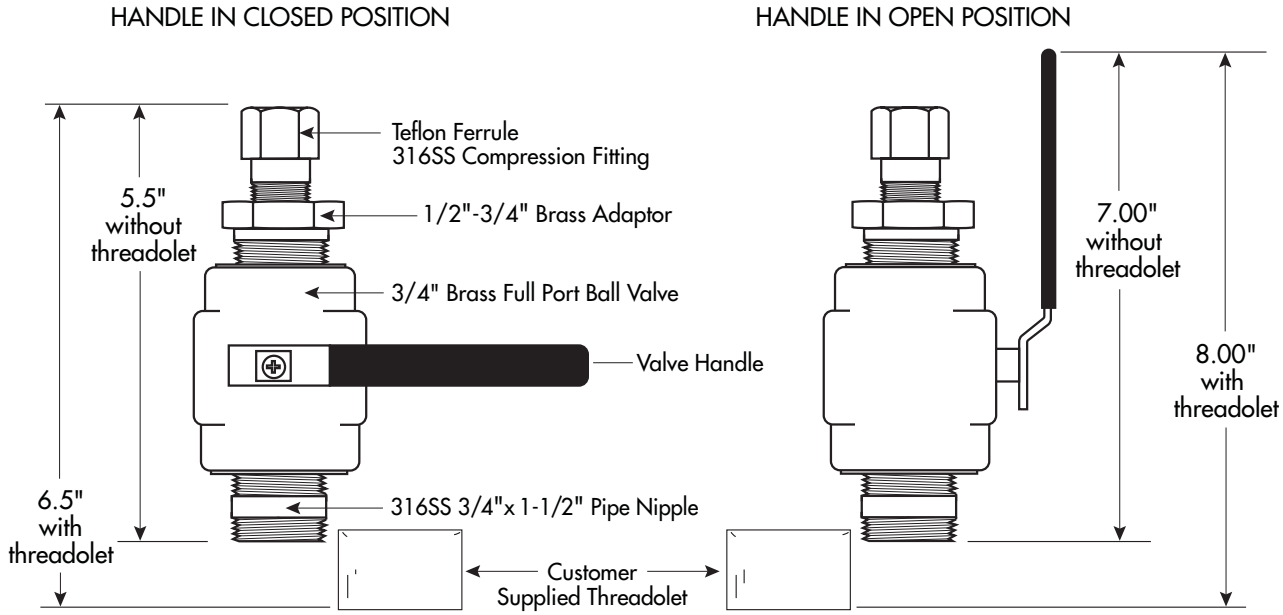
Cut away view of probe inserted through isolation ball valve assembly.



PROBE LENGTH (with sensor)	SAFETY CHAIN LENGTH[2]
12"	8.25"
15"	11.25"
18"	14.25"
24"	20.25"

1 Safety chain is designed to prevent probe from accidently escaping from assembly during removal from pressurized pipe
2 Hot Tapping is feasible by removing Weldment (upper portion of assembly temporarily removed)
3 See page 53. SVA07 can be utilized for Sensor Functionality and Zero Self Check.

SVA05LP Low Pressure Isolation Valve Assembly



NOTES AND CAUTIONS

- Suitable for low pressure Air or Natural Gas applications (maximum 50 PSIG)
- Assumes ½" Insertion Probe inserted to center of a Pipe (see Sage Probe Insertion Guidelines)
- Teflon Ferrule permits ease of Probe insertion or removal
- Exercise caution when loosening Ferrule nut during insertion and removal of Probe, since this model has no Safety Chain
- Note, maximum upward force is 20% of pipe pressure (i.e., 10 Lbs with 50 PSIG)
- The Assembly will be shipped with a plastic sleeve that protects the 3/4" pipe nipple
- It is the Customer's responsibility to weld a Female Threadolet with correct diameter to pipe