



Fisher Controls Int. Inc.

Design E Series Bonnet

Size NPS 1-8, Class 125-2500, 3/4 Stem, 3 9/16 Yoke Boss

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EX3-A B C D E F G H J M N P 9A 9B 9C 9D

* NACE Service Acceptable

ITEM A - PACKING FLANGE SET - FLANGE, STUDS, NUTS & YOKE LOCKNUT**STD PACKING**

STL	316 SST W/STD SA105/NCF YOKE LKNT	316 SST W/316 SST YOKE LKNT	N10665	N10276	ALLOY 20	MONEL	SST FLG/ STL BOLTS	STL SEISMIC YOKE/ BORATED WATER SVCE 17-4 SST YOKE LOCKNUT	
								STL	316 SST
A	A	A	A	A	A	A	A	A	A
1	2	30	3	4	5	7	27	11	12

FLANGE MATERIAL		STL	SST
NACE CLASS	BOLTING	A	A
II	B7M/NCF2	13	29
III	B7	1	27
	B8M CLASS II	10	28

LIVE LOAD PACKING**STD, EXT AND BELLOWS SEAL BONNET**

PACKING		TRIM	SPRING	A
HIGH SEAL ULF	GRAPHITE ULF	316 SST	17-7PH	14
		316 SST	N07718	15
PACKING		TRIM	SPRING	A
TA-LUFT		316 SST	N07718	16
ISO-SEAL CLASS 125-600		316 SST	N07718	33
ISO-SEAL CLASS 900-1500		316 SST	N07718	34
ISO-SEAL CLASS 2500		316 SST	N07718	35



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ITEM A - PACKING FLANGE SET - FLG, STUDS, NUTS, YOKE LOCKNUT (CONT)

			316 SST W/STD SA105/NCF YOKE LKNT	316 SST W/316 SST YOKE LKNT	NACE B7M/NCF2 BOLTS 316 SST	N10276	MONEL	ALY 20
PACKING			A	A	A	A	A	A
ENVIRO- SEAL	GRAPH, SGL	ULF	16	31	17	18	19	20
		NUCLEAR	26	—	—	—	—	—
	PTFE, DBL	STANDARD	21	32	22	23	24	25
		CARBON BSHG	21	32	22	23	24	25
	DUPLEX-PTFE/GRAPH H2 DUPLEX		21 16	32 31	22 17	23 18	24 19	25 20
KALREZ	SINGLE		21	32	22	23	24	25

ITEM B - PACKING**ITEM C - PACKING PARTS-SPRING & WASHER OR SPACER, PACKING RING, FOLLOWER**

BULLETIN 59.1:062

PACKING BOX PARTS	TRIM	MAXIMUM PRESSURE		TEMPERATURE	
		PSIG	BAR	° F	° C
METAL	316 & 317 SST	N/A	N/A	-425+1100	-254+593
	316L SST	N/A	N/A	-425+850	-254+545
	321 SST	N/A	N/A	-325+1500	-198+816
	347 SST	N/A	N/A	-425+1500	-254+816
	304 & 304L SST	N/A	N/A	-425+800	-254+427
	N10665	N/A	N/A	-425+700	-254+371
	N10276	N/A	N/A	-425+1000	-254+538
	ALLOY 20	N/A	N/A	-425+1100	-254+593
	NICKEL	N/A	N/A	-325+600	-198+316
	MONEL	N/A	N/A	-400+900	-240+482
	N06600	N/A	N/A	-425+1200	-254+649
	S31803	N/A	N/A	-60+600	-51+316
	S32760	N/A	N/A	-60+600	-51+316
EZ BODY WITH ALLOY LANTERN RING, PTFE/GLASS PKG BOX RING, 316 FOLLOWER	ALL	740	51	-100+70	-73+21
		125	8.6	-100+300	-73+149



