

50-305

RESPONSE TO NUREG-0737 ITEM II.D.1

Docket # *50-305*

Control # *8403280048*

Date *3/23/84* of Document:
REGULATORY DOCKET FILE

78000000 0.000000E+00 0.000000E+00 0.000000E+00

JUN.NO. CONTROL NUMBER TABLE NUMBER

78000000 1 0

INPUT DATA FOR COMPONENT 79, C-79 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)					
79010000	1.470000E-01	8.000000E-01	1.176000E-01	0.000000E+00	0.000000E+00	0.000000E+00					
VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4				

79010000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00				
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INPUT DATA FOR COMPONENT 80, C-81-79 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.					
80000000	81010000	79000000	1.470000E-01	0.000000E+00	0.000000E+00	1000	1.000000E+00	1.000000E+00				
JUN.NO.	INIT. LIQ. VEL. (FT/SEC)		INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)								
80000000	0.000000E+00		0.000000E+00	0.000000E+00								

INPUT DATA FOR COMPONENT 81, C-81 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)					
81010000	1.470000E-01	5.890000E-01	8.658299E-02	0.000000E+00	0.000000E+00	0.000000E+00					
VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4				
81010000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00				

INPUT DATA FOR COMPONENT 82, C-83-81 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.					
82000000	83010000	81000000	1.470000E-01	0.000000E+00	0.000000E+00	1000	1.000000E+00	1.000000E+00				
JUN.NO.	INIT. LIQ. VEL. (FT/SEC)		INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)								
82000000	0.000000E+00		0.000000E+00	0.000000E+00								

INPUT DATA FOR COMPONENT 83, C-83 PIPE , HAVING 2 VOLUMES AND 1 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)					
83010000	1.470000E-01	5.400000E-01	7.937999E-02	0.000000E+00	9.000000E+01	5.400000E-01					
83020000	1.470000E-01	6.380000E-01	9.378599E-02	0.000000E+00	9.000000E+01	6.380000E-01					
VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4				
83010000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00		
83020000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00		
JUN.NO.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)				
83010000	1.470000E-01	0.000000E+00	0.000000E+00	1000	0.000000E+00	0.000000E+00	0.000000E+00				

INPUT DATA FOR COMPONENT 84, C-85-83 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.					
84000000	83010000	85000000	1.470000E-01	1.600000E-01	1.600000E-01	1000	1.000000E+00	1.000000E+00				
JUN.NO.	INIT. LIQ. VEL. (FT/SEC)		INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)								
84000000	0.000000E+00		0.000000E+00	0.000000E+00								

INPUT DATA FOR COMPONENT 85, C-85 PIPE , HAVING 2 VOLUMES AND 1 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)					
85010000	1.470000E-01	7.030000E-01	1.033410E-01	0.000000E+00	-9.000000E+01	-7.030000E-01					
85020000	1.470000E-01	7.030000E-01	1.033410E-01	0.000000E+00	-9.000000E+01	-7.030000E-01					
VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4				
85010000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00		
85020000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00		
JUN.NO.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)				
85010000	1.470000E-01	0.000000E+00	0.000000E+00	1000	0.000000E+00	0.000000E+00	0.000000E+00				

83010000 1.470000E-01 0.000000E+00 0.000000E+00 1000 0.000000E+00 0.000000E+00 0.000000E+00

INPUT DATA FOR COMPONENT 84, C-85-83 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL. TO VOL. JUNCTION AREA (FT2) FORWARD LOSS COEFFICIENT REVERSE LOSS COEFFICIENT JUNCTION FLAGS SUBCOOLED DISCHARGE COEF. TWO-PHASE DISCHARGE COEF.

84000000 83010000 85000000 1.470000E-01 1.600000E-01 1.600000E-01 1000 1.000000E+00 1.000000E+00

INIT. LIQ. VEL. (FT/SEC) INIT. VAP. VEL. (FT/SEC) INTERFACE VEL. (FT/SEC)

84000000 0.000000E+00 0.000000E+00 0.000000E+00

INPUT DATA FOR COMPONENT 85, C-85 PIPE , HAVING 2 VOLUMES AND 1 JUNCTIONS

VOL NO. FLOW AREA (FT2) FLOW LENGTH (FT) VOLUME (FT3) HORIZ. ANGLE (DEG) VERT. ANGLE (DEG) ELEV. CHNG. (FT)

85010000 1.470000E-01 7.030000E-01 1.033410E-01 0.000000E+00 -9.000000E+01 -7.030000E-01

85020000 1.470000E-01 7.030000E-01 1.033410E-01 0.000000E+00 -9.000000E+01 -7.030000E-01

VOL NO. ROUGHNESS (FT) HYDRAULIC DIAM. (FT) VOLUME FLAGS INIT. COND. FLAG I.C.VALUE 1 I.C.VALUE 2 I.C.VALUE 3 I.C.VALUE 4

85010000 1.500000E-04 4.326271E-01 0 2 2.686000E+03 1.000000E+00 0.000000E+00 0.000000E+00

85020000 1.500000E-04 4.326271E-01 0 2 2.686000E+03 1.000000E+00 0.000000E+00 0.000000E+00

JUN.NO. JUNCTION AREA (FT2) FORWARD LOSS COEFFICIENT REVERSE LOSS COEFFICIENT JUNCTION FLAGS INIT. LIQ. VEL. (FT/SEC) INIT. VAP. VEL. (FT/SEC) INTERFACE VEL. (FT/SEC)

85010000 1.470000E-01 0.000000E+00 0.000000E+00 1000 0.000000E+00 0.000000E+00 0.000000E+00

INPUT DATA FOR COMPONENT 86, C-87-85 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL. TO VOL. JUNCTION AREA (FT2) FORWARD LOSS COEFFICIENT REVERSE LOSS COEFFICIENT JUNCTION FLAGS SUBCOOLED DISCHARGE COEF. TWO-PHASE DISCHARGE COEF.

86000000 87010000 85000000 1.470000E-01 0.000000E+00 0.000000E+00 1000 1.000000E+00 1.000000E+00

JUN.NO. INIT. LIQ. VEL. (FT/SEC) INIT. VAP. VEL. (FT/SEC) INTERFACE VEL. (FT/SEC)

86000000 0.000000E+00 0.000000E+00 0.000000E+00

INPUT DATA FOR COMPONENT 87, C-87 PIPE , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO. FLOW AREA (FT2) FLOW LENGTH (FT) VOLUME (FT3) HORIZ. ANGLE (DEG) VERT. ANGLE (DEG) ELEV. CHNG. (FT)

87010000 1.470000E-01 5.840000E-01 8.584799E-02 0.000000E+00 0.000000E+00 0.000000E+00

VOL NO. ROUGHNESS (FT) HYDRAULIC DIAM. (FT) VOLUME FLAGS INIT. COND. FLAG I.C.VALUE 1 I.C.VALUE 2 I.C.VALUE 3 I.C.VALUE 4

87010000 1.500000E-04 4.326271E-01 0 2 2.686000E+03 1.000000E+00 0.000000E+00 0.000000E+00

INPUT DATA FOR COMPONENT 88, C-89-87 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL. TO VOL. JUNCTION AREA (FT2) FORWARD LOSS COEFFICIENT REVERSE LOSS COEFFICIENT JUNCTION FLAGS SUBCOOLED DISCHARGE COEF. TWO-PHASE DISCHARGE COEF.

