

# TANNER TRI-FLUID INJECTOR

## MODELS TFI-3.4 and TFI.86 CONSUMPTION CHART

ALL OUTPUTS ARE APPROXIMATE AND SHOULD BE USED AS A GUIDE ONLY

OUTPUT CAN ALSO BE MEASURED ON THE H-21 TANK GAUGE (3/4"=1GAL)

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PUMP STROKES	OUNCES PER HOUR MODEL TFI.86	OUNCES PER HOUR MODEL TFI3.4
0	12	0
5	22	0
10	24	0
15	36	0
20	48	12
25	54	38
30	60	68
35	68	102
40	76	132
45	92	162
50	95	192
55	106	218
60	108	256
65	120	288
70	126	312
75	129	342
80	132	368
85	132	392
90	120	440
95	100	464
100	25	496



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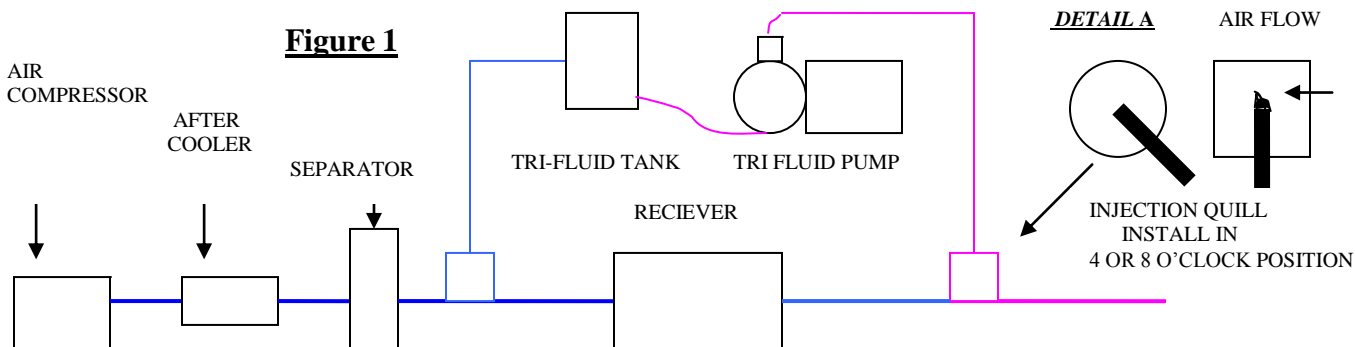
# TRI-FLUID INJECTOR

## H-23 TANK AND H-01 INJECTOR QUILL INSTALLATION INSTRUCTIONS

### MODELS TFI-3.4 AND TFI.86

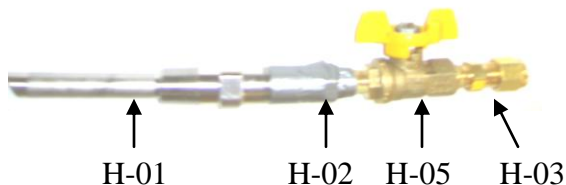
#### LOCATION:

**DO NOT** locate near fire, intense lamps or other excessive heat. The TRI-FLUID INJECTOR is equipped with 2 lines which must be connected to the air system (refer to figure 1). The injection quill should be located **after** the compressor and the air receiver. 50' of 3/8" tubing is supplied with unit to be divided between the air supply and the fluid outlet, so position TRI-FLUID INJECTOR accordingly.



Injection quills are designed to insure rapid dispersal of Tanner fluids. All quills include a check valve which prevents backflow.

**Figure 2**



H-01	INJECTION QUILL
H-02	1/2"X1/4" REDUCER
H-05	1/4" BALL VALVE
H-03	3/8"X1/4" TUBE FITTING

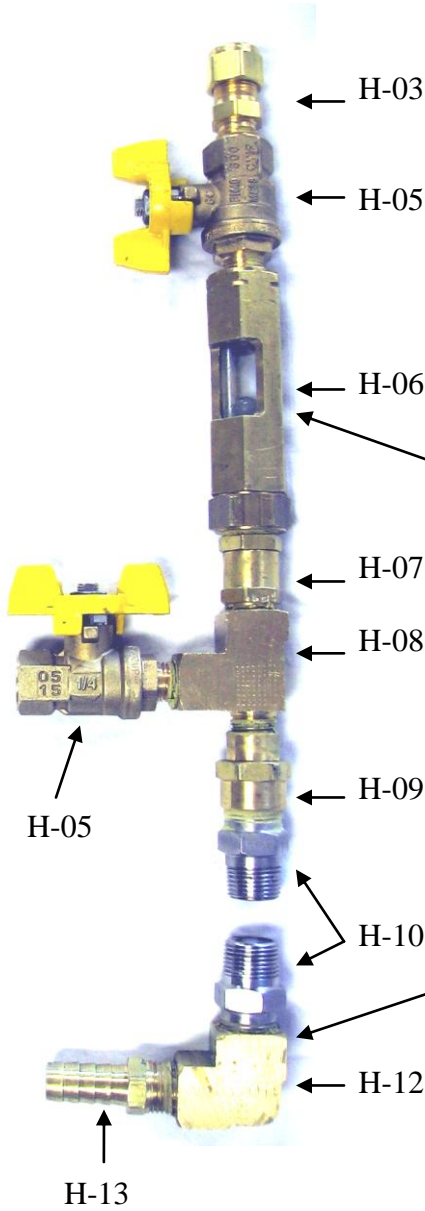
#### INJECTION QUILL INSTALLATION

- A.** Installation of a 1/2" NPT coupling is needed in your air line at a 4 or 8 o'clock position (see detail A). This will allow gravity to assist the check valve in seating. The quill should be installed using the appropriate compound or teflon tape.
- B.** For lines smaller than 4" diameter, trim quill so chemical is released near the center of air Line. Use as is for air lines 4" in diameter and larger.
- C.** Install with "telltale" drill indentation facing upstream (see detail A) so flow strikes angled face of quill for most rapid dispersal of Tanner fluids.
- D.** For ease of maintenance an isolation valve behind valve is recommended.