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ITEM B - PACKING

ITEM C - PACKING PARTS - SPRING & WASHER OR SPACER, PACKING RING, FOLLOWER

ITEM 9A - PACKING ARRANGEMENT

STANDARD PACKING

SINGLE PACKING ARRANGEMENT, PACKING BOX SIZE 13A0750

PACKING ARRANGEMENT	PTFE FMS 17D7		LOW CHLORIDE GRAPH RIBBON & FILAMENT		EZ-ALLOY TRIM W/O LUBRICATOR PTFE/COMP FMS17D26		NACE LOW CHLORIDE GRAPH RIBBON & FILAMENT	
	12A8170		13A9776		17A7394		13A9776	
TRIM	B	C	B	C	B	C	B	C
316 SST	1	2	15	34	-	-	15	34
316L SST	1	3	15	-	-	-	M	M
347 SST	1	6	15	-	-	-	M	M
304 SST	1	4	15	-	-	-	M	M
304L SST	1	16	15	-	-	-	M	M
N10276	1	9	15	-	20	50	M	M
ALLOY 20	1	10	15	-	20	51	M	M
MONEL	1	12	15	44	20	52	M	M
S31803	1	93	15	92	-	-	M	M
S32760	1	98	15	97	-	-	M	M

PACKING ARRANGEMENT	GRAPHITE COMPOSITE		GRAPHITE ULF	
	12B5794		19B4121	
TRIM	B	C	B	C
316 SST	21	88	37	86
MONEL	-	-	37	87

DOUBLE PACKING ARRANGEMENT (ALL METAL PACKING BOX PARTS)

PACKING BOX SIZE 13A0750

PACKING ARRANGEMENT	PTFE/GLASS PKG BOX RING,316 FOLLOWER NOTE: DESIGN EZ ALLOY TRIM - ALY LANTERN RING												
	ALL EXCEPT DESIGN EZ		DESIGN EZ					PTFE/ COMP FMS 17D26		GRAPH COMP FMS 17D28		LOW CHLORIDE GRAPH RIBBON & FILAMENT	
	PTFE FMS 17D7												
	12A8172				NO.1	NO.2	NO.3	12A8173		13A0110		14A1780	
TRIM MATL	B	C	B	C	9A	9A	9A	B	C	B	C	B	C
316 SST	10	18	10	18	1	2	3	6	18	5	18	16	18
347 SST	10	22	10	22	1	2	3	6	22	5	22	16	22
N10665	10	24	19	-	1	2	3	6	24	5	24	16	24
N10276	10	-	19	53	1	2	3	6	-	5	-	16	-
ALLOY 20	10	26	19	54	1	2	3	6	26	5	26	16	26
MONEL	10	28	19	55	1	2	3	6	28	5	28	16	28
N06600	10	29	19	-	1	2	3	6	29	5	29	16	29
S31803	10	91	19	-	1	2	3	6	91	5	91	16	91
S32760	10	96	19	-	1	2	3	6	96	5	96	16	96



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ITEM B - PACKING (CONT)

ITEM C - PACKING PARTS - SPRING & WASHER OR SPACER, PACKING RING, FOLLOWER (CONT)

ITEM 9A - PRODUCT DESCRIPTOR (PACKING ARRANGEMENT) (CONT)

PACKING ARRANGEMENT	NACE	
	PTFE/COMP FMS 17D26	
TRIM MATL	B	C
316 SST	6	18

LEAKOFF PACKING ARRANGEMENT, PACKING BOX SIZE 13A0751

PACKING	PTFE FMS 17D7				LOW CHLORIDE GRAPH RIBBON & FILAMENT	
	ARRANGEMENT		12A8178	NO 1	NO 4	14A3415
TRIM MATL	B	C	9A	9A	B	C
316 SST	17	34	4	5	18	34

LIVE LOAD PACKING

STD, EXT AND BELLOWS SEAL BONNET, PACKING BOX SIZE 13A0750,
HIGH SEAL & HIGH SEAL ULF PACKING

TRIM	PACKING	ARRANGEMENT	B	C
316 SST	GRAPHITE ULF	19B4121	37	81
	GRAPHITE COMPOSITE	12B5794	21	56

ENVIRO-SEAL PACKING

PACKING ARRANGEMENT	GRAPHITE ULF		NUCLEAR GRAPHITE		PTFE/ CARBON PTFE		PTFE/ GLASS PTFE	
	19B4121		12B5794		12B6928		12B6928	
TRIM	B	C	B	C	B	C	B	C
316 SST	37	82	21	66	23	62	24	62
N10276	37	83	-	-	23	63	24	63
MONEL	37	84	-	-	23	64	24	64
ALLOY 20	37	85	-	-	23	65	24	65
S31803	37	90	-	-	23	89	24	89
S32760	37	95	-	-	23	94	24	94

