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EZX1-A B C D E F G J K 9B 9C 9D 9E 9Z

EZ-OVT trim selection string: EZX1-A F J K 9B & EZOVTX1-A B C D 9A 9B

Temperatures per ASME B31.3, EN1092-1

CWP per ASME B16.34, EN1092-1

Item	Parts contained in Item	Find Number
A	Valve Body	1
	Pipe Plug	17
B	Seat Ring Retainer	3
C	Seat Ring	9
D	Valve Plug	2
	Groove Pin	8, 31
	Plug Guide	27
	Disc Retainer	28
	Disc or Disc Seat	29
	Plug Tip	30
E	Bonnet Gasket	10
	Spiral Gasket	12
	Seat Ring Gasket or Seal Ring	13
	Shim	25
F	Cap Screw or Stud Bolt	15
	Hex Nut	16
G	Stem	7
J	Drive Screw	19
	Nameplate	33
	Wire	34
K	Flow Arrow	18
	Drive Screw	19
9B	Class/Hydro	
9C	Seat Leak per FGS 4L5	
9D	Nameplate Data	
9E	Flow Direction	
9Z	Partial Assembly	

**ITEM A - VALVE BODY (W/OUT DRAIN TAP = N/TAP) (W/DRAIN TAP = TAP)**

BODY	TEMP ° F	TEMP ° C	RATING	CWP (PSI)	CWP (BAR)
CI	-100+406	-73+208	CI 250	400	27.6
CI CL B	-100+450	-73+232	CI 125	200	13.8
			CI 250	500	34.5
			PN10	232	16
WCC	-20+800	-29+427	CI 150	290	20
			CI 300	750	51.7
			CI 600	1500	103.4
			PN10/16/25/40	580	40
			PN63/10	1450	100
LCC	-50+650	-46+343	CI 150	290	20
			CI 300	750	51.7
			CI 600	1500	103.4
			PN10/16/25/40	580	40
			PN63/100	1450	100
C5	-20+1100	-29+593	CI 150	290	20
			CI 300	750	51.7
			CI 600	1500	103.4
CF8M	-325+1000	-198+538	CI 150	275	19
			CI 300	720	49.6
			CI 600	1440	99.3
			PN10/16/25/40	580	40
			PN63/100	1450	100
ALY 20	-325+800	-198+427	CI 150	230	15.9
			CI 300	600	41.4
			CI 600	1200	82.7
HAST C	-325+1000	-198+538	CI 150	290	20
			CI 300	750	51.7
			CI 600	1500	103.4
MONEL	-325+800	-198+427	CI 150	230	15.9
			CI 300	600	41.4
			CI 600	1200	82.7
CD3MN	-20+500	-29+260	CI 300	750	51.7

NPS 1/2	NPT		SOCKET WELD		CL 150 RF		CL 300 RF		CL 600 RF	
	N/TAP	TAP	N/TAP	TAP	N/TAP	TAP	N/TAP	TAP	N/TAP	TAP
	A	A	A	A	A	A	A	A	A	A
CAST IRON	1	10	M	M	-	-	-	-	-	-
WCC	2	11	7	16	196	-	197	-	198	-
CF8M	3	12	8	17	199	-	200	-	201	-
ALLOY 20	4	13	M	M	-	-	-	-	-	-
HAST C	5	14	M	M	-	-	-	-	-	-
MONEL	6	15	M	M	-	-	-	-	-	-
C5	136	138	137	139	-	-	-	-	-	-
			-	-						

**ITEM A - VALVE BODY (CONT)**

(W/OUT DRAIN TAP = N/TAP) (W/DRAIN TAP = TAP)

NPS 3/4	NPT		SOCKET WELD		CL 150 RF		CL 300 RF		CL 600 RF	
	N/TAP	TAP	N/TAP	TAP	N/TAP	TAP	N/TAP	TAP	N/TAP	TAP
	A	A	A	A	A	A	A	A	A	A
CAST IRON	19	28	M	M	-	-	-	-	-	-
WCC	20	29	25	34	202	-	203	-	204	-
CF8M	21	30	26	35	205	-	206	-	207	-
ALLOY 20	22	31	M	M	-	-	-	-	-	-
HAST C	23	32	M	M	-	-	-	-	-	-
MONEL	24	33	M	M	-	-	-	-	-	-
C5	140	142	141	143	-	-	-	-	-	-

NPS 1	NPT		125B FF		250B RF		SOCKET WELD		SCH 40 BWE		SCH 80 BWE	
	N/TAP	TAP	N/TAP	TAP	N/TAP	TAP	N/TAP	TAP	N/TAP	TAP	N/TAP	TAP
	A	A	A	A	A	A	A	A	A	A	A	A
CAST IRON	37	79	38	80	39	81	M	M	M	M	M	M
WCC	40	82	M	M	M	M	45	87	48	90	51	93
CF8M	41	83	M	M	M	M	46	88	49	91	52	94
ALLOY 20	42	84	M	M	M	M	M	M	M	M	M	M
HAST C	43	85	M	M	M	M	M	M	M	M	M	M
MONEL	44	86	M	M	M	M	M	M	M	M	M	M
C5	144	153	M	M	M	M	145	154	146	155	147	156

	CL 150 RF		CL 300 RF		CL 600 RF		CL 150 RTJ		CL 300 RTJ		CL 600 RTJ	
	N/TAP	TAP	N/TAP	TAP	N/TAP	TAP	N/TAP	TAP	N/TAP	TAP	N/TAP	TAP
	A	A	A	A	A	A	A	A	A	A	A	A
WCC	54	96	59	101	64	106	69	111	176	182	74	116
LCC	188	-	189	-	190	-	-	-	-	-	194	-
CF8M	55	97	60	102	65	107	70	112	177	183	75	117
ALLOY 20	56	98	61	103	66	108	71	113	178	184	76	118
HAST C	57	99	62	104	67	109	72	114	179	185	77	119
MONEL	58	100	63	105	68	110	73	115	180	186	78	120
C5	148	157	149	158	150	159	151	160	181	187	152	161
CD3MN	-	-	193	-	-	-	-	-	-	-	-	-

DN25, EN1092-1

WITHOUT DRAIN TAPPING

	RF (Type B)			Spigot (Type E)		Recess (Type F)	
	PN 10/16	PN 10/16/25/40	PN 63/100	PN 10/16/25/40	PN 10/16/25/40	PN 63/100	
	A	A	A	A	A	A	A
CI	167	-	-	-	-	-	-
WCC	-	168	209	192	212	215	
CF8M	-	169	210	195	213	216	
LCC	-	208	211	191	214	217	