88000000 89010000 87000000 1.470000E-01 1.950000E-01 1.950000E-01 1000 1.000000E+00 1.000000E+00

JUN.NO. INIT. LIQ. VEL. (FT/SEC) INIT. VAP. VEL. (FT/SEC) INTERFACE VEL. (FT/SEC)

88000000 0.000000E+00 0.000000E+00 0.000000E+00

INPUT DATA FOR COMPONENT 89, C-89 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO. FLOW AREA (FT2) FLOW LENGTH (FT) VOLUME (FT3) HORIZ. ANGLE (DEG) VERT. ANGLE (DEG) ELEV. CHNG. (FT)

89010000 1.470000E-01 7.850000E-01 1.153950E-01 0.000000E+00 0.000000E+00 0.000000E+00

VOL NO. ROUGHNESS (FT) HYDRAULIC DIAM. (FT) VOLUME FLAGS INIT. COND. FLAG I.C.VALUE 1 I.C.VALUE 2 I.C.VALUE 3 I.C.VALUE 4

89010000 1.500000E-04 4.326271E-01 0 2 2.686000E+03 1.000000E+00 0.000000E+00 0.000000E+00

INPUT DATA FOR COMPONENT 90, C-91-89 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL. TO VOL. JUNCTION AREA (FT2) FORWARD LOSS COEFFICIENT REVERSE LOSS COEFFICIENT JUNCTION FLAGS SUBCOOLED DISCHARGE COEF. TWO-PHASE DISCHARGE COEF.

90000000 91010000 89000000 1.470000E-01 0.000000E+00 0.000000E+00 1000 1.000000E+00 1.000000E+00

JUN.NO. INIT. LIQ. VEL. (FT/SEC) INIT. VAP. VEL. (FT/SEC) INTERFACE VEL. (FT/SEC)

90000000 0.000000E+00 0.000000E+00 0.000000E+00

INPUT DATA FOR COMPONENT 91, C-91 PIPE , HAVING 3 VOLUMES AND 2 JUNCTIONS

VOL NO. FLOW AREA (FT2) FLOW LENGTH (FT) VOLUME (FT3) HORIZ. ANGLE (DEG) VERT. ANGLE (DEG) ELEV. CHNG. (FT)

91010000 1.470000E-01 1.074000E+00 1.578780E-01 0.000000E+00 9.000000E+01 1.074000E+00

91020000 1.470000E-01 1.074000E+00 1.578780E-01 0.000000E+00 9.000000E+01 1.074000E+00

91030000 1.470000E-01 1.074000E+00 1.578780E-01 0.000000E+00 9.000000E+01 1.074000E+00

VOL NO. ROUGHNESS (FT) HYDRAULIC DIAM. (FT) VOLUME FLAGS INIT. COND. FLAG I.C.VALUE 1 I.C.VALUE 2 I.C.VALUE 3 I.C.VALUE 4

91010000 1.500000E-04 4.326271E-01 0 2 2.686000E+03 1.000000E+00 0.000000E+00 0.000000E+00

91020000 1.500000E-04 4.326271E-01 0 2 2.686000E+03 1.000000E+00 0.000000E+00 0.000000E+00

91030000 1.500000E-04 4.326271E-01 0 2 2.686000E+03 1.000000E+00 0.000000E+00 0.000000E+00

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
89010000	1.470000E-01	7.850000E-01	1.153950E-01	0.000000E+00	0.000000E+00	0.000000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
89010000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 90, C-91-89 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
90000000	91010000	89000000	1.470000E-01	0.000000E+00	0.000000E+00	1000	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
90000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 91, C-91 PIPE , HAVING 3 VOLUMES AND 2 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
91010000	1.470000E-01	1.074000E+00	1.578780E-01	0.000000E+00	9.000000E+01	1.074000E+00
91020000	1.470000E-01	1.074000E+00	1.578780E-01	0.000000E+00	9.000000E+01	1.074000E+00
91030000	1.470000E-01	1.074000E+00	1.578780E-01	0.000000E+00	9.000000E+01	1.074000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
91010000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00
91020000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00
91030000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00

JUN.NO.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
91010000	1.470000E-01	0.000000E+00	0.000000E+00	1000	0.000000E+00	0.000000E+00	0.000000E+00
91020000	1.470000E-01	0.000000E+00	0.000000E+00	1000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 92, C-01-91 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
92000000	1000000	91000000	1.470000E-01	5.940000E-01	9.920000E-01	0	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
92000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 93, C-93 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
93010000	9.000000E+01	1.000000E+02	8.999999E+03	0.000000E+00	0.000000E+00	0.000000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
93010000	4.572000E-05	3.262806E+00	0	4	1.470000E+01	1.200000E+02	9.480000E-01

INPUT DATA FOR COMPONENT 94, RD VALVE , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
94000000	95010000	93000000	1.630000E-01	0.000000E+00	0.000000E+00	100	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
94000000	0.000000E+00	0.000000E+00	0.000000E+00

JUN.NO.	OPEN TRIP NO.	CLOSE TRIP NO.	TABLE NO.	SLOPE (1.0/SEC)	INITIAL POSITION
94000000	506	507	2	1.000000E+02	0.000000E+00

INPUT DATA FOR COMPONENT 95, C-95 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
95010000	2.010000E-01	5.100000E-01	1.025100E-01	0.000000E+00	0.000000E+00	0.000000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
95010000	1.500000E-04	5.058865E-01	0	3	1.470000E+01	1.200000E+02	0.000000E+00

INPUT DATA FOR COMPONENT 96, C-96 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
96010000	2.010000E-01	8.430000E-01	1.694430E-01	0.000000E+00	0.000000E+00	0.000000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
96010000	1.500000E-04	5.058865E-01	0	3	1.470000E+01	1.200000E+02	0.000000E+00

94000000 95010000 93000000 (FT2) 1.630000E-01 COEFFICIENT 0.000000E+00 COEFFICIENT 0.000000E+00 FLAGS 100 DISCHARGE COEF. 1.000000E+00 DISCHARGE COEF. 1.000000E+00

JUN.NO. INIT. LIQ. VEL. (FT/SEC) INIT. VAP. VEL. (FT/SEC) INTERFACE VEL. (FT/SEC)
94000000 0.000000E+00 0.000000E+00 0.000000E+00

JUN.NO. OPEN TRIP NO. CLOSE TRIP NO. TABLE NO. SLOPE (1.0/SEC) INITIAL POSITION
94000000 506 507 2 1.00000E+02 0.00000E+00

INPUT DATA FOR COMPONENT 95, C-95 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO. FLOW AREA (FT2) FLOW LENGTH (FT) VOLUME (FT3) HORIZ. ANGLE (DEG) VERT. ANGLE (DEG) ELEV. CHNG. (FT)

95010000 2.010000E-01 5.100000E-01 1.025100E-01 0.000000E+00 0.000000E+00 0.000000E+00

VOL NO. ROUGHNESS (FT) HYDRAULIC DIAM. (FT) VOLUME FLAGS INIT. COND. FLAG I.C.VALUE 1 I.C.VALUE 2 I.C.VALUE 3 I.C.VALUE 4
95010000 1.500000E-04 5.058865E-01 0 3 1.470000E+01 1.200000E+02 0.000000E+00

INPUT DATA FOR COMPONENT 96, C-96 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO. FLOW AREA (FT2) FLOW LENGTH (FT) VOLUME (FT3) HORIZ. ANGLE (DEG) VERT. ANGLE (DEG) ELEV. CHNG. (FT)
96010000 2.010000E-01 8.430000E-01 1.694430E-01 0.000000E+00 0.000000E+00 0.000000E+00

VOL NO. ROUGHNESS (FT) HYDRAULIC DIAM. (FT) VOLUME FLAGS INIT. COND. FLAG I.C.VALUE 1 I.C.VALUE 2 I.C.VALUE 3 I.C.VALUE 4
96010000 1.500000E-04 5.058865E-01 0 3 1.470000E+01 1.200000E+02 0.000000E+00

INPUT DATA FOR COMPONENT 97, C-97 BRANCH , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO. FLOW AREA (FT2) FLOW LENGTH (FT) VOLUME (FT3) HORIZ. ANGLE (DEG) VERT. ANGLE (DEG) ELEV. CHNG. (FT)
97010000 2.010000E-01 6.040000E-01 1.214040E-01 0.000000E+00 0.000000E+00 0.000000E+00

VOL NO. ROUGHNESS (FT) HYDRAULIC DIAM. (FT) VOLUME FLAGS INIT. COND. FLAG I.C.VALUE 1 I.C.VALUE 2 I.C.VALUE 3 I.C.VALUE 4
97010000 1.500000E-04 5.058865E-01 0 3 1.470000E+01 1.200000E+02 0.000000E+00 1.500000E-