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**TRI-FLUID INJECTOR**  
**PUMP ASSEMBLY & PARTS LIST**  
**MODELS TFI-3.4 AND TFI.86**



H-03	3/8"X 1/4" TUBE FITTING
H-04	3/8" NYLON TUBING (50')
H-05	1/4" BALL VALVE (2)
H-06	1/4" SIGHT GLASS
H-07	1/4" CHECK VALVE
H-08	1/4" BRASS TEE
H-09	3/8"X1/4" REDUCER
H-10	3/8" CHECK VALVE (2)
H-11/3.4	JAECO PUMP
H-11/.86	JAECO PUMP
H-12	3/8" 90° ELBOW
H-13	1/2"X3/8" BARBED FITTING



**MODELS: TFI.86  
TFI-3.4**

H-28/543	PUMP DIAPHRAM
H-29/533	EP-50 HYDRAULIC OIL, 1QUART
H-28/.86	PUMP ONLY, W/O MOTOR
H-28/3.4	PUMP ONLY, W/O MOTOR
H-40/.86	ELECTRIC MOTOR, W/O PUMP
H-40/3.4	ELECTRIC MOTOR, W/O PUMP

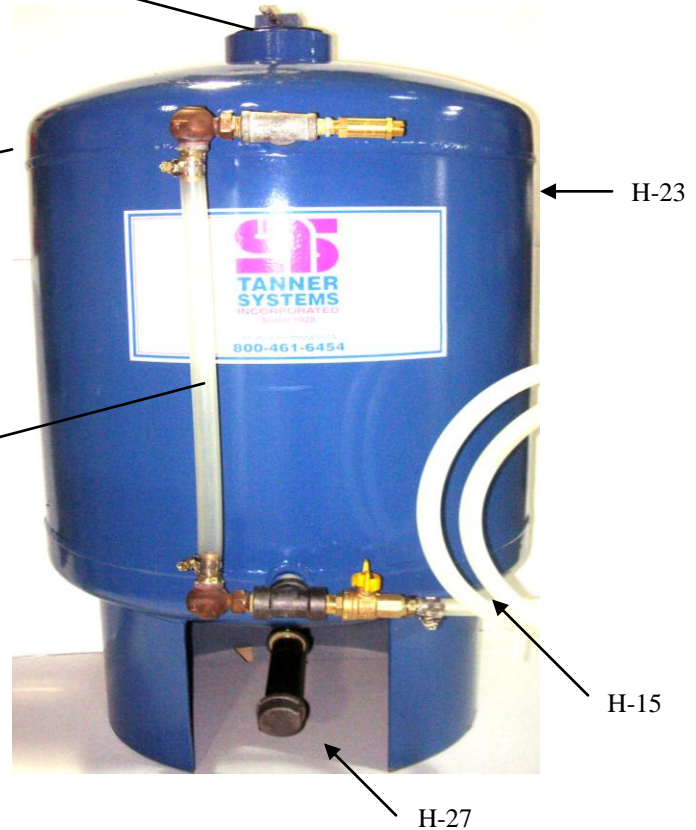
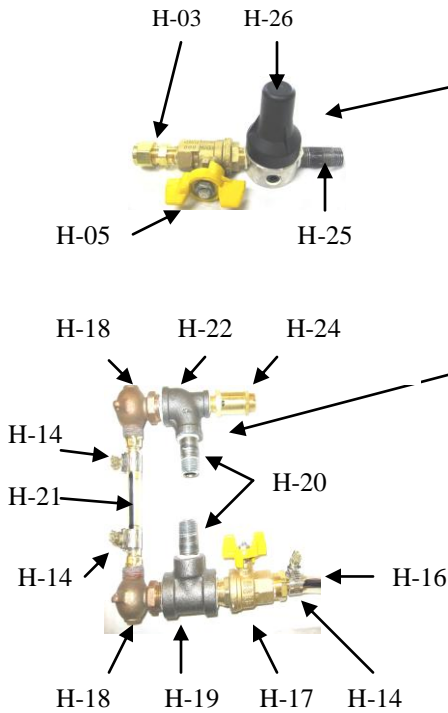
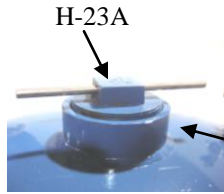


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**TRI-FLUID INJECTOR**  
**TANK ASSEMBLY AND PARTS LIST**  
**MODELS: TFI-3.4 AND TFI.86**

+ IMPORTANT: H-23 Tank Maximum Pressure 5 p.s.i.  
H-26 Regulator set for 5 p.s.i., not adjustable

H-03	3/8"X1/4" TUBE FITTING
H-05	1/4" BALL VALVE
H-14	HOSE CLAMPS (2)*
H-15	1/2" TUBE (6')
H-16	1/2"X1/2" BARBED FITTING
H-17	1/2" BALL VALVE
H-18	GAUGE GLASS FITTINGS (2)*
H-19	1/2" PIPE TEE
H-20	1/2" PIPE NIPPLES (2)*
H-21	GAUGE TUBE (17")
H-22	1/2"X1/2"X1/4" PIPE TEE
H-23	PRESSURE TANK ONLY +
H-23A	3" FILL PLUG
H-24	10 PSI SAFETY RELIEF VALVE
H-25	1/4" PIPE NIPPLE
H-26	5 PSI PRESSURE REGULATOR +
H-27	1" PIPE CAP



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