PACKING ARRANGEMENT	PTFE W/CARBON BUSHINGS				DUPLEX				H2 DUPLEX	
	PTFE/ CARBON PTFE		PTFE/ GLASS PTFE		GRAPH PTFE/ CARBON PTFE		GRAPH PTFE/ GLASS PTFE			
	14B7547		14B7547		14B7469		14B7469		19B2876	
TRIM	B	C	B	C	B	C	B	C	B	C
316 SST	28	67	29	67	30	67	31	67	42	67
N10276	28	68	29	68	30	68	31	68	42	68
MONEL	28	69	29	69	30	69	31	69	42	69
ALLOY 20	28	70	29	70	30	70	31	70	42	70



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ITEM B - PACKING (CONT)

ITEM C - PACKING PARTS - SPRING & WASHER OR SPACER, PACKING RING, FOLLOWER (CONT)

ITEM 9A - PRODUCT DESCRIPTOR (PACKING ARRANGEMENT) (CONT)

KALREZ PACKING

PACKING	KALREZ/VESPEL		KALREZ/VESPEL/GRAPH	
ARRANGEMENT	14B7033		14B7034	
TRIM	B	C	B	C
316 SST	33	71	34	75
N10276	33	72	34	76
MONEL	33	73	34	77
ALLOY 20	33	74	34	78

LIVE LOAD PACKING, PBS 13A0750

TA-LUFT PACKING

PACKING	CNN073 PTFE		SET-85 GRAPHITE	
ARRANGEMENT	1Q57042		1Q57047	
TRIM MATL	B	C	B	C
	35	79	36	80

ISO-SEAL PACKING

PRESSURE	CLASS 150-600				CLASS 900-1500				CLASS 2500			
PACKING	GRAPHITE		PTFE		GRAPHITE		PTFE		GRAPHITE		PTFE	
ARRANGEMENT	GF07999		GF07999		GF08002		GF08002		GF09719		GF09719	
TRIM MATL	B	C	B	C	B	C	B	C	B	C	B	C
316 SST(STD)	38	100	39	100	40	100	41	100	43	100	44	100



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ITEM D - BONNET

ITEM E - BAFFLE/BUSHING

BONNET			TEMPERATURE	
STYLE	MATERIAL	BUSHING	°F	°C
PLAIN, CAV III, BELLOWS SEAL & EXTENSION STYLE 4	ALLOY 20	N/A	-325+300	-198+149
	CF8M	N/A	-325+1000	-198+538
	CI	N/A	-100+450	-73+232
	CW2M	N/A	-325+1000	-198+538
	C5	N/A	-20+1100	-29+593
	LCC	N/A	-50+650	-46+343
	MONEL	N/A	-325+900	-198+482
	WCC	N/A	-20+800	-29+427
	WC1	N/A	-20+850	-29+454
	WC6	N/A	-20+1000	-29+538
	WC9	N/A	-20+1050	-29+566
	347 SST	N/A	-325+1100	-198+593
	CD3MN	N/A	-60+600	-51+316
	CD3MWCUN	N/A	-60+600	-51+316
EXTENSION STYLE 1 & 2	ALLOY 20	ALLOY 20	-325+300	-198+149
	CF8M	316SST	-325+1000	-198+538
	CW2M	N10276	-325+1000	-198+538
	C5	STEEL 4340	-20+1000	-29+538
	LCC	STEEL 1018	-50+650	-46+343
	WCC	STEEL 1018	-20+800	-29+427
	WC1	STEEL 4340	-20+850	-29+454
	WC6	STEEL 4340	-20+1000	-29+538
	WC9	STEEL 4340	-20+1050	-29+566
	347 SST	347 SST	-325+1100	-198+593
	CD3MN	S31803	-60+600	-51+316
	CD3MWCUN	S32760	-60+600	-51+316
EXTENSION STYLE 3 WITH LIQUID STEM SEAL BUSHING	CF8M	316 SST/PTFE	-325+450	-198+232



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ITEM D – BONNET (CONT)**ITEM 9D - DIM A**