INPUT DATA FOR COMPONENT 98, PR-2A VALVE , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL. TO VOL. JUNCTION AREA (FT2) FORWARD LOSS COEFFICIENT REVERSE LOSS COEFFICIENT JUNCTION FLAGS SUBCOOLED DISCHARGE COEF. TWO-PHASE DISCHARGE COEF.
98000000 198010000 36000000 1.700000E-02 0.000000E+00 0.000000E+00 100 1.000000E+00 1.000000E+00

JUN.NO. INIT. LIQ. VEL. (FT/SEC) INIT. VAP. VEL. (FT/SEC) INTERFACE VEL. (FT/SEC)
98000000 0.000000E+00 0.000000E+00 0.000000E+00

JUN.NO. CONTROL NUMBER TABLE NUMBER
98000000 1 0

INPUT DATA FOR COMPONENT 99, C-99 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO. FLOW AREA (FT2) FLOW LENGTH (FT) VOLUME (FT3) HORIZ. ANGLE (DEG) VERT. ANGLE (DEG) ELEV. CHNG. (FT)
99010000 1.470000E-01 8.000000E-01 1.176000E-01 0.000000E+00 0.000000E+00 0.000000E+00

VOL NO. ROUGHNESS (FT) HYDRAULIC DIAM. (FT) VOLUME FLAGS INIT. COND. FLAG I.C.VALUE 1 I.C.VALUE 2 I.C.VALUE 3 I.C.VALUE 4
99010000 1.500000E-04 4.326271E-01 0 2 2.686000E+03 1.000000E+00 0.000000E+00

INPUT DATA FOR COMPONENT 100, C-100 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL. TO VOL. JUNCTION AREA (FT2) FORWARD LOSS COEFFICIENT REVERSE LOSS COEFFICIENT JUNCTION FLAGS SUBCOOLED DISCHARGE COEF. TWO-PHASE DISCHARGE COEF.
100000000 101010000 99000000 1.470000E-01 0.000000E+00 0.000000E+00 1000 1.000000E+00 1.000000E+00

JUN.NO. INIT. LIQ. VEL. (FT/SEC) INIT. VAP. VEL. (FT/SEC) INTERFACE VEL. (FT/SEC)
100000000 0.000000E+00 0.000000E+00 0.000000E+00

INPUT DATA FOR COMPONENT 101, C-101 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO. FLOW AREA (FT2) FLOW LENGTH (FT) VOLUME (FT3) HORIZ. ANGLE (DEG) VERT. ANGLE (DEG) ELEV. CHNG. (FT)
101010000 1.470000E-01 5.890000E-01 8.658299E-02 0.000000E+00 0.000000E+00 0.000000E+00

VOL NO. ROUGHNESS (FT) HYDRAULIC DIAM. (FT) VOLUME FLAGS INIT. COND. FLAG I.C.VALUE 1 I.C.VALUE 2 I.C.VALUE 3 I.C.VALUE 4
101010000 1.500000E-04 4.326271E-01 0 2 2.686000E+03 1.000000E+00 0.000000E+00

INPUT DATA FOR COMPONENT 102, C1-103 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL. TO VOL. JUNCTION AREA (FT2) FORWARD LOSS COEFFICIENT REVERSE LOSS COEFFICIENT JUNCTION FLAGS SUBCOOLED DISCHARGE COEF. TWO-PHASE DISCHARGE COEF.
102000000 103010000 101000000 1.470000E-01 0.000000E+00 0.000000E+00 1000 1.000000E+00 1.000000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1 FLAG	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
99010000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 100, C-100 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
100000000	101010000	99000000	1.470000E-01	0.000000E+00	0.000000E+00	1000	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
100000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 101, C-101 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
101010000	1.470000E-01	5.890000E-01	8.658299E-02	0.000000E+00	0.000000E+00	0.000000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1 FLAG	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
101010000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 102, C1-103 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
102000000	103010000	101000000	1.470000E-01	1.600000E-01	1.600000E-01	1000	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
102000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 103, C-103 PIPE , HAVING 2 VOLUMES AND 1 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
103010000	1.470000E-01	6.840000E-01	1.005480E-01	0.000000E+00	0.000000E+00	0.000000E+00
103020000	1.470000E-01	6.380000E-01	9.378599E-02	0.000000E+00	0.000000E+00	0.000000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1 FLAG	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
103010000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00
103020000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00

JUN.NO.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
103010000	1.470000E-01	0.000000E+00	0.000000E+00	1000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 104, C5-103 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
104000000	105010000	103000000	1.470000E-01	1.600000E-01	1.600000E-01	1000	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
104000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 105, C-105 PIPE , HAVING 2 VOLUMES AND 1 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
105010000	1.470000E-01	1.031000E+00	1.515570E-01	0.000000E+00	0.000000E+00	0.000000E+00
105020000	1.470000E-01	1.031000E+00	1.515570E-01	0.000000E+00	0.000000E+00	0.000000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1 FLAG	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
105010000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00
105020000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00

JUN.NO.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
105010000	1.470000E-01	0.000000E+00	0.000000E+00	1000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 106, C7-105 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
106000000	107010000	105000000	1.470000E-01	0.000000E+00	0.000000E+00	1000	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
106000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 107, C-107 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
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INPUT DATA FOR COMPONENT 105, C-105 PIPE , HAVING 2 VOLUMES AND 1 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
105010000	1.470000E-01	1.031000E+00	1.515570E-01	0.000000E+00	0.000000E+00	0.000000E+00
105020000	1.470000E-01	1.031000E+00	1.515570E-01	0.000000E+00	0.000000E+00	0.000000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
105010000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00
105020000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00

JUN.NO.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
105010000	1.470000E-01	0.000000E+00	0.000000E+00	1000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 106, C7-105 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
106000000	107010000	105000000	1.470000E-01	0.000000E+00	0.000000E+00	1000	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
106000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 107, C-107 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
107010000	1.470000E-01	5.840000E-01	8.584799E-02	0.000000E+00	0.000000E+00	0.000000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
107010000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 108, C9-107 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
108000000	109010000	107000000	1.470000E-01	1.950000E-01	1.950000E-01	1000	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
108000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 109, C-109 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
109010000	1.470000E-01	7.850000E-01	1.153950E-01	0.000000E+00	0.000000E+00	0.000000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
109010000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 110, C11-109 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
110000000	111010000	109000000	1.470000E-01	0.000000E+00	0.000000E+00	1000	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
110000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 111, C-111 PIPE , HAVING 3 VOLUMES AND 2 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
111010000	1.470000E-01	1.074000E+00	1.578780E-01	0.000000E+00	9.000000E+01	1.074000E+00
111020000	1.470000E-01	1.074000E+00	1.578780E-01	0.000000E+00	9.000000E+01	1.074000E+00
111030000	1.470000E-01	1.074000E+00	1.578780E-01	0.000000E+00	9.000000E+01	1.074000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. COND. FLAGS	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
111010000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00
111020000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00
111030000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00

JUN.NO.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
111010000	1.470000E-01	0.000000E+00	0.000000E+00	1000	0.000000E+00	0.000000E+00	0.000000E+00
111020000	1.470000E-01	0.000000E+00	0.000000E+00	1000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 112, C13-111 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
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JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
11000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 111, C-111 PIPE , HAVING 3 VOLUMES AND 2 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
.11010000	1.470000E-01	1.074000E+00	1.578780E-01	0.000000E+00	9.000000E+01	1.074000E+00
.11020000	1.470000E-01	1.074000E+00	1.578780E-01	0.000000E+00	9.000000E+01	1.074000E+00
.11030000	1.470000E-01	1.074000E+00	1.578780E-01	0.000000E+00	9.000000E+01	1.074000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME FLAGS	INIT. COND. FLAG	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
.11010000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00	0.000000E+00
.11020000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00	0.000000E+00
.11030000	1.500000E-04	4.326271E-01	0	2	2.686000E+03	1.000000E+00	0.000000E+00	0.000000E+00