**ITEM B - SEAT RING RETAINER, BUSHING****ITEM C - SEAT RING****ITEM D - VALVE PLUG****ITEM G - STEM**

METAL SEAT - MICRO-FLOW & MICRO-FLUTE

METAL SEAT - MICRO-FLOW & MICRO-FLUTE						THERMAL EXPANSION LIMIT TRIM/BODY COMB WHERE APPLICABLE	
SEAT RING RETAINER	SEAT RING	VALVE PLUG	STEM	NON LUBR FLUID	LUBR FLUID		
				TEMP ° F	TEMP ° F	BODY	TEMP °F
ALY 20 HAST C MONEL CB7CU-1	ALY 20 HAST C K-MONEL 416	ALY 20 HAST C K-MONEL 416	ALY 20 HAST C K-MONEL 316	-325+300 -325+300 -325+600 -20+800	-325+300 -325+300 -325+600 -20+800	CF8M,WCC	-20+600
CB7CU-1 316	316 316	ALY 6 ALY 6	316 316	-150+300 -325+300	-150+300 -325+300		
HARD FACED SEAT & BORE RING							
HARD FACED SEAT & GUIDE PLUG							
CB7CU-1 316	316 316	316 316	316 316	-150+800 -325+1100	-150+800 -325+1100	CF8M	-150+700
HARD FACED SEAT & BORE RING							
CB7CU-1 316	316 316	ALY 6 ALY 6	316 316	-150+300 -325+300	-150+800 -325+1100	CF8M	-150+700
HARD FACED SEAT RING							
HARD FACED SEAT & GUIDE PLUG							
CB7CU-1 316	316 316	316 316	316 316	-150+300 -325+300	-150+800 -325+1100	CF8M	-150-700 (LUBR)
HARD FACED SEAT RING							
CB7CU-1 316	316 316	ALY 6 ALY 6	316 316	-150+300 -325+300	-150+800 -325+1100	CF8M	-150-700 (LUBR)
HARD FACED SEAT & GUIDE PLUG							
CB7CU-1 316	316 316	316 316	316 316	-150+300 -325+300	-150+300 -325+300		

**ITEM C - SEAT RING****ITEM D - VALVE PLUG****ITEM G - STEM**

METAL SEAT - MICRO-FLOW & MICRO-FLUTE

SEAT RING RETAINER	SEAT RING	VALVE PLUG	STEM	(SEAT LOAD NOT CONSIDERED) MAXIMUM ΔP (PSI) (CANNOT EXCEED C.W.P.)	
				SHUT OFF	FLOWING
ALY 20	ALY 20	ALY 20	ALY 20	300	1500
HAST C	HAST C	HAST C	HAST C	300	1500
MONEL	K-MONEL	K-MONEL	K-MONEL	800	1500
CB7CU-1	416	416	316	1500	1500
CB7CU-1	316	ALY 6	316	300	1500
316	316	ALY 6	316	300	1500
HARD FACED SEAT & BORE RING					
HARD FACED SEAT & GUIDE PLUG					
CB7CU-1	316	316	316	1500	1500
316	316	316	316	1500	1500
HARD FACED SEAT & BORE RING					
CB7CU-1	316	ALY 6	316	1500	1500
316	316	ALY 6	316	1500	1500
HARD FACED SEAT RING					
HARD FACED SEAT & GUIDE PLUG					
CB7CU-1	316	316	316	1500	1500
316	316	316	316	1500	1500
HARD FACED SEAT RING					
CB7CU-1	316	ALY 6	316	1500	1500
316	316	ALY 6	316	1500	1500
HARD FACED SEAT & GUIDE PLUG					
CB7CU-1	316	316	316	300	1500
316	316	316	316	300	1500



METAL SEAT

ALL EXCEPT MICRO-FLOW & MICRO-FLUTE

SEAT RING RETAINER	BUSHING	SEAT RING	VALVE PLUG	STEM	NON LUBR FLUID	LUBR FLUID	THERMAL EXPANSION LIMIT TRIM/BODY WHERE APPLICABLE			
					TEMP °F	TEMP °F	BODY	TEMP °F		
CB7CU-1 316 ALY 20	17-4PH COCR-A ALY 20	316 316 ALY 20	316 316 ALY 20	316 316 ALY 20	-150+300 -325+300 -325+300	-150+800 -325+500 -325+300	CF8M	-150+700 (LUBR)		
HAST C MONEL CB7CU-1	HAST C K-MONEL 17-4PH	HAST C K-MONEL 416	HAST C K-MONEL 416	HAST C K-MONEL 316	-325+400 -325+600 -20+800	-325+400 -325+600 -20+800			CF8M	-20+670
HARD FACED SEAT RING HARD FACED SEAT PLUG										
CB7CU-1 316	17-4PH COCR-A	316 316	316 316	316 316	-150+300 -325+300	-150+800 -325+500	CF8M	-150+700 (LUBR)		
HARD FACED SEAT RING HARD FACED SEAT & GUIDE PLUG										
CB7CU-1 316	17-4PH COCR-A	316 316	316 316	316 316	-150+800 -325+500	-150+800 -325+500	CF8M	-150+700		
HARD FACED SEAT RING HARD FACED SEAT & GUIDE PLUG SPECIAL TACK WELDED SEAT RING RETAINER/BUSHING ASSEMBLY										
316	COCR-A	316	316	316	-325+1100	-325+1100	WCC	-20+800		
HARD FACED SEAT & BORE RING HARD FACED SEAT GUIDE & CONTOUR PLUG										
316	COCR-A	316	316	316	-325+500	-325+500				

ITEM B - SEAT RING RETAINER, BUSHING

ITEM C - SEAT RING

ITEM D - VALVE PLUG

ITEM G - STEM

METAL SEAT – ALL EXCEPT MICRO-FLOW & MICRO-FLUTE

RETAINER	BUSHING	SEAT RING	VALVE PLUG	SEAT LOAD NOT CONSIDERED MAX PRESS DROP PSI/100° F (CANNOT EXCEED C.W.P.)	
				SHUT OFF	FLOWING
CB7CU-1	17-4PH	316	316	300	1500
		416	416	1500	1500
		316SST/HF SEAT	316SST/HF SEAT/GUIDE	1500	1500
316	COCR-A	316	316	300	1500
		316SST/HF SEAT	316SST/HF SEAT/GUIDE	1500	1500
		316SST/HF SEAT/BORE	316SST/HF S/G/CONTOUT	1500	1500
ALY 20	ALY 20	ALY 20	ALY 20	300	1500
HAST C	HAST C	HAST C	HAST C	300	1500
MONEL	K-MONEL	K-MONEL	K-MONEL	800	1500

