



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

BILL OF MATERIALS						
*Denotes an Optional, Non-Standard Material						
No.	Name of Part	Qty.	Material	Max. Temp. (°F)	Material Grade / Notes	
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		
034	Gasket (O-Ring Style)	2	Viton®	400		
			*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"	500 @ 400°F	NR	Yes	5/8"	-2"	-1/2"
3/4"				3/4"		

KEY NOTES:

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

T13 Series Configuration Choices:

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

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JOHN C ERNST LLC.		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 Dec.: ± Frac.: ±1/16" Ang.: ±	Size: A
Scale: NTS	Approved By: JCW		
Dim.: Inches	Date: 26-FEB-18	Dwg. No.: SC2.00T13.02.0.0	Rev.: B