JUN.NO.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
.11010000	1.470000E-01	0.000000E+00	0.000000E+00	1000	0.000000E+00	0.000000E+00	0.000000E+00
.11020000	1.470000E-01	0.000000E+00	0.000000E+00	1000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 112, C13-111 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
.12000000	113000000 111000000	1.470000E-01	5.940000E-01	5.940000E-01	0	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
.12000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 113, C-113 TMOPVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
13010000	3.848000E+01	2.598000E+01	9.997103E+02	0.000000E+00	9.000000E+01	2.598000E+01

VOL.NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	EQUIL. FLAG
13010000	1.500000E-04	6.999590E+00	0

TABULAR DATA

TIME (SEC)	PRESSURE (LBF/IN2)	QUALITY
0.000000E+00	2.686000E+03	1.000000E+00
5.000000E-01	2.737000E+03	1.000000E+00
1.000000E+00	2.712000E+03	1.000000E+00

INPUT DATA FOR COMPONENT 114, C-114 PIPE , HAVING 3 VOLUMES AND 2 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
14010000	5.480000E-01	5.740000E-01	3.145520E-01	0.000000E+00	0.000000E+00	0.000000E+00
14020000	5.480000E-01	5.740000E-01	3.145520E-01	0.000000E+00	0.000000E+00	0.000000E+00
14030000	5.480000E-01	5.740000E-01	3.145520E-01	0.000000E+00	0.000000E+00	0.000000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME FLAGS	INIT. COND. FLAG	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
14010000	1.500000E-04	8.353055E-01	0	4	1.470000E+01	1.200000E+02	9.480000E-01	0.000000E+00
14020000	1.500000E-04	8.353055E-01	0	4	1.470000E+01	1.200000E+02	9.480000E-01	0.000000E+00
14030000	1.500000E-04	8.353055E-01	0	4	1.470000E+01	1.200000E+02	9.480000E-01	0.000000E+00

JUN.NO.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
14010000	5.480000E-01	0.000000E+00	0.000000E+00	1000	0.000000E+00	0.000000E+00	0.000000E+00
14020000	5.480000E-01	0.000000E+00	0.000000E+00	1000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 119, C-119 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
19000000	36010000 136000000	2.010000E-01	1.500000E-01	1.500000E-01	1000	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
19000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 120, C-120 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
20000000	136010000 97000000	2.010000E-01	0.000000E+00	0.000000E+00	100	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME FLAGS	INIT. COND. FLAG	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
14010000	1.500000E-04	8.353055E-01	0	4	1.470000E+01	1.200000E+02	9.480000E-01	0.000000E+00
14020000	1.500000E-04	8.353055E-01	0	4	1.470000E+01	1.200000E+02	9.480000E-01	0.000000E+00
14030000	1.500000E-04	8.353055E-01	0	4	1.470000E+01	1.200000E+02	9.480000E-01	0.000000E+00

JUN.NO.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
14010000	5.480000E-01	0.000000E+00	0.000000E+00	1000	0.000000E+00	0.000000E+00	0.000000E+00
14020000	5.480000E-01	0.000000E+00	0.000000E+00	1000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 119, C-119 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
19000000	36010000 136000000	2.010000E-01	1.500000E-01	1.500000E-01	1000	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
19000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 120, C-120 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
20000000	136010000 97000000	2.010000E-01	0.000000E+00	0.000000E+00	100	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
20000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 121, C-121 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
21000000	97010000 96000000	2.010000E-01	0.000000E+00	0.000000E+00	100	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
21000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 122, C-122 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
22000000	97010000 95000000	1.850000E-01	0.000000E+00	0.000000E+00	100	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
22000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 123, C-123 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO. FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
23000000	114010000 48000000	1.370000E-01	0.000000E+00	0.000000E+00	100	1.000000E+00	1.000000E+00

JUN.NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
23000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 136, C-136 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
36010000	2.010000E-01	8.540000E-01	1.716540E-01	0.000000E+00	0.000000E+00	0.000000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME FLAGS	INIT. COND. FLAG	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
36010000	1.500000E-04	5.058865E-01	0	3	1.470000E+01	1.200000E+02	0.000000E+00	

INPUT DATA FOR COMPONENT 178, V-CASE SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
78010000	1.700000E-02	9.200000E-01	1.564000E-02	0.000000E+00	0.000000E+00	0.000000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME FLAGS	INIT. COND. FLAG	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
78010000	5.000000E-05	1.471226E-01	11	2	2.686000E+03	1.000000E+00	0.000000E+00	

INPUT DATA FOR COMPONENT 193, C-193 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
93010000	9.000000E+01	1.000000E+02	8.999999E+03	0.000000E+00	0.000000E+00	0.000000E+00

VOL NO.	ROUGHNESS	HYDRAULIC DIAM.	VOLUME	INIT. COND.	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4
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23000000

0.000000E+00

0.000000E+00

0.000000E+00

INPUT DATA FOR COMPONENT 136, C-136 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)			
36010000	2.010000E-01	8.540000E-01	1.716540E-01	0.000000E+00	0.000000E+00	0.000000E+00			
VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. FLAGS	COND. FLAG	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4	
36010000	1.500000E-04	5.058865E-01	0	3	1.470000E+01	1.200000E+02	0.000000E+00		

INPUT DATA FOR COMPONENT 178, V-CASE SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)			
78010000	1.700000E-02	9.200000E-01	1.564000E-02	0.000000E+00	0.000000E+00	0.000000E+00			
VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. FLAGS	COND. FLAG	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4	
78010000	5.000000E-05	1.471226E-01	11	2	2.686000E+03	1.000000E+00	0.000000E+00		

INPUT DATA FOR COMPONENT 193, C-193 SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)			
93010000	9.000000E+01	1.000000E+02	8.999999E+03	0.000000E+00	0.000000E+00	0.000000E+00			
VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. FLAGS	COND. FLAG	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4	
93010000	4.572000E-05	3.262806E+00	0	4	1.470000E+01	1.200000E+02	9.480000E-01	0.000000E+0	

INPUT DATA FOR COMPONENT 194, RD VALVE , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
94000000	195010000	193000000	1.630000E-01	0.000000E+00	0.000000E+00	100	1.000000E+00	1.000000E+00
JUN.NO.			INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)			
94000000			0.000000E+00	0.000000E+00	0.000000E+00			
JUN.NO.			OPEN TRIP NO.	CLOSE TRIP NO.	TABLE NO.	SLOPE (1.0/SEC)	INITIAL POSITION	
94000000			508	509	2	1.000000E+02	0.000000E+00	

INPUT DATA FOR COMPONENT 195, C-195 PIPE , HAVING 2 VOLUMES AND 1 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)			
95010000	2.010000E-01	6.200000E-01	1.246200E-01	0.000000E+00	0.000000E+00	0.000000E+00			
95020000	1.880000E-01	6.200000E-01	1.165600E-01	0.000000E+00	0.000000E+00	0.000000E+00			
VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. FLAGS	COND. FLAG	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4	
95010000	1.500000E-04	5.058865E-01	0	3	1.470000E+01	1.200000E+02	0.000000E+00	0.000000E+0	
95020000	1.500000E-04	4.892535E-01	0	4	1.470000E+01	1.200000E+02	9.480000E-01	0.000000E+0	
JUN.NO.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)		
95010000	1.880000E-01	1.500000E-01	1.500000E-01	0	0.000000E+00	0.000000E+00	0.000000E+00		

INPUT DATA FOR COMPONENT 196, C-44-195 SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
96000000	44010000	195000000	2.010000E-01	0.000000E+00	0.000000E+00	100	1.000000E+00	1.000000E+00
JUN.NO.			INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)			
96000000			0.000000E+00	0.000000E+00	0.000000E+00			

INPUT DATA FOR COMPONENT 198, V-CASE SNGLVOL , HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT2)	FLOW LENGTH (FT)	VOLUME (FT3)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)			
98010000	1.700000E-02	9.200000E-01	1.564000E-02	0.000000E+00	0.000000E+00	0.000000E+00			
VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME INIT. FLAGS	COND. FLAG	I.C.VALUE 1	I.C.VALUE 2	I.C.VALUE 3	I.C.VALUE 4	
98010000	5.000000E-05	1.471226E-01	11	2	2.686000E+03	1.000000E+00	0.000000E+00		