DESIGN E

CLASS 125-600, PBS 13A0750

BONNET STYLE	SIZE	LUBR	BONNET MATERIAL									9D
			CI	WCC	C5	CF8M	LCC	WC6	ALY 20	WC9	MONEL	
			D	D	D	D	D	D	D	D	D	
PLAIN	1-1 1/4	TAP	-	1	-	-	-	-	-	-	-	N
		N/TAP	-	1027	-	-	-	-	-	-	-	N
	1 1/2	TAP	-	26	-	35	-	-	-	-	-	N
		N/TAP	-	*1028	-	*1156	-	-	-	-	-	N
	2	TAP	177	51	55	60	-	-	-	50	-	N
		N/TAP	1029	1030	1031	1052	-	-	-	1054	-	N
			-	*1068	-	*1157	*1069	-	-	-	-	N
	2 1/2	TAP	182	76	80	85	-	-	-	-	-	N
		N/TAP	1032	1033	1034	1055	-	-	-	-	-	N
			-	*1070	-	*1158	*1071	-	-	-	-	N
	3	TAP	187	101	104	109	102	-	-	100	-	N
		N/TAP	1035	1036	1038	1056	1037	-	-	1058	1057	N
			-	*1072	-	*1159	*1073	-	-	-	-	N
	4	TAP	192	125	129	134	1133	131	-	124	801	N
		N/TAP	1039	1040	1041	1059	1134	1042	1060	1062	1061	N
			-	*1074	-	*1160	*1075	-	-	-	-	N
	6	TAP	197	150	155	160	152	157	173	708	-	N
		N/TAP	1043	1044	1046	1063	1045	1047	1064	1065	-	N
			-	*1044	-	*1161	*1076	-	-	-	-	N
	8	TAP	650	651	M	M	M	M	M	M	M	N
			-	*651	M	M	M	M	M	M	M	N
		N/TAP	1048	1049	M	M	M	M	M	M	M	N
			-	*1049	M	M	M	M	M	M	M	N

BONNET STYLE	SIZE	LUBR	BONNET MATERIAL						9D
			CD3MN		CD3MWCUN	CD3MN W/NORSOK		CD3MWCUN W/NORSOK	
			D	D	D	D		D	
PLAIN	1-1 1/4	N/TAP	1170	*1163	*1184	*1191		*1198	N
	1 1/2	N/TAP	1171	*1164	*1185	*1192		*1199	N
	2	N/TAP	1172	*1165	*1186	*1193		*1200	N
	2 1/2	N/TAP	1173	*1166	*1187	*1194		*1201	N
	3	N/TAP	1174	*1167	*1188	*1195		*1202	N
	4	N/TAP	1175	*1168	*1189	*1196		*1203	N
	6	N/TAP	1176	*1169	*1190	*1197		*1204	N

NOTE: DUPLEX SST AND SUPER DUPLEX SST MODULES WITH * ONLY MEET THE REQUIREMENTS OF NACE MR0175/ISO15156



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ITEM D - BONNET (CONT)