COMPOSITION SEAT - TFE DISC
MICRO-FLUTE

SEAT RING RETAINER	SEAT RING	VALVE PLUG	STEM	NON LUBR FLUID	LUBR FLUID	SEAT LOAD NOT CONSIDERED MAX PRESS DROP PSI/100° F (CANNOT EXCEED C.W.P.)	
				TEMP °F	TEMP °F	SHUT OFF	FLOWING
CB7CU-1	316	316	316	-100+300	-100+300	1000	1500
316	316	316	316	-100+300	-100+300	1000	1500
ALY 20	ALY 20	ALY 20	ALY 20	-100+300	-100+300	1000	1500
HAST C	HAST C	HAST C	HAST C	-100+300	-100+300	1000	1500
MONEL	K-MONEL	K-MONEL	K-MONEL	-100+400	-100+400	1000	1500

MICRO-FORM

SEAT RING RETAINER	BUSHING	SEAT RING	VALVE PLUG	STEM	NON-LUBR FLUID	LUBR FLUID	SEAT LOAD NOT CONSIDERED MAX PRESS DROP PSI/100° F (CANNOT EXCEED C.W.P.)	
					TEMP °F	TEMP °F	SHUT OFF	FLOWING
CB7CU-1	17-4PH	316	316	316	-100+300	-100+400	1500	500
316	COCR-A	316	316	316	-100+300	-100+400	1500	500
ALY 20	ALY 20	ALY 20	ALY 20	ALY 20	-100+300	-100+300	1500	500
HAST C	HAST C	HAST C	HAST C	HAST C	-100+400	-100+400	1500	500
MONEL	K-MONEL	K-MONEL	K-MONEL	K-MONEL	-100+400	-100+400	1500	500
CB7CU-1	17-4PH	416	416	416	-20+400	-20+400	1500	500

**ITEM B - SEAT RING RETAINER, BUSHING****ITEM C - SEAT RING****ITEM D - VALVE PLUG**

METAL SEAT –

MICRO FLOW VALVE PLUG, 3/16 INCH PORT, 3/4 INCH TRAVEL

SEAT RING RETAINER	SEAT RING	VALVE PLUG	STEM		1L3750, 1L5001 VSC							
					.022 Cv		.036 Cv		.075 Cv		.181 Cv	
MATERIAL				B	C	D	C	D	C	D	C	D
ALY 20	ALY 20	ALY 20	ALY 20	3	N	-	N	-	2	3	2	201
HAST C	HAST C	HAST C	HAST C	4	N	-	N	-	3	4	3	202
MONEL M35-1	K-MONEL	K-MONEL	K-MONEL	5	N	206	N	210	4	5	4	203
CB7CU-1 H1150	416 SST	416 SST	316 SST	1	N	207	N	211	40	149	40	204

HARD FACED SEAT & BORE RING

HARD FACED SEAT & GUIDE PLUG

CB7CU-1 H1150	316 SST	316 SST	316 SST	1	N	208	N	212	5	2	5	200	
316 SST	316 SST	316 SST	316 SST	2	N	208	N	212	5	2	5	200	

HARD FACED SEAT RING

HARD FACED SEAT & GUIDE PLUG

CB7CU-1 H1150	316 SST	316 SST	316 SST	1	N	-	N	-	22	2	22	200	
316 SST	316 SST	316 SST	316 SST	2	N	-	N	-	22	2	22	200	

HARD FACED SEAT & GUIDE PLUG

CB7CU-1 H1150	316 SST	316 SST	316 SST	1	N	205	N	209	1	2	1	200	
316 SST	316 SST	316 SST	316 SST	2	N	205	N	209	1	2	1	200	

MICRO FLUTE VALVE PLUG, 3/4" TRAVEL

MICROFLUTE VALVEPLUG, 3/4" FLUTE					1L3750 OR 1L5001 VSC					
SEAT RING RETAINER	SEAT RING	VALVE PLUG	STEM		1/4" PORT	1- FLUTE	1/4" PORT	2- FLUTE	1/4" PORT	3- FLUTE
MATERIAL				B	C	D	C	D	C	D
ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	3	7	8	7	13	7	154
HAST C	HAST C	HAST C	HAST C	4	8	9	8	14	8	155
MONEL M35-1	K-MONEL	K-MONEL	K-MONEL	5	9	10	9	15	9	156
CB7CU-1 H1150	416 SST	416 SST	316 SST	1	23	150	23	151	23	157
CB7CU-1 H1150	316 SST	ALLOY 6	316 SST	1	6	219	6	220	6	221
316 SST	316 SST	ALLOY 6	316 SST	2	6	219	6	220	6	221