INPUT DATA FOR COMPONENT 278, V-INLET SNGLJUN , HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN.NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT2)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
78000000	79010000	178000000	1.700000E-02	0.000000E+00	0.000000E+00	100	1.000000E+00	1.000000E+00

INPUT DATA FOR COMPONENT 196, C-44-196 SNGLJUN, HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN. NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT ²)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
96000000	44010000	195000000	2.618000E-01	0.000000E+00	0.000000E+00	100	1.000000E+00	1.000000E+00

JUN. NO.	INIT. LIQ. VEL. (FT/SEC)	INIT. VAP. VEL. (FT/SEC)	INTERFACE VEL. (FT/SEC)
96000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 199, V-CASE SNGLVOL, HAVING 1 VOLUMES AND 0 JUNCTIONS

VOL NO.	FLOW AREA (FT ²)	FLOW LENGTH (FT)	VOLUME (FT ³)	HORIZ. ANGLE (DEG)	VERT. ANGLE (DEG)	ELEV. CHNG. (FT)
98010000	1.700000E-02	9.200000E-01	1.564000E-02	0.000000E+00	0.000000E+00	0.000000E+00

VOL NO.	ROUGHNESS (FT)	HYDRAULIC DIAM. (FT)	VOLUME FLAGS	INIT. COND. FLAG	I.C. VALUE 1	I.C. VALUE 2	I.C. VALUE 3	I.C. VALUE 4
98010000	5.000000E-05	1.471226E-01	11	2	2.686000E+03	1.000000E+00	0.000000E+00	

INPUT DATA FOR COMPONENT 278, V-INLET SNGLJUN, HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN. NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT ²)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
78000000	79010000	178000000	1.700000E-02	0.000000E+00	0.000000E+00	100	1.000000E+00	1.000000E+00

JUN. NO.	INIT. LIQ. FLOW (LBM/SEC)	INIT. VAP. FLOW (LBM/SEC)	INTERFACE VEL. (FT/SEC)
78000000	0.000000E+00	0.000000E+00	0.000000E+00

INPUT DATA FOR COMPONENT 298, V-INLET SNGLJUN, HAVING 0 VOLUMES AND 1 JUNCTIONS

JUN. NO.	FROM VOL.	TO VOL.	JUNCTION AREA (FT ²)	FORWARD LOSS COEFFICIENT	REVERSE LOSS COEFFICIENT	JUNCTION FLAGS	SUBCOOLED DISCHARGE COEF.	TWO-PHASE DISCHARGE COEF.
98000000	99010000	198000000	1.700000E-02	0.000000E+00	0.000000E+00	100	1.000000E+00	1.000000E+00

JUN. NO.	INIT. LIQ. FLOW (LBM/SEC)	INIT. VAP. FLOW (LBM/SEC)	INTERFACE VEL. (FT/SEC)
98000000	0.000000E+00	0.000000E+00	0.000000E+00

EDIT OF GENERAL TABLE INPUT

GENERAL TABLE NO. 2

TABLE IS NORMALIZED AREA VERSUS NORMALIZED LENGTH, NORM. LENGTH FACTOR IS 1.000000E+00, NORM. AREA IS 1.000000E+00.

(AS INPUT)	(AS INPUT)	NORM. LENGTH	NORM. AREA	NORM. LENGTH	NORM. AREA
0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00

GENERAL TABLE NO. 210

TABLE IS REACTIVITY VERSUS TIME, TIME FACTOR IS 1.000000E+00, REACTIVITY FACTOR IS 1.000000E+00.

TIME (AS INPUT)	REACTIVITY (AS INPUT)	TIME (SEC)	REACTIVITY (DOLLARS)
0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
1.500000E-02	1.000000E+00	1.500000E-02	1.000000E+00
9.000000E+00	1.000000E+00	9.000000E+00	1.000000E+00

EDIT OF CONTROL COMPONENT INPUT DATA

CONTROL COMPONENT 1 PSV TYPE = FUNCTION
 Y = 1.0000 *FUNCTION (TIME 0)
 FUNCTION IS DEFINED BY GENERAL TABLE 210
 INITIALIZATION FLAG IS OFF, INPUT INITIAL VALUE IS 0.000000

EDIT TRIP DATA

TRIP NO.	LEFT VAR. CODE	PARAMETER	REL.	RIGHT VAR. CODE	PARAMETER	CONSTANT	LATCH
505	TIME	0	GT	NULL	0	1.100000E+00	LATCH
506	P	95010000	GE	NULL	0	2.850000E+02	LATCH
507	P	95010000	LT	NULL	0	5.000000E-02	LATCH
508	P	195020000	GE	NULL	0	2.850000E+02	LATCH

0.000000E+00 1.000000E+00 0.000000E+00 0.000000E+00
 1.500000E-02 1.000000E+00 1.500000E-02 1.000000E+00
 9.000000E+00 1.000000E+00 9.000000E+00 1.000000E+00

EDIT OF CONTROL COMPONENT INPUT DATA

CONTROL COMPONENT 1 PSV TYPE = FUNCTION

Y = 1.0000 *FUNCTION (TIME 0)

FUNCTION IS DEFINED BY GENERAL TABLE 210

INITIALIZATION FLAG IS OFF, INPUT INITIAL VALUE IS 0.000000

EDIT TRIP DATA

TRIP NO.	LEFT VAR.	CODE	PARAMETER	REL.	RIGHT VAR.	CODE	PARAMETER	CONSTANT	
505	TIME		0	GT	NULL		0	1.100000E+00	LATCH
506	P		95010000	GE	NULL		0	2.850000E+02	LATCH
507	P		95010000	LT	NULL		0	5.000000E-02	LATCH
508	P		195020000	GE	NULL		0	2.850000E+02	LATCH
509	P		195020000	LT	NULL		0	5.000000E-02	LATCH

TRANSIENT ADVANCEMENT WILL BE TERMINATED BY TRIP 505.

EDIT OF HYDRODYNAMIC COMPONENTS AFTER INPUT PROCESSING

NUMBER OF VOLUMES = 222, NUMBER OF JUNCTIONS = 223.

TOTAL SYSTEM MASS = 3.89438E+04 LB, TOTAL SYSTEM VOLUME = 1.88761E+04 FT3

VOL.NO.	PRESSURE (LBF/IN2)	INT. ENERGY (BTU/LB)	STATIC QUAL.	EQU.QUAL.	VOIDG	TEMPF (DEGF)	TEMPG (DEGF)	TEMPE (DEGF)	VOLUME FLAGS
1010000	2.68600E+03	1.01470E+03	1.00000E+00	1.00000E+00	1.00000E+00	6.78752E+02	6.78752E+02	6.78752E+02	10
36010000	1.47000E+01	1.89109E+02	1.00000E-02	1.00000E-02	9.41817E-01	2.12014E+02	2.12014E+02	2.12014E+02	10
36020000	1.47000E+01	1.89109E+02	1.00000E-02	1.00000E-02	9.41817E-01	2.12014E+02	2.12014E+02	2.12014E+02	10
36030000	1.47000E+01	1.72279E+02	0.00000E+00	0.00000E+00	0.00000E+00	2.04200E+02	2.04200E+02	2.04200E+02	10
38010000	1.47000E+01	2.14343E+02	1.00000E+00	1.00000E+00	1.00000E+00	1.07577E+02	1.20000E+02	1.20000E+02	0
38020000	1.47000E+01	2.14343E+02	1.00000E+00	1.00000E+00	1.00000E+00	1.07577E+02	1.20000E+02	1.20000E+02	0