ITEM 9D - DIM A

DESIGN E

CLASS 150-600, PBS 13A0750

BONNET STYLE	SIZE	DIM A	LUBR	BONNET MATERIAL								9D
				WCC	C5	CF8M	LCC	WC1	WC6	347 SST	WC9	
				D	D	D	D	D	D	D	D	
EXTENSION STYLE 1	1 1/2	N/A	N/TAP	1080	-	-	-	-	-	-	-	N
	2	N/A	TAP	326	330	335	-	-	-	-	325	N
			N/TAP	1081	1082	1099	-	-	-	-	1100	N
	2 1/2	N/A	TAP	351	355	360	-	-	-	361	350	N
			N/TAP	1083	1084	1101	-	-	-	1102	1103	N
	3	N/A	TAP	376	380	385	377	-	382	-	375	N
			N/TAP	1085	1087	1105	1086	-	1104	-	1106	N
	4	N/A	TAP	401	405	410	402	404	-	-	-	N
EXTENSION STYLE 2			N/TAP	1088	1091	1107	1089	1090	-	-	1108	N
	6	N/A	TAP	426	430	435	427	429	432	436	425	N
			N/TAP	1092	1095	1110	1093	1094	1109	1111	1112	N
	8	N/A	TAP	652	655	657	653	654	-	-	661	N
			N/TAP	1096	1098	1079	1097	1123	-	-	1113	N
				*1077	-	*1162	*1078	-	-	-	-	N
	2	N/A	TAP	-	-	511	-	-	-	-	-	N
			N/TAP	-	-	1115	-	-	-	-	-	N
EXTENSION STYLE 3	3	N/A	TAP	527	-	536	-	-	-	-	-	N
			N/TAP	1114	-	1116	-	-	-	-	-	N
	4	N/A	TAP	-	-	561	-	-	-	-	-	N
			N/TAP	-	-	1117	-	-	-	-	1118	N
	6	N/A	TAP	-	-	586	-	-	-	-	-	N
			N/TAP	-	-	1119	-	-	-	-	-	N
	4	N/A	TAP	602	-	-	-	-	-	-	-	N
			N/TAP	1120	-	-	-	-	-	-	-	N
BELLAWS SEAL	6	N/A	TAP	627	-	-	-	-	-	-	-	N
			N/TAP	1121	-	1122	-	-	-	-	-	N
EXTENSION STYLE 3 LIQUID STEM SEAL BUSHING	2	21	TAP	-	-	1132	-	-	-	-	-	1
	3	21	TAP	-	-	1128	-	-	-	-	-	1
	4	21	TAP	-	-	1129	-	-	-	-	-	1
	6	30	TAP	-	-	1130	-	-	-	-	-	2
	6 X 4	22.38	TAP	-	-	1129	-	-	-	-	-	6
	8	30	TAP	-	-	1131	-	-	-	-	-	2
	8 X 4	22.44	TAP	-	-	1129	-	-	-	-	-	7
	8 X 6	31.38	TAP	-	-	1130	-	-	-	-	-	3
	10 X 8	30	TAP	-	-	1131	-	-	-	-	-	2
	12 X 6	34.06	TAP	-	-	1130	-	-	-	-	-	4
	12 X 8	31.47	TAP	-	-	1131	-	-	-	-	-	5
	2	21	N/TAP	-	-	1247	-	-	-	-	-	1
	3	21	N/TAP	-	-	1248	-	-	-	-	-	1
	4	21	N/TAP	-	-	1249	-	-	-	-	-	1
	6	30	N/TAP	-	-	1250	-	-	-	-	-	2
	6 X 4	22.38	N/TAP	-	-	1251	-	-	-	-	-	6
	8	30	N/TAP	-	-	1252	-	-	-	-	-	2
	8 X 4	22.44	N/TAP	-	-	1253	-	-	-	-	-	7
	8 X 6	31.38	N/TAP	-	-	1254	-	-	-	-	-	3
	10 X 8	30	N/TAP	-	-	1255	-	-	-	-	-	2
	12 X 6	34.06	N/TAP	-	-	1256	-	-	-	-	-	4
	12 X 8	31.47	N/TAP	-	-	1257	-	-	-	-	-	5



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ITEM D - BONNET (CONT)**ITEM 9D - DIM A**

DESIGN E

CLASS 150-600, PBS 13A0750

BONNET STYLE	SIZE	LUBR	BONNET MATERIAL					9D
			CD3MN		CD3MWCUN	CD3MN W/NORSOK	CD3MWCUN W/NORSOK	
			D	D	D	D	D	
EXTENSION STYLE 1	1 1/2	N/TAP	1205	*1212	*1226	*1233	*1240	N
	2	N/TAP	1206	*1213	*1227	*1234	*1241	N
	2 1/2	N/TAP	1207	*1214	*1228	*1235	*1242	N
	3	N/TAP	1208	*1215	*1229	*1236	*1243	N
	4	N/TAP	1209	*1216	*1230	*1237	*1244	N
	6	N/TAP	1210	*1217	*1231	*1238	*1245	N
	8	N/TAP	1211	*1218	*1232	*1239	*1246	N

