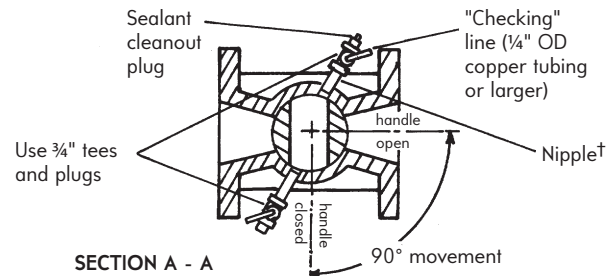
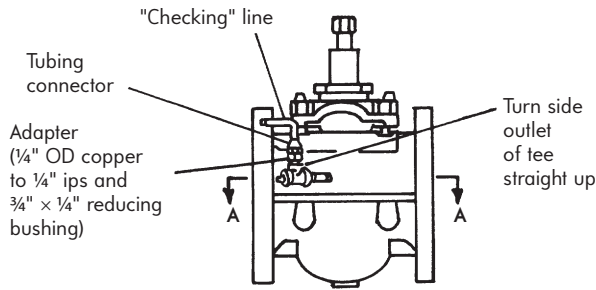


METHOD 1-PLUG AXIS VERTICAL



Provide 3/4" ips connecting tees and cleanout plugs between the copper tubing of the checking line and the checking connections of the FM valves. These special connections are needed to trap the sealant and prevent it from entering and eventually plugging the copper tubing, thus rendering the system inoperative. (This is a nuisance--not an unsafe failure of the system.)

There are two variations of this connecting assembly. Method 1 is applicable if the FM valve is installed with the axis of its plug vertical.

METHOD 2-PLUG AXIS HORIZONTAL

Method 2 is applicable if the FM valve is installed with the axis of its plug horizontal. A short nipple and coupling are connected to the tee at the lower checking connection, and the cleanout plug is screwed into this coupling. This provides additional space for trapping sealant that runs down by gravity from the lower checking connection.

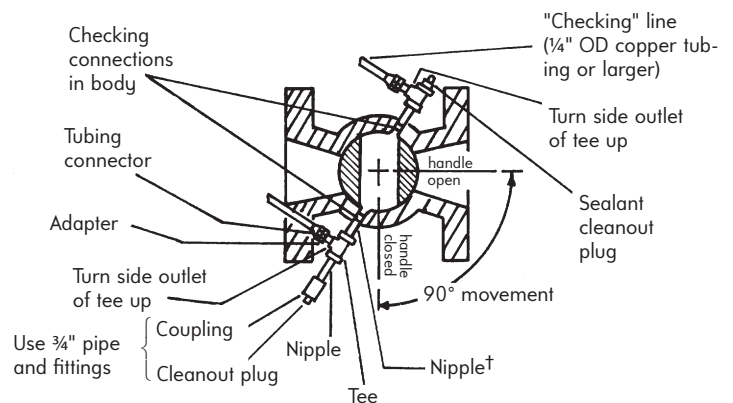
At the upper checking connection, the cleanout plug is screwed directly into the tee as in Method 1. The cleanout plugs should be removed at periodic intervals, and the sealant in the pipe fittings should be removed with a wooden ramrod. The interval between cleanout operations will vary between the individual installations. The frequency usually required presents no unreasonable maintenance problem.

GLAND ADJUSTMENT is factory-set and ordinarily needs no field adjustment. Do not loosen gland adjustment or cover bolts to make valve turn easier. This will permit plug to rise off its seat, sealant will dissipate, and the valve may leak.

HOW TO LUBRICATE: Lubricated valves may be lubricated in either the open or closed positions, by means of the lubricant screw or a pressure gun. **Standard lubricant fittings may be used in place of the lubricant screw without need of an adapter.**

To lubricate the plug valve, simply:

1. Turn down lubricant screw, or apply pressure gun, to feed lubricant into valve.
2. If possible, rotate plug back and forth while lubricant is being fed into valve.
3. Stop feeding lubricant when lubricant appears around stem.



LUBRICATION REQUIRED: FM approval of 1857 Valves is valid only with Homestead #650 or #900 lubricant that is good for natural gas, propane, or coke oven gas. Use of any other lubricant voids the approval. FM requires the valves be lubricated after every 20 cycles. Lubrication is necessary for sealing and ease of operation.

All valves shipped from Fives North American Combustion, Inc. will be filled with #650 lubricant with a temperature range of 0° to 180°F

For Valve Sizes	Use Stick Size	Order by R Number (box of 24 sticks)	Lubricant	Temp. Range
1857-01 thru -3	3/8" dia.	R400-6286	#900	10° to 240°F
1857-4 thru -7 (incl. -F)	1/2" dia.	R400-6287	#900	10° to 240°F

† 3/4" and 1/8" nipple plus 3/4" x 1/8" reducer

WARNING: Situations dangerous to personnel and property may exist with the operation and maintenance of any combustion equipment. The presence of fuels, oxidants, hot and cold combustion products, hot surfaces, electrical power in control and ignition circuits, etc., are inherent with any combustion application. Components in combustion systems may exceed 160°F (71°C) surface temperatures and present hot surface contact hazard. Fives North American Combustion, Inc. suggests the use of combustion systems that are in compliance with all Safety Codes, Standards, Regulations and Directives; and care in operation.

CONTACT

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