HARD FACED SEAT & BORE RING

HARD FACED SEAT & GUIDE PLUG

CB7CU-1 H1150	316 SST	316 SST	316 SST	1	11	7	11	12	11	153	
316 SST	316 SST	316 SST	316 SST	2	11	7	11	12	11	153	

HARD FACED SEAT & BORE RING

CB7CU-1 H1150	316 SST	ALLOY 6	316 SST	1	11	219	11	220	11	221	
316 SST	316 SST	ALLOY 6	316 SST	2	11	219	11	220	11	221	

HARD FACED SEAT RING

HARD FACED SEAT & GUIDE PLUG

CB7CU-1 H1150	316 SST	316 SST	316 SST	1	10	7	10	12	10	153	
316 SST	316 SST	316 SST	316 SST	2	10	7	10	12	10	153	

HARD FACED SEAT RING

CB7CU-1 H1150	316 SST	ALLOY 6	316 SST	1	10	219	10	220	10	221	
316 SST	316 SST	ALLOY 6	316 SST	2	10	219	10	220	10	221	

HARD FACED SEAT & GUIDE PLUG

CB7CU-1 H1150	316 SST	316 SST	316 SST	1	6	7	6	12	6	153	
316 SST	316 SST	316 SST	316 SST	2	6	7	6	12	6	153	

**ITEM B - SEAT RING RETAINER, BUSHING (CONT)****ITEM C - SEAT RING (CONT)****ITEM D - VALVE PLUG (CONT)**

METAL SEAT

MICRO FORM VALVE PLUG - 3/4" TRAVEL

SEAT RING RETAINER	BUSHING	SEAT RING	VALVE PLUG	STEM		1/4" PORT				3/8" PORT			
						1L3750		1L5000		1L3750		1L5000	
						VSC		VSC		VSC		VSC	
MATERIAL					B	C	D	C	D	C	D	C	D
CB7CU-1 H1150	17-4PH H900	316 SST	316 SST	316 SST	6	6	16	6	28	41	158	41	166
316 SST	COCR-A	316 SST	316 SST	316 SST	8	6	16	6	28	41	158	41	166
ALY 20	ALY 20	ALY 20	ALY 20	ALY 20	9	7	19	7	29	42	161	42	169
HAST C	HAST C	HAST C	HAST C	HAST C	10	8	20	8	30	43	162	43	170
MONEL M-35W	K-MONEL	K-MONEL	K-MONEL	K-MONEL	11	9	21	9	31	44	163	44	171
CB7CU-1 H1150	17-4PH H900	416 SST	416 SST	316 SST	6	23	74	23	77	47	164	47	172
HARD FACED SEAT RING & SEAT PLUG													
CB7CU-1 H1150	17-4PH H900	316 SST	316 SST	316 SST	6	10	17	M	M	45	159	45	167
316 SST	COCR-A	316 SST	316 SST	316 SST	8	10	17	M	M	45	159	45	167
HARD FACED SEAT RING & SEAT & GUIDE PLUG													
CB7CU-1 H1150	17-4PH H900	316 SST	316 SST	316 SST	6	10	18	M	M	45	160	45	168
316 SST	COCR-A	316 SST	316 SST	316 SST	8	10	18	M	M	45	160	45	168
HARD FACED SEAT RING & SEAT & GUIDE PLUG													
SPECIAL TACK WELDED SEAT RING RETAINER/BUSHING ASSEMBLY													
316 SST	COCR-A	316 SST	316 SST	316 SST	12	10	18	M	M	45	160	45	168
HARD FACED SEAT & BORE RING & SEAT, GUIDE & CONTOUR PLUG													
316 SST	COCR-A	316 SST	316 SST	316 SST	8	11	18	M	M	46	165	46	173

SEAT RING RETAINER	BUSHING	SEAT RING	VALVE PLUG	STEM		1/2" PORT				3/4" PORT			
						1L3750 VSC		1L5000 VSC		1L3750 VSC		1L5000 VSC	
						C	D	C	D	C	D	C	D
MATERIAL						B							
CB7CU-1 H1150	17-4PH H900	316 SST	316 SST	316 SST	6	12	22	12	32	28	90	28	97
316 SST	COCR-A	316 SST	316 SST	316 SST	8	12	22	12	32	28	90	28	97
ALY 20	ALY 20	ALY 20	ALY 20	ALY 20	9	13	25	13	35	29	93	29	100
HAST C	HAST C	HAST C	HAST C	HAST C	10	14	26	14	36	30	94	30	101
MONEL M-35W	K-MONEL	K-MONEL	K-MONEL	K-MONEL	11	15	27	15	37	31	95	31	102
CB7CU-1 H1150	17-4PH H900	416 SST	416 SST	316 SST	6	24	75	24	78	34	96	34	103
HARD FACED SEAT RING & SEAT PLUG													
CB7CU-1 H1150	17-4PH H900	316 SST	316 SST	316 SST	6	16	23	16	33	32	91	32	98
316 SST	COCR-A	316 SST	316 SST	316 SST	8	16	23	16	33	32	91	32	98
HARD FACED SEAT RING & SEAT & GUIDE PLUG													
CB7CU-1 H1150	17-4PH H900	316 SST	316 SST	316 SST	6	16	24	16	34	32	92	32	99
316 SST	COCR-A	316 SST	316 SST	316 SST	8	16	24	16	34	32	92	32	99
HARD FACED SEAT RING & SEAT & GUIDE PLUG													
SPECIAL TACK WELDED SEAT RING RETAINER/BUSHING ASSEMBLY													
316 SST	COCR-A	316 SST	316 SST	316 SST	12	16	24	16	34	32	92	32	99
HARD FACED SEAT & BORE RING & SEAT, GUIDE & CONTOUR PLUG													
316 SST	COCR-A	316 SST	316 SST	316 SST	8	26	76	26	79	33	105	33	104

**ITEM B - SEAT RING RETAINER, BUSHING (CONT)****ITEM C - SEAT RING (CONT)****ITEM D - VALVE PLUG (CONT)**

METAL SEAT (CONT)

FULL CAPACITY VALVE PLUG - 3/4" TRAVEL - 1/2", 3/4" & 1"

SEAT RING RETAINER	BUSHING	SEAT RING	VALVE PLUG	STEM	VSC		QUICK OPEN	
					B	C	1L3750	1L5000
							D	D
316 SST	COCR-A	316 SST	316 SST	316 SST	8	17	38	56
		316 SST/HF SEAT	316 SST/HF SEAT	316 SST	8	21	39	57
		316 SST/HF SEAT	316 SST/HF SEAT/GUIDE	316 SST	8	21	40	58
		316 SST/HF S & B	316 SST/HSEAT/GUIDE/CONTOUR	316 SST	8	27	--	--
SPCL 316 SST SEAT RING RTNR/COCR-A BUSHING TACK WELDED		316 SST/HF SEAT	316 SST/HF SEAT/GUIDE	316 SST	12	21	40	58
CB7CU-1 H1150	17-4 H900	316 SST	316 SST	316 SST	6	17	38	56
		416 SST	416 SST	316 SST	6	25	80	85
		316 SST/HF SEAT	316 SST/HF SEAT	316 SST	6	21	39	57
		316 SST/HF SEAT	316 SST/HF SEAT/GUIDE	316 SST	6	21	40	58
ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	9	18	41	59
HAST C	HAST C	HAST C	HAST C	HAST C	10	19	42	60
MONEL M-35W	K-MONEL	K-MONEL	K-MONEL	K-MONEL	11	20	43	61