NOTE: DUPLEX SST AND SUPER DUPLEX SST MODULES WITH * ONLY MEET THE REQUIREMENTS OF NACE MR0175/ISO15156

DESIGN E

CLASS	BONNET STYLE	PBS	SIZE	LUBR	BONNET MATERIAL						9D
					WCC	LCC	C5	WC6	WC9	CF8M	
					D	D	D	D	D	D	
1500	PLAIN	13A0750	3	TAP	680	-	681	683	685	684	N
			4	TAP	686	-	687	689	691	690	N
			6	TAP	692	694	693	695	697	696	N
	EXTENSION STYLE 4	13A0751	4	ONE 1/2 SW NIPPLE	762	-	-	-	-	-	N
2500	PLAIN	13A0750	3	TAP	662	-	663	665	-	666	N
			4	TAP	668	-	669	-	-	672	N
			6	TAP	674	-	675	-	679	678	N



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ITEM D - BONNET (CONT)**ITEM 9D - DIM A**

CAVITROL III

PBS 13A0750

BONNET STYLE	CLASS	LUBR	SIZE	STAGE	TRAVEL	BONNET MATERIAL						9D
						WCC	C5	LCC	CF8M	WC6	WC9	
						D	D	D	D	D	D	
PLAIN	1500	TAP	3	2	3 1/2	794	765	768	766	769	767	N
				3	2	680	681	-	684	683	685	N
					3 1/2	722	723	770	-	771	725	N
			4	2 & 3	ALL	726	727	772	-	773	-	N
				2 & 3	ALL	730	-	774	-	-	-	N
			6									
	2500	TAP	3	2	ALL	776	777	780	778	781	779	N
				3	ALL	734	-	788	-	789	-	N
			4	2	ALL	782	783	786	784	787	785	N
				3	ALL	738	-	790	-	791	-	N
			6	2	ALL	742	743	792	-	793	745	N
				3	ALL	742	743	792	-	793	745	N

PBS 13A0750

DESIGN	CLASS	BONNET STYLE	SIZE	LUBR	BONNET MATERIAL						9D
					WCC	C5	WC9	WC6	CF8M	316H	
					D	D	D	D	D	D	
ER	150-600	PLAIN	2-4	TAP	*709	-	-	-	-	-	N
				N/TAP	-	-	-	-	1067	-	N
					*1066	-	-	-	*1067	-	N
EW	900	PLAIN	6	TAP	711	746	798	797	796	747	N
			8	TAP	802	-	806	805	804	803	N
EAP	125-600	PLAIN	6	TAP	-	764	-	-	-	-	N
EWP	125-600	PLAIN	4	TAP	-	764	-	-	-	-	N



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Design E Series Bonnet

Size NPS 1-8, Class 125-2500, 3/4 Stem, 3 9/16 Yoke Boss

ITEM D - BONNET (CONT)**ITEM 9D - DIM A**

DESIGN EH, PBS 13A0750

CLASS	BONNET STYLE	SIZE	BONNET MATERIAL						9D
			WCC	LCC	C5	CF8M	WC9	316H	
			D	D	D	D	D	D	
1500	PLAIN	1	1003	1004	809	811	810	812	N
		2	1005	1006	815	817	816	818	N
		3	1007	1008	833	835	834	836	N
		4	1009	1010	839	841	840	842	N
		6	1011	1012	845	847	846	848	N
	EXTENSION STYLE 1	1	1013	-	976	978	977	-	N
		2	1014	-	980	982	981	-	N
2500	PLAIN	1	1015	1016	821	823	822	824	N
		2	1017	1018	827	829	828	830	N
		3	1019	1020	851	853	852	854	N
		4	1021	1022	857	859	858	860	N
		6	1023	1024	863	865	864	866	N
	EXTENSION STYLE 1	1	1025	-	984	986	985	-	N
		2	1026	-	988	990	989	-	N

DESIGN NOTCHFLO, PBS 13A0750

BONNET STYLE	CLASS	SIZE	LUBR	BONNET MATERIAL						9D
				WCC	LCC	WC9	CF8M	CF8C	CD3MN	
				D	D	D	D	D	D	
PLAIN	300-600	2	N/TAP	1030	1135	1054	1052	1136	1137	N
				*1068	*1069	-	*1052	*1136	*1137	N
	300-600	3	N/TAP	1036	1037	1058	1056	1138	1139	N
				*1072	*1073	-	*1056	*1138	*1139	N
	300-600	4	N/TAP	1040	1134	1062	1059	1140	1141	N
				*1074	*1075	-	*1059	*1140	*1141	N
	300-600	6	N/TAP	1142	1144	1146	1147	1148	1149	N
				*1143	*1145	-	*1147	*1148	*1149	N
	300-600	8	N/TAP	1150	1045	1065	1153	1154	1155	N
				*1151	*1152	-	*1153	*1154	*1155	N



