



ANSTEC APERTURE CARD

REVISION	DESCRIPTION	DATE	BY
A	REVISED - SEE ECN		
B	REVISED - SEE ECN		
C	REVISED - SEE ECN		
D	REVISED - SEE ECN		
E	REVISED - SEE ECN		
F	REVISED - SEE ECN		
G	REVISED - SEE ECN		

NO.	QTY	DESCRIPTION	MATERIAL AND SPECIFICATION	REVISION
56	4	1/2" INTERIOR THREAD	303 STAINLESS STEEL PER	WASHER, LOCK
55	4	1/2" INTERIOR THREAD	303 STAINLESS STEEL PER	WASHER, LOCK
54	4	3/8" - 10 NUT	ASTM A193 B7.2 B7.2	NUT
53	4	1/2" - 11 1/2 LG. HEX BOLT	ASTM A193 B7.2 B7.2	BOLT, HEX
52	1	5		COILS
51	2	5/32		CAPLUG
50	1	1/2		INSULING
49	1	2.0 G. X 1/16 G. X 1/16	COILS 107-1	PACKING
48	4	1/2" INTERIOR THREAD	303 STAINLESS STEEL PER	SCREW, W/SPR
47	10	1/2" INTERIOR THREAD	303 STAINLESS STEEL PER	WASHER, LOCK
46	4	1/2" INTERIOR THREAD	303 STAINLESS STEEL PER	WASHER, LOCK
45	2	1/2" INTERIOR THREAD	303 STAINLESS STEEL PER	WASHER, LOCK
44	2	1/2" INTERIOR THREAD	303 STAINLESS STEEL PER	BOLT, HEX
43	10	1/2" - 11 1/2 NUT	ASTM A193 B7.2 B7.2	NUT
42	6	1/2" - 11 1/2 NUT	ASTM A193 B7.2 B7.2	NUT
41	2	1/2" - 11 1/2 NUT	ASTM A193 B7.2 B7.2	NUT
40	1	72910	ASTM A193 B7.2 B7.2	WASHER, LOCK
39	1	72929	ASTM A193 B7.2 B7.2	WASHER, LOCK
38	1	72970	ASTM A193 B7.2 B7.2	WASHER, LOCK
37	1	72977	ASTM A193 B7.2 B7.2	WASHER, LOCK
36	1	72977	ASTM A193 B7.2 B7.2	WASHER, LOCK
35	4	72610	ASTM A193 B7.2 B7.2	WASHER, LOCK
34	1	72954-12	ASTM A193 B7.2 B7.2	WASHER, LOCK
33	1	71115	ASTM A193 B7.2 B7.2	WASHER, LOCK
32	2	72505	ASTM A193 B7.2 B7.2	WASHER, LOCK
31	1	72504	ASTM A193 B7.2 B7.2	WASHER, LOCK
30	1	72550	ASTM A193 B7.2 B7.2	WASHER, LOCK
29	1	72050	ASTM A193 B7.2 B7.2	WASHER, LOCK
28	1	72430	ASTM A193 B7.2 B7.2	WASHER, LOCK
27	1	71454	ASTM A193 B7.2 B7.2	WASHER, LOCK
26	1	71904	ASTM A193 B7.2 B7.2	WASHER, LOCK
25	1	71904	ASTM A193 B7.2 B7.2	WASHER, LOCK
24	1	71904	ASTM A193 B7.2 B7.2	WASHER, LOCK
23	1	72933	ASTM A193 B7.2 B7.2	WASHER, LOCK
22	1	72944	ASTM A193 B7.2 B7.2	WASHER, LOCK
21	1	71795-11	ASTM A193 B7.2 B7.2	WASHER, LOCK
20	1	71790-11	ASTM A193 B7.2 B7.2	WASHER, LOCK
19	1	71797-11	ASTM A193 B7.2 B7.2	WASHER, LOCK
18	2	71446	ASTM A193 B7.2 B7.2	WASHER, LOCK
17	1	71453	ASTM A193 B7.2 B7.2	WASHER, LOCK
16	1	71453	ASTM A193 B7.2 B7.2	WASHER, LOCK
15	1	71355-15	ASTM A193 B7.2 B7.2	WASHER, LOCK
14	2	70565-11	ASTM A193 B7.2 B7.2	WASHER, LOCK
13	1	70966-11	ASTM A193 B7.2 B7.2	WASHER, LOCK
12	1	70966-11	ASTM A193 B7.2 B7.2	WASHER, LOCK
11	4	70904-11	ASTM A193 B7.2 B7.2	WASHER, LOCK
10	2	70837	ASTM A193 B7.2 B7.2	WASHER, LOCK
9	2	72649	ASTM A193 B7.2 B7.2	WASHER, LOCK
8	1	72734	ASTM A193 B7.2 B7.2	WASHER, LOCK
7	1	71293-11	ASTM A193 B7.2 B7.2	WASHER, LOCK
6	1	70017	ASTM A193 B7.2 B7.2	WASHER, LOCK
5	1	71895	ASTM A193 B7.2 B7.2	WASHER, LOCK
4	1	70016	ASTM A193 B7.2 B7.2	WASHER, LOCK
3	1	70016	ASTM A193 B7.2 B7.2	WASHER, LOCK
2	6	70013	ASTM A193 B7.2 B7.2	WASHER, LOCK
1	1	70003	ASTM A193 B7.2 B7.2	WASHER, LOCK