BODY SIZE 1 INCH ONLY

SEAT RING RETAINER	BUSHING	SEAT RING	VALVE PLUG	STEM	VSC		LINEAR		EQUAL PERCENT	
					B	C	1L3750 D	1L5000 D	1L3750 D	1L5000 D
CB7CU-1 H1150	17-4 H900	316SST	316SST	316SST	6	17	44	62	50	68
316 SST	COCR-A	316SST	316SST	316SST	8	17	44	62	50	68
ALY 20	ALY 20	ALY 20	ALY 20	ALY 20	9	18	47	65	53	71
HAST C	HAST C	HAST C	HAST C	HAST C	10	19	48	66	54	72
MONEL M-35W	K-MONEL	KMONEL	KMONEL	KMONEL	11	20	49	67	55	73
CB7CU-1 H1150	17-4 H900	416SST	416SST	316SST	6	25	81	86	82	87
HARD FACED SEAT RING										
HARD FACED SEAT PLUG										
CB7CU-1 H1150	17-4 H900	316SST	316SST	316SST	6	21	45	63	51	69
316 SST	COCR-A	316SST	316SST	316SST	8	21	45	63	51	69
HARD FACED SEAT RING										
HARD FACED SEAT & GUIDE PLUG										
CB7CU-1 H1150	17-4 H900	316SST	316SST	316SST	6	21	46	64	52	70
316 SST	COCR-A	316SST	316SST	316SST	8	21	46	64	52	70
HARD FACED SEAT RING & SEAT & GUIDE PLUG										
SPECIAL TACK WELDED SEAT RING RETAINER/BUSHING ASSEMBLY										
316 SST	COCR-A	316 SST	316 SST	316 SST	12	21	46	64	52	70
HARD FACED SEAT & BORE RING										
HARD FACED SEAT, GUIDE & CONTOUR PLUG										
316 SST	COCR-A	316SST	316SST	316SST	8	27	83	88	84	89

**ITEM B - SEAT RING RETAINER, BUSHING (CONT)****ITEM C - SEAT RING (CONT)****ITEM D - VALVE PLUG (CONT)**

COMPOSITON SEAT

M-FLOW, 3/16" PORT, 3/4" TRAVEL, 1L3750 VSC

					0.075 CV		0.181 CV	
SEAT RING RET	SEAT RING	PLUG	STEM	B	C	D	C	D
ALLOY 6 PLUG TIP								
CB7CU-1 H1150	316 SST	316 SST	316 SST	1	53	213	53	214
316 SST	316 SST	316 SST	316 SST	2	53	213	53	214

M-FLUTE, TFE DISC, 1/4" PORT, 3/4" TRAVEL, 1L3750 OR 1L5001 VSC

SEAT RING RET	SEAT RING	PLUG	STEM	B	1 FLUTE		2 FLUTE		3 FLUTE	
					C	D	C	D	C	D
ALY 20	ALY 20	ALY 20	ALY 20	3	36	107	36	111	36	175
HAST C	HAST C	HAST C	HAST C	4	37	108	37	112	37	176
MONEL M-35W	K-MONEL	K-MONEL	K-MONEL	5	38	109	38	113	38	177
ALLOY 6 PLUG TIP										
CB7CU-1 H1150	316 SST	316 SST	316 SST	1	35	188	35	189	35	190
316 SST	316 SST	316 SST	316 SST	2	35	188	35	189	35	190

M-FORM, TFE DISC, 3/4" TRAVEL, 1L3750 OR 1L5001 VSC

SEAT RING RETAINER	BUSHING	SEAT RING	VALVE PLUG	STEM		1/4” PORT		3/8” PORT		1/2” PORT		3/4” PORT	
MATERIAL						B	C	D	C	D	C	D	C
CB7CU-1 H1150	17-4 H900	316 SST	316 SST	316 SST	6	35	114	48	178	12	119	28	124
316 SST	COCR-A	316 SST	316 SST	316 SST	8	35	114	48	178	12	119	28	124
ALY 20	ALY 20	ALY 20	ALY 20	ALY 20	9	36	115	49	179	13	120	29	125
HAST C	HAST C	HAST C	HAST C	HAST C	10	37	116	50	180	14	121	30	126
MONEL M-35W	K-MONEL	K-MONEL	K-MONEL	K-MONEL	11	38	117	51	181	15	122	31	127
CB7CU-1 H1150	17-4 H900	416 SST	416 SST	316 SST	6	39	118	52	182	24	123	34	128
1L5000													
CB7CU-1 H1150	17-4 H900	316 SST	316 SST	316 SST	6	--	---	48	183	12	134	28	139
316 SST	COCR-A	316 SST	316 SST	316 SST	8	--	---	48	183	12	134	28	139
ALY 20	ALY 20	ALY 20	ALY 20	ALY 20	9	--	---	49	184	13	135	29	140
HAST C	HAST C	HAST C	HAST C	HAST C	10	--	---	50	185	14	136	30	141
MONEL M-35W	K-MONEL	K-MONEL	K-MONEL	K-MONEL	11	--	---	51	186	15	137	31	142
CB7CU-1 H1150	17-4 H900	416 SST	416 SST	316 SST	6	--	---	52	187	24	138	34	143

**ITEM B - SEAT RING RETAINER, BUSHING (CONT)****ITEM C - SEAT RING (CONT)****ITEM D - VALVE PLUG (CONT)**

COMPOSITION SEAT (CONT)

EQUAL PERCENTAGE CHARACTERISTIC (MICRO FORM TIP)

TFE DISC 3/4" TRAVEL

SEAT RING RETAINER	BUSHING	SEAT RING	VALVE PLUG	STEM		1" PORT				
						1L3750 VSC		1L5000 VSC		
MATERIAL						B	C	D	C	D
CB7CU-1 H1150	17-4 H900	316 SST	316 SST	316 SST	6	17	129	17	144	
316 SST	COCR-A	316 SST	316 SST	316 SST	8	17	129	17	144	
ALY 20	ALY 20	ALY 20	ALY 20	ALY 20	9	18	130	18	145	
HAST C	HAST C	HAST C	HAST C	HAST C	10	19	131	19	146	
MONEL M-35W	K-MONEL	K-MONEL	K-MONEL	K-MONEL	11	20	132	20	147	
CB7CU-1 H1150	17-4 H900	416 SST	416 SST	316 SST	6	25	133	25	148	

HARD FACED PLUG GUIDE

316 SST	COCR-A	316 SST	316/ COCR-A	316 SST	8	17	198	17	199	
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COMPOSITION SEAT – NACE - MICRO FLUTE VALVE PLUGS

