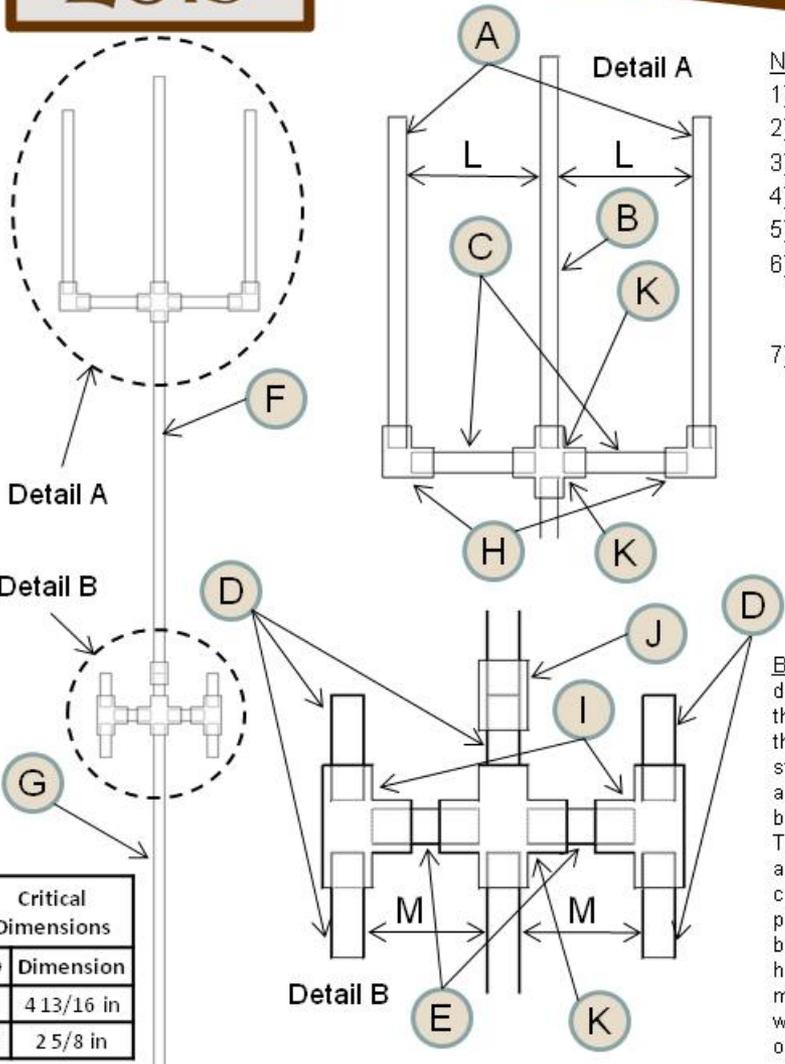




# Hints Wise or Otherwise PSI DEVICE



Critical Dimensions	
ID	Dimension
L	4 13/16 in
M	2 5/8 in

## NOTES:

- 1) All parts are schedule 1/2 inch 40 PVC
- 2) Construct device on flat surface with all parts parallel to the surface and square with each other
- 3) All Tine ends, as well as both ends in straight couple, are to be rounded, de-burred, and smooth
- 4) All joints glued using PVC cement with exception of those identified as DO NOT GLUE
- 5) Some distances are identified as critical (space between tines), other are not
- 6) Some joints are identified as "glue optional" to allow adjustment for critical distance between tines. These may be glued or left unglued. If glued Tines must be square, parallel and meet the critical dimensions
- 7) Where identified as "glue optional", PVC lengths are 1/4" short to allow for manufacturer variation in PVC joints and allow unglued pieces to be adjusted without undue force.

ID	Qty	Length	Description	Assembly
A	2	10"	Upper Outer Tines	Glue PVC Tine to Elbow
B	1	12"	Upper Center Tine	Glue PVC Tine to Cross Tee
C	2	4 1/4"	Upper Horizontal Supports	Glue PVC inner end to Cross Tee. Glue optional for PVC outer end to Elbow
D	5	2"	Lower Tines	Glue all PVC Tine joints <u>EXCEPT</u> the Tine to Couple joint
E	2	2 1/4"	Lower Horizontal Supports	Glue PVC inner end to Cross Tee. Glue optional for PVC outer end to Tee
F	1	23 1/4"	Upper Main Shaft	Glue PVC upper end to Cross Tee. <u>DO NOT GLUE</u> PVC lower end to Couple
G	1	36"	Lower Main Shaft	Glue PVC to Cross Tee
H	2		Elbows	See above for glue options
I	2		Tees	See above for glue options
J	1		Couple	<u>DO NOT GLUE</u> either side of Couple
K	2		Cross Tees	All four joints are glued
When assembled - Space between upper tines critical 4 13/16", +/- 1/16				
When assembled - Space between lower tines critical 2 5/8", +/- 1/16				

**Beer Can Test** - the distance between the upper Tines is the height of a standard beer can, and the distance between lower Tines is the width of a standard beer can. Tines must be parallel and the beer can should have some, but minimal resistance, when run the length of the Tines.