62020000	6.63601E-02	6.18979E-01	6.63601E-02	5.48000E-01	7.55539E-01	2.14343E-02
64010000	6.17146E-01	6.17146E-01	3.73246E-02	9.84200E-01	8.79566E-01	1.07760E-03
66010000	6.17146E-01	6.17146E-01	3.73246E-02	8.22000E-01	8.79566E-01	1.07760E-03
68010000	6.17146E-01	6.17146E-01	3.73246E-02	8.22000E-01	8.79566E-01	1.07760E-03
69010000	6.17146E-01	6.17146E-01	3.73246E-02	2.23584E-00	8.79566E-01	1.07760E-03
70010000	6.17146E-01	6.17146E-01	3.73246E-02	2.23584E-00	8.79566E-01	1.07760E-03
71010000	6.17146E-01	6.17146E-01	3.73246E-02	2.23584E-00	8.79566E-01	1.07760E-03
73010000	6.17146E-01	6.17146E-01	3.73246E-02	6.80333E-02	8.79566E-01	1.07760E-03
75010000	6.63601E-02	6.18979E-01	6.63601E-02	1.99982E-02	7.55539E-01	2.14343E-02
76010000	3.51530E-00	5.98133E-01	3.73246E-02	1.00500E-01	1.80134E-02	1.07760E-03
76020000	3.51530E-00	5.98133E-01	3.73246E-02	1.00500E-01	1.80134E-02	1.07760E-03
76030000	6.00066E-01	6.00066E-01	3.73246E-02	1.00500E-01	1.72279E-02	1.07760E-03
76040000	6.00066E-01	6.00066E-01	3.73246E-02	1.00500E-01	1.72279E-02	1.07760E-03
79010000	8.83310E-00	3.31670E-01	8.83310E-00	1.17600E-01	7.40764E-02	1.01470E-03

81010000	8.83310E-00	3.31670E-01	8.83310E-00	8.65830E-02	7.40764E-02	1.01470E-03
83010000	8.83310E-00	3.31670E-01	8.83310E-00	7.93800E-02	7.40764E-02	1.01470E-03
83020000	8.83310E-00	3.31670E-01	8.83310E-00	9.37860E-02	7.40764E-02	1.01470E-03
85010000	8.83310E-00	3.31670E-01	8.83310E-00	1.03341E-01	7.40764E-02	1.01470E-03
85020000	8.83310E-00	3.31670E-01	8.83310E-00	1.03341E-01	7.40764E-02	1.01470E-03
87010000	8.83310E-00	3.31670E-01	8.83310E-00	8.58480E-02	7.40764E-02	1.01470E-03
89010000	8.83310E-00	3.31670E-01	8.83310E-00	1.15395E-01	7.40764E-02	1.01470E-03
91010000	8.83310E-00	3.31670E-01	8.83310E-00	1.57878E-01	7.40764E-02	1.01470E-03
91020000	8.83310E-00	3.31670E-01	8.83310E-00	1.57878E-01	7.40764E-02	1.01470E-03
91030000	8.83310E-00	3.31670E-01	8.83310E-00	1.57878E-01	7.40764E-02	1.01470E-03
93010000	6.63601E-02	6.18979E-01	6.63601E-02	9.00000E-03	7.55539E-01	2.14343E-02
95010000	6.17146E-01	6.17146E-01	3.73246E-02	1.02510E-01	8.79566E-01	1.07760E-03
96010000	6.17146E-01	6.17146E-01	3.73246E-02	1.69443E-01	8.79566E-01	1.07760E-03
97010000	6.17146E-01	6.17146E-01	3.73246E-02	1.21404E-01	8.79566E-01	1.07760E-03
99010000	8.83310E-00	3.31670E-01	8.83310E-00	1.17600E-01	7.40764E-02	1.01470E-03
101010000	8.83310E-00	3.31670E-01	8.83310E-00	8.65830E-02	7.40764E-02	1.01470E-03
103010000	8.83310E-00	3.31670E-01	8.83310E-00	1.00548E-01	7.40764E-02	1.01470E-03
103020000	8.83310E-00	3.31670E-01	8.83310E-00	9.37860E-02	7.40764E-02	1.01470E-03
105010000	8.83310E-00	3.31670E-01	8.83310E-00	1.51557E-01	7.40764E-02	1.01470E-03
105020000	8.83310E-00	3.31670E-01	8.83310E-00	1.51557E-01	7.40764E-02	1.01470E-03
107010000	8.83310E-00	3.31670E-01	8.83310E-00	8.58480E-02	7.40764E-02	1.01470E-03
109010000	8.83310E-00	3.31670E-01	8.83310E-00	1.15395E-01	7.40764E-02	1.01470E-03
111010000	8.83310E-00	3.31670E-01	8.83310E-00	1.57878E-01	7.40764E-02	1.01470E-03
111020000	8.83310E-00	3.31670E-01	8.83310E-00	1.57878E-01	7.40764E-02	1.01470E-03
111030000	8.83310E-00	3.31670E-01	8.83310E-00	1.57878E-01	7.40764E-02	1.01470E-03
113010000	8.83310E-00	3.31670E-01	8.83310E-00	9.00000E-03	7.40764E-02	1.01470E-03
114010000	6.63601E-02	6.18979E-01	6.63601E-02	3.14552E-01	7.55539E-01	2.14343E-02
114020000	6.63601E-02	6.18979E-01	6.63601E-02	3.14552E-01	7.55539E-01	2.14343E-02
114030000	6.63601E-02	6.18979E-01	6.63601E-02	3.14552E-01	7.55539E-01	2.14343E-02
136010000	6.17146E-01	6.17146E-01	3.73246E-02	1.71554E-01	8.79566E-01	1.07760E-03
178010000	8.83310E-00	3.31670E-01	8.83310E-00	1.56400E-02	7.40764E-02	1.01470E-03
193010000	6.63601E-02	6.18979E-01	6.63601E-02	9.00000E-03	7.55539E-01	2.14343E-02
195010000	6.17146E-01	6.17146E-01	3.73246E-02	1.24620E-01	8.79566E-01	1.07760E-03
195020000	6.63601E-02	6.18979E-01	6.63601E-02	1.16560E-01	7.55539E-01	2.14343E-02
198010000	8.83310E-00	3.31670E-01	8.83310E-00	1.56400E-02	7.40764E-02	1.01470E-03

JUN.NO.	FROM VOL.	TO VOL.	LIG. VEL. (FT/SEC)	VAP. VEL. (FT/SEC)	MASS FLOW (LB/SEC)	JUN.AREA (FT2)	THROAT RATIO	JUNCTION FLAGS	CHOKE FLAG
36010000	36010000	36020000	0.00000E+00	0.00000E+00	0.00000E+00	2.01000E-01	1.00000E+00	1000	0
36020000	36020000	36030000	0.00000E+00	0.00000E+00	5.00000E+00	2.01000E-01	1.00000E+00	1000	0
37000000	96010000	40010000	0.00000E+00	0.00000E+00	0.00000E+00	2.01000E-01	1.00000E+00	0	0
38010000	38010000	38020000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
38020000	38020000	38030000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
38030000	38030000	38040000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
38040000	38040000	38050000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
38050000	38050000	38060000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
38060000	38060000	38070000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
39000000	40010000	38010000	0.00000E+00	0.00000E+00	0.00000E+00	3.75000E-01	1.00000E+00	1000	0
41000000	38070000	42010000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
43000000	42010000	44010000	0.00000E+00	0.00000E+00	0.00000E+00	2.01000E-01	1.00000E+00	100	0
45000000	44010000	46010000	0.00000E+00	0.00000E+00	0.00000E+00	2.01000E-01	1.00000E+00	100	0
46010000	46010000	46020000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
46020000	46020000	46030000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
47000000	46030000	114010000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
48010000	48010000	48020000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
48020000	48020000	48030000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
48030000	48030000	48040000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
48040000	48040000	48050000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
48050000	48050000	48060000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
48060000	48060000	48070000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0

48070000	48070000	48080000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
48080000	48080000	48090000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
49000000	48090000	50010000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
50010000	50010000	50020000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
50020000	50020000	50030000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
50030000	50030000	50040000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
50040000	50040000	50050000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
51000000	50050000	52010000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
53000000	52010000	54010000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
54010000	54010000	54020000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
54020000	54020000	54030000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
54030000	54030000	54040000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
54040000	54040000	54050000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0
54050000	54050000	54060000	0.00000E+00	0.00000E+00	0.00000E+00	5.48000E-01	1.00000E+00	1000	0