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ITEM E - BAFFLE/BUSHING

DESIGN	CLASS	BONNET STYLE	LIQUID STEM SEAL BUSHING	SIZE	BONNET MATERIAL	E
E	125-600	EXTENSION STYLE 1	N/A	1 1/2	WCC	80
					CD3MN	113
					CD3MWCUN	114
		EXTENSION STYLE 2	N/A	2-6	WCC & LCC	86
					C5, WC1, WC6 & WC9	87
					CF8M	88
					347 SST	89
					CD3MN	115
					CD3MWCUN	116
		EXTENSION STYLE 3	316 SST/PTFE 316 SST/PTFE/N07750	2-3	WCC & LCC	86
					C5, WC1, WC6 & WC9	87
					CF8M	88
EH	1500-2500	EXTENSION STYLE 1	N/A	2-3	347 SST	89
				4	C5, WC1, WC6 & WC9	93
					CF8M	94
				6	CF8M	100
		OTHER	N/A	2-8	CF8M	111
						*112
		OTHER	N/A	ALL	ALL	N
ER EWP CAVITROL NOTCHFLO	ALL ALL ALL ALL	ALL ALL ALL ALL	N/A N/A N/A N/A	1	WCC	104
					C5 & WC9	105
					CF8M	106
				2	WCC	107
					C5 & WC9	108
					CF8M	109
				ALL	ALL	N



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Design E Series Bonnet

Size NPS 1-8, Class 125-2500, 3/4 Stem, 3 9/16 Yoke Boss

ITEM F - PIPE PLUG/LUBRICATOR/ISOLATING VALVE

BONNET	CLASS	PLUG /LUBR/ISOL VALVE	BODY	F
NON-TAPPED	ALL	NONE	ALL	N
TAPPED	125-600	PIPE PLUG	CI, WCC, LCC & WC1	1
			C5, WC6, WC9, 316 SST & 347 SST	2
			ALY 20	6
			CW2M	5
			MONEL	3
		LUBRICATOR	MONEL	-
			OTHER	9
		LUBR/ISOLATING VALVE	316 SST, 347 SST, ALY 20 & CW2M	11
			MONEL	-
			OTHER	10
	900-2500	PIPE PLUG	WCC & LCC	1
			C5, WC6, WC9 & 316 SST	2
			MONEL	3
		LUBRICATOR	WCC, LCC, C5, WC6, WC9 & 316 SST	9
		LUBR/ISOLATING VALVE	WCC, LCC, C5, WC6 & WC9	12
			316 SST	13

ITEM G - BELLOWS SEAL PARTS**ITEM J - CONNECTION STUD**

DO NOT USE WITH DESIGN EB

BELLOWS SEAL PRESSURE 300 PSI/100 °F(20.7 BAR/37.8 °C) (FOR OTHER TEMPERATURES SEE DV8931)

CLASS	TEMP		VSC	DESIGN	CAPACITY	TRIM		STD SST		316 SST		N10665		ALY 20		MONEL	
						BELLOWS		316 SST		316 SST		316 SST		316 SST		MONEL	
	°F	°C				G	J	G	J	G	J	G	J	G	J	G	J
125-600	-20+1000	-29+538	1L7500	E, ER & EP	4 & 6 FULL	1	1	2	1	3	2	4	3	5	4		
				EZ	4 RESTRICTED	1	1	2	1	3	2	4	3	5	4		
					4 FULL	1	5	2	5	3	-	4	-	5	-		
OTHER	ALL		ALL	ALL	ALL	N	N	N	N	N	N	N	N	N	N	N	N

ITEM H - BELLOWS SEAL GASKETS

DO NOT USE WITH DESIGN EB

CLASS	SIZE	TEMP °F	TEMP °C	H
125-600	4	=<450	=<232	5
		>450	>232	2
	6	=<450	=<232	6
		>450	>232	4
OTHER	ALL	ALL		N



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Design E Series Bonnet

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ITEM M - BELLOWS SEAL BONNET NAMEPLATE