- ▲ FULL PENETRATING WELD PER NPS 1006 OR NPS 5-26.
- ▲ SEAL WELDED PER NPS 7006 OR NPS 5-1.
- ▲ HEAT TREATED PER MIL-M-4075 CLASS D, OR M-NPS.
- ▲ HARD FRIED PER NPS 70046 OR NPS 5-53.
- ▲ INTERNAL COMPONENTS TO HAVE BRASS AND PRESSURE VESSEL CODE SECTION III AND NPS 7007, EXCEPT EXHAUSTION EXHAUSTION.
- ▲ APPLY APPLICABLE NOMENCLATURE PER NPS 7007 CLASS 2.
- ▲ CHARACTERISTICS TO BE .093 HIGH MINIMUM.
- ▲ N-TYPE SYMBOL STAMP SHALL BE APPLIED PER NUCLEAR PRODUCTS QUALITY ASSURANCE MANUAL SECTION 4.
- ▲ APPLY A THIN COAT OF ITEM 50 TO INDICATED THREADS.
- ▲ MAY BE PURCHASED FROM: HORN INDUSTRIES, FORT HARRIS, MO.
- ▲ RADIOGRAPHIC EXAMINATION PER NPS 70003 OR NPS 6-5.
- ▲ MAY BE PURCHASED FROM: PROTECTIVE CLOSURES INC., BUFFALO, N.Y.
- ▲ TESTING SHALL BE IN ACCORDANCE WITH ATP 75043.
- ▲ PRESSURE BOUNDARY ITEM PER ASME BOILER AND PRESSURE VESSEL CODE SECTION III, CLASS 2.

- ▲ SOLDER PLATED PER ASTM B254.
- ▲ TORQUE TO 100 - 150 FOOT POUNDS.
- ▲ WEIGHT: VALVE 335 LB. DRY, 347 LB. WET AND TREATOR 272 LB. COMBINED OPERATOR AND VALVE 207 LB. DRY.
- ▲ APPLY APPLICABLE NOMENCLATURE PER NPS 7007 CLASS 2.
- ▲ CHARACTERISTICS TO BE .250 MIN HIGH.
- ▲ EFFICIENT OF FLOW: $C_v = 945$ (CALCULATED).
- ▲ MIN. WALL THICKNESS AS MEASURED 3 PLACES 90° APART.
- ▲ MIN. STEM THICKNESS AS MEASURED 3 PLACES 90° APART.
- ▲ NPS ALL PARTS EXCEPT ITEMS 3, 9, 29, 32, 35 & 53.
- ▲ UNIT PER QTY-SPEC. NO. ON DRAWING-SEE NOTE ▲ FOR MESHING INSTRUCTIONS.
- ▲ TORQUE TO 100-150 INCH POUNDS.
- ▲ INTERNAL COMPONENTS TO HAVE BOILER AND PRESSURE VESSEL CODE SECTION III AND NPS 7007 EXCEPT EXHAUSTION EXHAUSTION.
- ▲ TORQUE TO 30-35 FOOT POUNDS.
- ▲ TORQUE TO 35' MAX FOOT POUNDS.
- ▲ TORQUE TO 2.0 MAX FOOT POUNDS.
- ▲ WITHIN CHLORIDE CONTENT TO BE LESS THAN 200 PPM.
- ▲ PENETRANT EXAMINATION PER NPS 6-1.
- ▲ CLEAN AND PACKAGE PER NPS 7613.
- ▲ OPERATOR SIZED TO OPERATE VALVE AT A MAXIMUM DIFFERENTIAL PRESSURE OF 1750 PSI.

PART NO.	DUKE POWER CO./MILL POWER SUPPLY CO.		
ITEM NO.	LIST NO.	ORDER NO.	
75040	SH-201	CN-090040	A 98528

FOR INFORMATION ONLY

CHN 1206.00-0113 001

NO.	REVISED	DATE	BY	REASON

Q A CONDITION 1

NO.	QTY	PART OR IDENTIFYING NO.	MATERIAL AND SPECIFICATION	REVISION

PDR RIDS

9603040303