TFE DISC 3/4" TRAVEL - 1L3750 OR 1L5001 VSC

SEAT RING RETAINER	RING	SEAT PLUG	VALVE STEM		1/4" PORT	1 FLUTE	1/4" PORT	2 FLUTE	1/4" PORT	3 FLUTE	
MATERIAL					B	C	D	C	D	C	D
HARD FACED PLUG GUIDE											
316 SST	316 SST	316/ COCR-A	316 SST	2	35	188	35	189	35	190	

MICRO FORM VALVE PLUGS - TFE DISC 3/4" TRAVEL - 1L3750 OR 1L5001 VSC

SEAT RING RETAINER	BUSHING	SEAT RING	VALVE PLUG	STEM		1/4" PORT		3/8" PORT		1/2" PORT		3/4" PORT	
MATERIAL					B	C	D	C	D	C	D	C	D
316 SST	COCR-A	316 SST	316 SST	316 SST	8	35	114	48	178	12	119	28	124
HARD FACED PLUG GUIDE													
316 SST	COCR-A	316 SST	316/ COCR-A	316 SST	8	35	191	48	194	12	192	28	193
1L5000 VSC													
316 SST	COCR-A	316 SST	316 SST	316 SST	8	--	---	48	183	12	134	28	139
HARD FACED PLUG GUIDE													
316 SST	COCR-A	316 SST	316/ COCR-A	316 SST	8	--	---	48	196	12	195	28	197

**ITEM B - SEAT RING RETAINER, BUSHING (CONT)****ITEM C - SEAT RING (CONT)****ITEM D - VALVE PLUG (CONT)**

COMPOSITION SEAT (CONT)

LINEAR CHARACTERISTIC (MICRO FORM TIP) - TFE DISC 3/4" TRAVEL

SEAT RING RETAINER	BUSHING	SEAT RING	VALVE PLUG	STEM		1" PORT				
						1L3750 VSC		1L5000 VSC		
MATERIAL						B	C	D	C	D
CB7CU-1 H1150	17-4 H900	316 SST	316 SST	316 SST	6	17	215	17	216	

QUICK OPENING CHARACTERISTIC (MICRO FORM TIP) - TFE DISC 3/4" TRAVEL

						1" PORT				
SEAT RING RETAINER	BUSHING	SEAT RING	VALVE PLUG	STEM		1L3750 VSC		1L5000 VSC		
MATERIAL						B	C	D	C	D
CB7CU-1 H1150	17-4 H900	316 SST	316 SST	316 SST	6	17	217	17	218	

METAL SEAT (CONT)

MICRO FORM VALVE PLUG - VANED SEAT RING - 3/4" TRAVEL

1" VALVE ONLY

						3/4" PORT			
SEAT RING RETAINER	BUSHING	SEAT RING	VALVE PLUG	STEM		1L3750 VSC		1L5000 VSC	
MATERIAL					B	C	D	C	D
CB7CU-1 H1150	17-4PH H900	316 SST	316 SST	316 SST	6	60	90	60	97
316 SST	COCR-A	316 SST	316 SST	316 SST	8	60	90	60	97
CB7CU-1 H1150	17-4PH H900	416 SST	416 SST	316 SST	6	61	96	61	103
HARD FACED SEAT RING									
HARD FACED SEAT PLUG									
CB7CU-1 H1150	17-4PH H900	316 SST	316 SST	316 SST	6	62	91	62	98
316 SST	COCR-A	316 SST	316 SST	316 SST	8	62	91	62	98
HARD FACED SEAT RING									
HARD FACED SEAT & GUIDE PLUG									
CB7CU-1 H1150	17-4PH H900	316 SST	316 SST	316 SST	6	62	92	62	99
316 SST	COCR-A	316 SST	316 SST	316 SST	8	62	92	62	99
HARD FACED SEAT RING & SEAT & GUIDE PLUG									
SPECIAL TACK WELDED SEAT RING RETAINER/BUSHING ASSEMBLY									
316 SST	COCR-A	316 SST	316 SST	316 SST	12	62	92	62	99

**ITEM B - SEAT RING RETAINER, BUSHING (CONT)****ITEM C - SEAT RING, VANED - AVAILABLE IN 1" BODY ONLY****ITEM D - VALVE PLUG (CONT)**

METAL SEAT (CONT)

FULL CAPACITY VALVE PLUG - 3/4" TRAVEL - 1" VALVE ONLY - VANED SEAT RING

SEAT RING RETAINER							QUICK OPEN											
									1L3750 VSC	1L5000 VSC								
BUSHING							SEAT RING	VALVE PLUG	STEM			D	D					
MATERIAL							B	C										
CB7CU-1 H1150							17-4 H900	316 SST	316 SST	316 SST	6	63	38	56				
316 SST							COCR-A	316 SST	316 SST	316 SST	8	63	38	56				
CB7CU-1 H1150							17-4 H900	416 SST	416 SST	316 SST	6	64	80	85				
HARD FACED SEAT RING																		
HARD FACED SEAT PLUG																		
CB7CU-1 H1150							17-4 H900	316 SST	316 SST	316 SST	6	65	39	57				
316 SST							COCR-A	316 SST	316 SST	316 SST	8	65	39	57				
HARD FACED SEAT RING																		
HARD FACED SEAT & GUIDE PLUG																		
CB7CU-1 H1150							17-4 H900	316 SST	316 SST	316 SST	6	65	40	58				
316 SST							COCR-A	316 SST	316 SST	316 SST	8	65	40	58				
HARD FACED SEAT RING & SEAT & GUIDE PLUG																		
SPECIAL TACK WELDED SEAT RING RETAINER/BUSHING ASSEMBLY																		
316 SST							COCR-A	316 SST	316 SST	316 SST	12	65	40	58				
1" VALVE ONLY																		
SEAT RING RETAINER							BUSHING		SEAT RING		VALVE PLUG		STEM		LINEAR		EQ %	
															1L3750 VSC	1L5000 VSC	1L3750 VSC	1L5000 VSC
MATERIAL							B	C			D	D	D	D				
CB7CU-1 H1150							17-4 H900	316SST	316SST	316SST	6	63	44	62	50	68		
316 SST							COCR-A	316SST	316SST	316SST	8	63	44	62	50	68		
CB7CU-1 H1150							17-4 H900	416SST	416SST	316SST	6	64	81	86	82	87		
HARD FACED SEAT RING																		
HARD FACED SEAT PLUG																		
CB7CU-1 H1150							17-4 H900	316SST	316SST	316SST	6	65	45	63	51	69		
316 SST							COCR-A	316SST	316SST	316SST	8	65	45	63	51	69		
HARD FACED SEAT RING																		
HARD FACED SEAT & GUIDE PLUG																		
CB7CU-1 H1150							17-4 H900	316SST	316SST	316SST	6	65	46	64	52	70		
316 SST							COCR-A	316SST	316SST	316SST	8	65	46	64	52	70		
HARD FACED SEAT RING & SEAT & GUIDE PLUG																		
SPECIAL TACK WELDED SEAT RING RETAINER/BUSHING ASSEMBLY																		
316 SST							COCR-A	316 SST	316 SST	316 SST	12	65	46	64	52	70		

