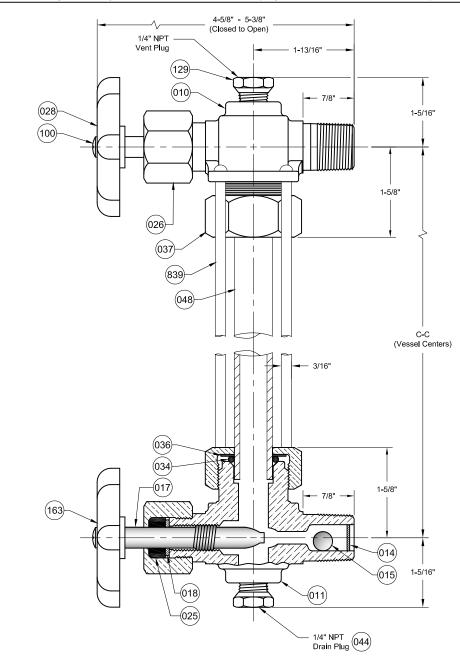
This Drawing and the Subject Matter Disclosed Therein is the Property of John C Ernst LLC. It is Not to be Copied, Used, Appropriated or Disclosed to Others Without the Expressed Permission of John C Ernst LLC.



T13 Series Configuration Choices:
Reference the Series T13 Model Number Matrix on our Website or Inquire with our Sales Team

Viton® is a Registered Trademark of the Chemours Company

REVISIONS							
Rev.	Modification	Date	Done By				
0	Original	9/15/2016	WAS				
Α	Guard Rod Ø Added	3/21/2017	WAS				
В	FEP Tube is Not Recommended with FEP O-Rings, Buna-N Added, Gland is Non-Wetted	2/27/2018	WAS				

	DILL OF MATERIAL O							
	BILL OF MATERIALS							
		*Denotes an Optional, Non-Standard Material						
	No.	Name of Part	Qty.	Material	Max. Temp. (°F)	Material Grade / Notes		
Wetted	010	Upper Valve Body	1	Zinc Plated Carbon Steel				
	011	Lower Valve Body	1	Zinc Plated Carbon Steel				
	014	Retainer (Ball Check)	2	15-7SS		Grade 100		
	015	Ball Check	2	316SS				
	017	Stem	2	316SS				
	018	Retainer (Stem Packing)	2	316SS				
	025	Packing (Stem)	2	PTFE	400			
	1 034 1	Gasket (O-Ring Style)		Viton®	400			
			2	*Neoprene	250			
				*EPDM	280			
				*FEP Encapsulated Silicone 1	400			
				*Buna-N	225			
	044	Drain Plug	1	Zinc Plated Carbon Steel				
	048	Sight Glass/Tube	1	Cust. Specified	Var.	Upon Request		
	129	Top Vent Plug	1	Zinc Plated Carbon Steel				
Non-Wetted	026	Nut (Stem Packing)	2	Zinc Plated Carbon Steel				
	028	Handwheel	2	Cast Zinc.				
	036	Gland (Glass Packing)	2	304SS				
	037	Nut (Glass Packing)	2	Zinc Plated Carbon Steel				
	100	Handwheel Screw	2	18-8SS				
	163	Name Plate	1	Aluminum		•		
	839	Guard Rods	4	304SS		Upon Request		

PRODUCT SPECIFICATIONS								
Assembly Limited to Glass and Gasket Ratings								
Size MNPT	Liquid Service ₂ (PSIG)	Steam Service (PSIG)	Auto Ball Checks	Glass OD	Glass Length From Centers	Rod Length From Centers		
1/2" 3/4"	500 @ 400°F	NR	Yes	5/8" 3/4"	-2"	-1/2"		

KEY NOTES:

- 1. FEP O-Rings are Not Recommended with FEP Tubing
- 2. Limited to Glass & Gasket Ratings

	Ј они	I C ERNST LI		www.johnernst.com 21 Gail Ct. Sparta, N.J. USA			
Series T13 Style 442 - Zinc Plated Steel Valve Set - 1/2" & 3/4"							
	Sheet: 1 of 1	Drawn By: WAS	Tolerances, unless otherwise noted	Size:			
	Scale: NTS	Approved By: JCW	Dec.: ± Frac.: ±1/16" Ang.: ±	Α			
	Dim.: Inches	Date: 26-FEB-18	Dwg. No.: SC2.00T13.02.0.0	Rev.: B			