103010000	3.31670E+01	8.83310E+00	7.40764E+02	1.01470E+03
104000000	3.31670E+01	8.83310E+00	7.40764E+02	1.01470E+03
105010000	3.31670E+01	8.83310E+00	7.40764E+02	1.01470E+03
106000000	3.31670E+01	8.83310E+00	7.40764E+02	1.01470E+03
108000000	3.31670E+01	8.83310E+00	7.40764E+02	1.01470E+03
110000000	3.31670E+01	8.83310E+00	7.40764E+02	1.01470E+03
111010000	3.31670E+01	8.83310E+00	7.40764E+02	1.01470E+03
111020000	3.31670E+01	8.83310E+00	7.40764E+02	1.01470E+03
112000000	3.31670E+01	8.83310E+00	7.40764E+02	1.01470E+03
114010000	6.18979E+01	6.63601E-02	7.55539E+01	2.14343E+02
114020000	6.18979E+01	6.63601E-02	7.55539E+01	2.14343E+02
119000000	6.09452E+01	3.73246E-02	8.79566E+01	1.07760E+03
120000000	6.17146E+01	3.73246E-02	8.79566E+01	1.07760E+03
121000000	6.17146E+01	3.73246E-02	8.79566E+01	1.07760E+03

122000000	6.17146E+01	3.73246E-02	8.79566E+01	1.07760E+03
123000000	6.18979E+01	6.63601E-02	7.55539E+01	2.14343E+02
194000000	6.18979E+01	6.63601E-02	7.55539E+01	2.14343E+02
195010000	6.17146E+01	6.63601E-02	8.79566E+01	2.14343E+02
196000000	6.17146E+01	3.73246E-02	8.79566E+01	1.07760E+03
278000000	3.31670E+01	8.83310E+00	7.40764E+02	1.01470E+03
298000000	3.31670E+01	8.83310E+00	7.40764E+02	1.01470E+03

***** FORCE COMPONENT CROSS REFERENCE *****

VOLUME CROSS REFERENCE

FORCE VOL. NO.	VOL. NO.
1	1010000
2	36010000
3	36020000
4	36030000
5	38010000
6	38020000
7	38030000
8	38040000

..... FORCE COMPONENT CROSS REFERENCE

VOLUME CROSS REFERENCE

FORCE VOL. NO.	VOL. NO.
1	1010000
2	36010000
3	36020000
4	36030000
5	38010000
6	38020000
7	38030000
8	38040000
9	38050000
10	38060000
11	38070000
12	40010000
13	42010000
14	44010000
15	46010000
16	46020000
17	46030000
18	48010000
19	48020000
20	48030000
21	48040000
22	48050000
23	48060000
24	48070000
25	48080000
26	48090000
27	50010000
28	50020000
29	50030000
30	50040000
31	50050000
32	52010000
33	54010000
34	54020000
35	54030000
36	54040000
37	54050000
38	54060000
39	54070000
40	54080000
41	54090000
42	54100000
43	54110000
44	54120000
45	54130000
46	54140000
47	54150000
48	54160000
49	54170000
50	54180000
51	54190000
52	54200000
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60	54280000
61	54290000
62	54300000
63	54310000
64	54320000
65	54330000
66	54340000
67	54350000
68	54360000
69	54370000

40 54080000
41 54090000
42 54100000
43 54110000
44 54120000
45 54130000
46 54140000
47 54150000
48 54160000
49 54170000
50 54180000
51 54190000
52 54200000
53 54210000

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62 54300000
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91 54590000
92 54600000
93 54610000
94 54620000
95 54630000
96 54640000
97 54650000
98 54660000
99 54670000
100 54680000
101 54690000
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103 54710000
104 54720000
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108 54760000
109 54770000
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112 54800000
113 54810000

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121 54890000
122 54900000
123 54910000
124 54920000
125 54930000
126 54940000
127 54950000

100	54680000
101	54690000
102	54700000
103	54710000
104	54720000
105	54730000
106	54740000
107	54750000
108	54760000
109	54770000
110	54780000
111	54790000
112	54800000
113	54810000

114	54820000
115	54830000
116	54840000
117	54850000
118	54860000
119	54870000
120	54880000
121	54890000
122	54900000
123	54910000
124	54920000
125	54930000
126	54940000
127	54950000
128	56010000
129	56020000
130	56030000
131	56040000
132	56050000
133	56060000
134	56070000
135	56080000
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137	56100000
138	56110000
139	56120000
140	56130000
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142	56150000
143	56160000
144	56170000
145	56180000
146	56190000
147	56200000
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149	56220000
150	56230000
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152	56250000
153	56260000
154	56270000
155	56280000
156	56290000
157	56300000
158	56310000
159	56320000
160	56330000
161	56340000
162	56350000
163	58010000
164	58020000
165	58030000
166	58040000
167	58050000
168	58060000
169	58070000
170	60010000
171	60020000
172	60030000
173	62010000

174	62020000
175	64010000
176	66010000
177	68010000
178	69010000
179	70010000
180	71010000
181	73010000
182	75010000
183	76010000
184	76020000
185	76030000
186	76040000
187	79010000
188	81010000

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161 56340000
162 56350000
163 58010000
164 58020000
165 58030000
166 58040000
167 58050000
168 58060000
169 58070000
170 60010000
171 60020000
172 60030000
173 62010000

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176 66010000
177 68010000
178 69010000
179 70010000
180 71010000
181 73010000
182 75010000
183 76010000
184 76020000
185 76030000
186 76040000
187 79010000
188 81010000
189 83010000
190 83020000
191 85010000
192 85020000
193 87010000
194 89010000
195 91010000
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198 93010000
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201 97010000
202 99010000
203 101010000
204 103010000
205 103020000
206 105010000
207 105020000
208 107010000
209 109010000
210 111010000
211 111020000
212 111030000
213 113010000
214 114010000
215 114020000
216 114030000
217 136010000
218 178010000
219 193010000
220 195010000
221 195020000
222 198010000

***** FORCE COMPONENT CROSS REFERENCE *****

JUNCTION CROSS REFERENCE

FORCE JUN. NO.	JUN. NO.	FROM VOL.	TO VOL.
1	36010000	36010000	36020000
2	36020000	36020000	36030000
3	37000000	96010000	40010000
4	38010000	38010000	38020000
5	38020000	38020000	38030000

221 195020000
222 198010000

***** FORCE COMPONENT CROSS REFERENCE *****

JUNCTION CROSS REFERENCE

FORCE JUN. NO.	JUN. NO.	FROM VOL.	TO VOL.
1	36010000	36010000	36020000
2	36020000	36020000	36030000
3	37000000	96010000	40010000
4	38010000	38010000	38020000
5	38020000	38020000	38030000
6	38030000	38030000	38040000
7	38040000	38040000	38050000
8	38050000	38050000	38060000
9	38060000	38060000	38070000
10	39000000	40010000	38010000
11	41000000	38070000	42010000
12	43000000	42010000	44010000
13	45000000	44010000	46010000
14	46010000	46010000	46020000
15	46020000	46020000	46030000
16	47000000	46030000	114010000
17	48010000	48010000	48020000
18	48020000	48020000	48030000
19	48030000	48030000	48040000
20	48040000	48040000	48050000
21	48050000	48050000	48060000
22	48060000	48060000	48070000
23	48070000	48070000	48080000
24	48080000	48080000	48090000
25	49000000	48090000	50010000
26	50010000	50010000	50020000
27	50020000	50020000	50030000
28	50030000	50030000	50040000
29	50040000	50040000	50050000
30	51000000	50050000	52010000
31	53000000	52010000	54010000
32	54010000	54010000	54020000
33	54020000	54020000	54030000
34	54030000	54030000	54040000
35	54040000	54040000	54050000
36	54050000	54050000	54060000
37	54060000	54060000	54070000
38	54070000	54070000	54080000
39	54080000	54080000	54090000
40	54090000	54090000	54100000
41	54100000	54100000	54110000
42	54110000	54110000	54120000
43	54120000	54120000	54130000
44	54130000	54130000	54140000
45	54140000	54140000	54150000
46	54150000	54150000	54160000
47	54160000	54160000	54170000
48	54170000	54170000	54180000
49	54180000	54180000	54190000
50	54190000	54190000	54200000
51	54200000	54200000	54210000