**ITEM B - SEAT RING RETAINER, BUSHING (CONT)****ITEM C - SEAT RING, VANED (CONT) - AVAILABLE IN 1" BODY ONLY****ITEM D - VALVE PLUG (CONT)**

COMPOSITION SEAT –

M-FORM, TFE DISC, 3/4" TRAVEL, 1L3750 OR 1L5001 VSC - VANED SEAT RING

1" VALVE ONLY

SEAT RING RETAINER	BUSHING	SEAT RING	VALVE PLUG	STEM		3/4"PORT	
MATERIAL					B	C	D
CB7CU-1 H1150	17-4 H900	316 SST	316 SST	316 SST	6	60	124
		416 SST	416 SST	316 SST	6	61	128
316 SST	COCR-A	316 SST	316 SST	316 SST	8	60	124
			316SST/HF GUIDE	316 SST	8	60	193
1L5000							
CB7CU-1 H1150	17-4 H900	316 SST	316 SST	316 SST	6	60	139
		416 SST	416 SST	316 SST	6	61	143
316 SST	COCR-A	316 SST	316 SST	316 SST	8	60	139
			316SST/HF GUIDE	316 SST	8	60	197

EQUAL PERCENTAGE CHARACTERISTIC (MICRO FORM TIP)

TFE DISC 3/4" TRAVEL - VANED SEAT RING - 1" VALVE ONLY

RETAINER	BUSHING	SEAT RING	VALVE PLUG	STEM	B	C	1" PORT	
							VSC	D
CB7CU-1 H1150	17-4 H900	316 SST	316 SST	316 SST	6	63	129	144
		416 SST	416 SST	316 SST	6	64	133	148
316 SST	COCR-A	316 SST	316 SST	316 SST	8	63	129	144
			316SST/HF GUIDE	316 SST	8	63	198	199

ITEM E - GASKET

			MAX PRESS DROP PSI/100° F, SHUT OFF (CANNOT EXCEED C.W.P. (SEAT LOAD NOT CONSIDERED))				
			PORT SIZE				
SPIRAL WOUND	FLAT SHEET	TEMP ° F	3/16 & 1/4	1/2	3/4	1	E
HAST C & GRAPH	GRAPH/SST	-100+1100	980	1000	1050	1110	9
MONEL & GRAPH	GRAPH/SST	-100+900	980	1000	1050	1110	10
MONEL & PTFE	MONEL/PTFE	-100+300	1370	1420	1510	1660	6
INCONEL & GRAPH	GRAPH/SST	-325+1100	1370	1420	1510	1660	8



ITEM F – BOLTING

BOLTING	NUT	TEMP ° F	BODY	TEMP ° F	CWP (PSI)	HYDRO (PSI/MIN)
SAE GRADE 5	-	-20+650			SAME AS BODY	SAME AS BODY
B7	2H	-50+800			SAME AS BODY	SAME AS BODY
B8	GRADE 8	-425+100			695	1050/1
B7M	2HM	-50+800			850	1275/1
B8M CLASS 2	8M	-325+800	HAST C	-325+225	1110	1675/1
			MONEL	-325+450	1110	1675/1

BODY	TEMP ° F	BOLT	NUT	PLAIN, EXT, & ENVIRO-SEAL BELLOWS SEAL	BELLOWS SEAL
				F	F
CAST IRON	-20+450	SAE GRADE 5	-	1	M
WCC	-20+450	B7	2H	2	9
		B7M	2HM	5	-
	-20+800	B7	2H LUB	6	12
		B7M	2HM LUB	8	-
LCC	-50+450	B7	2H	2	9
		B7M	2HM	5	-
	-50+650	B7	2H LUB	6	12
		B7M	2HM LUB	8	-
LCC	-50+450	B7	2H	2	9
	-50+650	B7	2H LUB	6	12
CF8M	-325+100	B8	GR 8	4	11
	-325+450	B8M CLASS 2	8M	3	10
	-50+450	B7	2H	2	9
		B7M	2HM	5	-
	450+800	B7	2H LUB	6	12
		B7M	2HM LUB	8	-
ALLOY 20	-325+400	B8M CLASS 2	8M LUB	7	13
	-20+450	B7	2H	3	10
		B7M	2HM	2	9
	-20+800	B7	2H LUB	5	-
		B7M	2HM LUB	6	12
				8	-
HAST C	-325+225	B8M CLASS 2	8M LUB	7	13
	-20+450	B7	2H	2	9
		B7M	2HM	5	-
	-20+800	B7	2H LUB	6	12
		B7M	2HM LUB	8	-
MONEL	-325+450	B8M CLASS 2	8M	3	10
	-20+450	B7	2H	2	9
		B7M	2HM	5	-
	-20+800	B7	2H LUB	6	12
CD3MN	-20+450	B7M	2HM LUB	8	-
		B7	2H LUB	6	-