ORDER ENTRY MUST SUPPLY PAD VALUES FOR INDEX CODES

BONNET STYLE	M
BELLOWS SEAL	1
OTHERS	N

ITEM N - LUBRICATOR FLUID

BONNET	PLUG /LUBR/ISOL VALVE	N
NON-TAPPED	NONE	N
TAPPED	PIPE PLUG	N
	LUBRICATOR	1
	LUBR/ISOLATING VALVE	1

ITEM P - ENVIRO-SEAL PACKING TAG

PACKING STYLE	P
ENVIRO-SEAL	1
OTHER	N

ITEM 9B - PACKING ADJUSTMENT WARNING LABEL**ITEM 9C - PACKING ASSEMBLY AND TEST**

PKG ARRANGEMENTS	9B	9C
SINGLE PTFE WITH STANDARD SST OR 316 SST PACKING PARTS	N	N
HIGH-SEAL	N	N
LIVE LOADED (EXCEPT ISO-SEAL)	N	1
ISO-SEAL	N	2
OTHER	1	N

ASSEMBLY DRAWINGS

STANDARD BONNET	AU3910
EXTENSION BONNET	CU3911
EXTENSION BONNET STYLE 3	44B8565
BELLOWS SEAL BONNET	CU3912
DESIGN ER BONNET	10A6681
LUBRICATOR	10A9421
LUBRICATOR ISOLATING VALVE	AJ5428
DESIGN EH EXTENSION BONNET BAFFLE	18A8557
ENVIRO-SEAL PTFE PACKING FOR STD, EXTENSION & BELLOWS SEAL BONNET	32B6700
ENVIRO-SEAL GRAPHITE ULF PACKING FOR STD, EXTENSION & BELLOWS SEAL BONNET	39B4612
ENVIRO-SEAL GRAPHITE PACKING FOR NUCLEAR STD, EXTENSION & BELLOWS SEAL BNT	39B6697
HIGH SEAL GRAPHITE ULF PACKING	39B4153
GRAPHITE ULF PACKING	39B6701
SINGLE GRAPHITE COMPOSITE PACKING	39B6699
HIGH SEAL GRAPHITE PACKING	32B5856
ISO-SEAL PACKING ASSY CLASS 150-600	GF07999
ISO-SEAL PACKING ASSY CLASS 900-1500	GF08002
ISO-SEAL PACKING ASSY CLASS 2500	GF09719
ENVIRO-SEAL H2 DUPLEX	19B2876



Design E Series Bonnet
Size NPS 1-8, Class 125-2500, 3/4 Stem, 3 9/16 Yoke Boss

Revision Change Record

The date recorded on this document reflects the effective date of this revision.

ECRN: 20172489

Matrix Section:

Item	Module	Changes
D	1247	New - CF8M EXT STYLE 3 BONNET N/LUBR TAPPING SIZE 2 DIM A 21.
D	1248	New - CF8M EXT STYLE 3 BONNET N/LUBR TAPPING SIZE 3 DIM A 21.
D	1249	New - CF8M EXT STYLE 3 BONNET N/LUBR TAPPING SIZE 4 DIM A 21.
D	1250	New - CF8M EXT STYLE 3 BONNET N/LUBR TAPPING SIZE 6 DIM A 30.
D	1251	New - CF8M EXT STYLE 3 BONNET N/LUBR TAPPING SIZE 6X4 DIM A 22.38.
D	1252	New - CF8M EXT STYLE 3 BONNET N/LUBR TAPPING SIZE 8 DIM A 30.
D	1253	New - CF8M EXT STYLE 3 BONNET N/LUBR TAPPING SIZE 8X4 DIM A 22.44.
D	1254	New - CF8M EXT STYLE 3 BONNET N/LUBR TAPPING SIZE 8X6 DIM A 31.38.
D	1255	New - CF8M EXT STYLE 3 BONNET N/LUBR TAPPING SIZE 10X8 DIM A 30.
D	1256	New - CF8M EXT STYLE 3 BONNET N/LUBR TAPPING SIZE 12X6 DIM A 34.06.
D	1257	New - CF8M EXT STYLE 3 BONNET N/LUBR TAPPING SIZE 12X8 DIM A 31.47.