**ITEM G - STEM****ITEM 9D - NAMEPLATE DATA FOR ENVIRO-SEAL BELLOW SEAL BONNET**

ACTUATR	BONNET STYLE	STEM VSC	STEM	G	9D
GROUP 1	PLAIN	1L3750	316SST	1	N
			ALY 20	2	N
			HAST C	3	N
			K-MONEL	4	N
			NIT 50	42	N
		1L5000	316SST	5	N
			ALY 20	6	N
			HAST C	7	N
			K-MONEL	8	N
			NIT 50	43	N
		1L5001	316SST	9	N
			ALY 20	10	N
			HAST C	11	N
			K-MONEL	12	N
			NIT 50	44	N
	EXT STYLE 1	1L3750	316SST	25	N
		1L5000	316SST	27	N
		1L5001	316SST	29	N
	EXT STYLE 2	1L3750	316SST	26	N
		1L5000	316SST	28	N
		1L5001	316SST	30	N
	BELLOWS SEAL	1L3750	316SST	37	N
		1L5000	316SST	38	N
	ENVIRO-SEAL BELLOWS SEAL	ALL	316LSST	N	1
			HAST C	N	2
607-617	PLAIN	1L3750	316SST	13	N
			ALY 20	14	N
			HAST C	15	N
			K-MONEL	16	N
		1L5000	316SST	17	N
			ALY 20	18	N
			HAST C	19	N
			K-MONEL	20	N
		1L5001	316SST	21	N
			ALY 20	22	N
			HAST C	23	N
			K-MONEL	24	N
	EXT STYLE 1	1L3750	316SST	31	N
		1L5000	316SST	33	N
		1L5001	316SST	35	N
	EXT STYLE 2	1L3750	316SST	32	N
		1L5000	316SST	34	N
		1L5001	316SST	36	N
	ENVIRO-SEAL BELLOWS SEAL	ALL	316LSST	N	1
			HAST C	N	2

**ITEM J - NAMEPLATE**

	J
FISHER	1
PICK HEATERS	2

ITEM K - FLOW ARROW

K
1

ITEM 9B - CLASS/HYDRO

STYLE	BODY	CLASS	HYDRO PSI/MIN	9B
ANSI	CAST IRON	125B	300/1	1
		250B	750/1	2
	WCC, C5, LCC, & CF8M	150	450/1	3
		300	1125/1	4
		600	2250/1	5
	ALLOY 20	150	350/1	6
		300	900/1	7
		600	1800/1	8
	MONEL	150	350/1	9
		300	900/1	10
		600	1800/1	11
	HAST C	150	450/1	12
		300	1125/1	13
		600	2250/1	14
EN	CAST IRON	PN 10/16	350 PSI (24 BAR)/1 MIN	16
	WCC, CF8M & LCC	PN 10/16/25/40	875 PSI (60 BAR)/1 MIN	17
		PN 63/100	2175 PSI (150 BAR)/1 MIN	18



ITEM 9C - SEAT LEAK TEST PER FGS 4L5

CHARACTERISTIC		PORT	TRAVEL	SEAT	SEAT LEAK CLASS	BODY SIZE	LEAK VALUE	9C
QUICK OPENING		1	3/4	METAL	CLASS IV (SCFH)	1/2	1.08	1
						3/4	2.20	2
						1	3.07	3
EQUAL PERCENT		1	3/4	METAL	CLASS IV (SCFH)	1	3.21	4
				COMP	CLASS VI (BUBBLES/MIN)	1	1	14
LINEAR		1	3/4	METAL	CLASS IV (SCFH)	1	3.21	4
M-FORM		1/4	3/4	METAL	CLASS IV (SCFH)	1/2, 3/4 & 1	0.313	5
				COMP	CLASS VI (BUBBLES/MIN)	1	1	14
		3/8	3/4	METAL	CLASS IV (SCFH)	1/2	0.560	6
						3/4	0.705	7
						1	0.672	8
				COMP	CLASS VI (BUBBLES/MIN)	1	1	14
		1/2	3/4	METAL	CLASS IV (SCFH)	1/2	1.03	9
						3/4	1.13	10
						1	1.15	11
				COMP	CLASS VI (BUBBLES/MIN)	1	1	14
		3/4	3/4	METAL	CLASS IV (SCFH)	3/4	2.08	12
						1	2.36	13
						COMP	CLASS VI (BUBBLES/MIN)	1
M-FLUTE	1 FLUTE	1/4	3/4	METAL	CLASS IV (SCFH)	1	0.060	15
				COMP	CLASS VI (BUBBLES/MIN)	1	1	14
	2 FLUTE	1/4	3/4	METAL	CLASS IV (SCFH)	1	0.118	16
	3 FLUTE	1/4	3/4	METAL	CLASS IV (SCFH)	1	0.181	17
M-FLOW	0.022 Cv	3/16	3/4	METAL	CLASS IV (SCFH)	1	0.005	19
				COMP	CLASS VI (BUBBLES/MIN)	1	1	14
	0.036 Cv	3/16	3/4	METAL	CLASS IV (SCFH)	1	0.008	20
				COMP	CLASS VI (BUBBLES/MIN)	1	1	14
	0.075 Cv	3/16	3/4	METAL	CLASS IV (SCFH)	1	0.019	18
				COMP	CLASS VI (BUBBLES/MIN)	1	1	14
	0.181 Cv	3/16	3/4	METAL	CLASS IV (SCFH)	1	0.039	21
				COMP	CLASS VI (BUBBLES/MIN)	1	1	14
ALL		3/16	3/4	METAL	CLASS V AIR TEST(BUBBLES/MIN)	1	6	22
		1/4	3/4	METAL	CLASS V AIR TEST(BUBBLES/MIN)	1/2, 3/4 & 1	8	23
		3/8	3/4	METAL	CLASS V AIR TEST(BUBBLES/MIN)	1/2, 3/4 & 1	12	24
		1/2	3/4	METAL	CLASS V AIR TEST(BUBBLES/MIN)	1/2, 3/4 & 1	16	25
		3/4	3/4	METAL	CLASS V AIR TEST(BUBBLES/MIN)	3/4 & 1	24	26
		1	3/4	METAL	CLASS V AIR TEST(BUBBLES/MIN)	1/2, 3/4 & 1	32	27

**ITEM 9E – FLOW DIRECTION**

FLOW DIRECTION	9E
UP	1
DOWN	2

ITEM 9Z - PARTIAL ASSY (USE FOR NAMEPLATE PAD VALUES)

ASSEMBLY INCLUDED ITEMS	INDEX CODES	9Z
A, F, J, 9B	10004,10005,10006,10008	1

COMPOSITON SEAT ASSEMBLY DRAWING	46A1842
ASSEMBLY DRAWING	35A5717
GASKET ASSEMBLY DRAWING	16A1943

Revision Change Record Section for the present Revision

ECRN: 20181361

On page 4 and 5 , add Alloy6 plug trim combination to trim material table.

Matrix Section:

Item	Module	Changes
D	219	New-Create “solid Alloy 6 M-Flute 1F plug”.
D	220	New-Create “solid Alloy 6 M-Flute 2F plug”.
D	221	New-Create “solid Alloy 6 M-Flute 3F plug”.