52	54210000	54210000	54220000
53	54220000	54220000	54230000
54	54230000	54230000	54240000
55	54240000	54240000	54250000
56	54250000	54250000	54260000
57	54260000	54260000	54270000
58	54270000	54270000	54280000
59	54280000	54280000	54290000
60	54290000	54290000	54300000
61	54300000	54300000	54310000
62	54310000	54310000	54320000
63	54320000	54320000	54330000
64	54330000	54330000	54340000
65	54340000	54340000	54350000
66	54350000	54350000	54360000

38	54070000	54070000	54080000
39	54080000	54080000	54090000
40	54090000	54090000	54100000
41	54100000	54100000	54110000
42	54110000	54110000	54120000
43	54120000	54120000	54130000
44	54130000	54130000	54140000
45	54140000	54140000	54150000
46	54150000	54150000	54160000
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49	54180000	54180000	54190000
50	54190000	54190000	54200000
51	54200000	54200000	54210000

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53	54220000	54220000	54230000
54	54230000	54230000	54240000
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57	54260000	54260000	54270000
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63	54320000	54320000	54330000
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68	54370000	54370000	54380000
69	54380000	54380000	54390000
70	54390000	54390000	54400000
71	54400000	54400000	54410000
72	54410000	54410000	54420000
73	54420000	54420000	54430000
74	54430000	54430000	54440000
75	54440000	54440000	54450000
76	54450000	54450000	54460000
77	54460000	54460000	54470000
78	54470000	54470000	54480000
79	54480000	54480000	54490000
80	54490000	54490000	54500000
81	54500000	54500000	54510000
82	54510000	54510000	54520000
83	54520000	54520000	54530000
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85	54540000	54540000	54550000
86	54550000	54550000	54560000
87	54560000	54560000	54570000
88	54570000	54570000	54580000
89	54580000	54580000	54590000
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112	54810000	54810000	54820000
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114	54830000	54830000	54840000
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125	54940000	54940000	54950000

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101	54700000	54700000	54710000
102	54710000	54710000	54720000
103	54720000	54720000	54730000
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108	54770000	54770000	54780000
109	54780000	54780000	54790000
110	54790000	54790000	54800000
111	54800000	54800000	54810000

112	54810000	54810000	54820000
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114	54830000	54830000	54840000
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119	54880000	54880000	54890000
120	54890000	54890000	54900000
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122	54910000	54910000	54920000
123	54920000	54920000	54930000
124	54930000	54930000	54940000
125	54940000	54940000	54950000
126	55000000	54950000	56010000
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135	56090000	56090000	56100000
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139	56130000	56130000	56140000
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159	56330000	56330000	56340000
160	56340000	56340000	56350000
161	57000000	56350000	58010000
162	58010000	58010000	58020000
163	58020000	58020000	58030000
164	58030000	58030000	58040000
165	58040000	58040000	58050000
166	58050000	58050000	58060000
167	58060000	58060000	58070000
168	59000000	58070000	60010000
169	60010000	60010000	60020000
170	60020000	60020000	60030000
171	61000000	60030000	62010000

172	62010000	62010000	62020000
173	63000000	62020000	64010000
174	65000000	64010000	66010000
175	67000000	66010000	68010000
176	69010000	68010000	69010000
177	69020000	69010000	73010000
178	69030000	69010000	70010000
179	70010000	70010000	73010000
180	70020000	70010000	71010000
181	72000000	71010000	73010000
182	74000000	73010000	75010000
183	76010000	76010000	76020000
184	76020000	76020000	76030000
185	76030000	76030000	76040000
186	77000000	76040000	44010000

158	56320000	56220000	56330000
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160	56340000	56340000	56350000
161	57000000	56350000	58010000
162	58010000	58010000	58020000
163	58020000	58020000	58030000
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165	58040000	58040000	58050000
166	58050000	58050000	58060000
167	58060000	58060000	58070000
168	59000000	58070000	60010000
169	60010000	60010000	60020000
170	60020000	60020000	60030000
171	61000000	60030000	62010000

172	62010000	62010000	62020000
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174	65000000	64010000	66010000
175	67000000	66010000	68010000
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177	69020000	69010000	73010000
178	69030000	69010000	70010000
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181	72000000	71010000	73010000
182	74000000	73010000	75010000
183	76010000	76010000	76020000
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189	82000000	83020000	81010000
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191	84000000	83020000	85010000
192	85010000	85010000	85020000
193	86000000	87010000	85010000
194	88000000	89010000	87010000
195	90000000	91030000	89010000
196	91010000	91010000	91020000
197	91020000	91020000	91030000
198	92000000	1010000	91010000
199	94000000	95010000	93010000
200	98000000	198010000	36010000
201	100000000	101010000	99010000
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203	103010000	103010000	103020000
204	104000000	105020000	103010000
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206	106000000	107010000	105010000
207	108000000	109010000	107010000
208	110000000	111030000	109010000
209	111010000	111010000	111020000
210	111020000	111020000	111030000
211	112000000	113010000	111010000
212	114010000	114010000	114020000
213	114020000	114020000	114030000
214	119000000	36030000	136010000
215	120000000	136010000	97010000
216	121000000	97010000	96010000
217	122000000	97010000	95010000
218	123000000	114030000	48010000
219	194000000	195020000	193010000
220	155010000	195010000	195020000
221	196000000	44010000	195010000
222	278000000	79010000	178010000
223	298000000	99010000	198010000

\$\$\$ INPUT PROCESSING COMPLETED SUCCESSFULLY \$\$\$

LIST OF DYNAMIC STORAGE INFORMATION FOR TRANSIENT CALCULATION

NUM.	FILID	FILE INDEX	FILE SIZE
2	3.	13569	5
3	6.	13574	535

4	7.	14109	13544
5	8.	27653	7807
6	-11.	202	13367
7	-17.	47643	9274
10	12.	35460	884
11	9.	36358	21
12	-4.	-4	91
13	-16.	47640	-3
16	-14.	36379	2753
17	-15.	40960	6680
18	5.	39132	42
20	13.	39174	1786
27	10.	36344	14

218	123000000	114000000	48010000
219	194000000	195020000	193010000
220	195010000	195010000	195020000
221	196000000	44010000	195010000
222	278000000	79010000	178010000
223	298000000	99010000	195010000

\$\$\$ INPUT PROCESSING COMPLETED SUCCESSFULLY \$\$\$

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7	-17.	47643	9274
10	12.	35460	884
11	9.	36358	21
12	-4.	-4	91
13	-16.	47640	-3
16	-14.	36379	2753
17	-15.	40960	6680
18	5.	39132	42
20	13.	39174	1786
27	10.	36344	14

ATTEMPTED ADV: TOT.=	0	EDIT=	0	MIN.DT=	0.000000	SEC	LAST DT=	1.000000E-03	SEC	MS.ERR=	0.000000	LB
REPEATED ADV: TOT.=	0	EDIT=	0	MAX.DT=	0.000000	SEC	CRNT.DT=	0.000000	SEC	TOT.MS=	38943.8	LB
SUCCESSFUL ADV: TOT.=	0	EDIT=	0	AVG.DT=	0.000000	SEC	ERR.EST=	0.000000		M.PATN=	0.000000	
REQUESTED ADV: TOT.=	0	EDIT=	0	REQ.DT=	1.000000E-03	SEC	CPU=	3.56229	SEC	TIME=	0.000000	SEC

TRIP NUMBER	TRIP TIME (SEC)
505	-1.0000
506	-1.0000
507	-1.0000
508	-1.0000
509	-1.0000

VOL.NO.	PRESSURE (LRF/IN2)	INT. ENERGY (BTU/LB)	STATIC QUAL.	NONCOND VAPOR QUAL.	EGU. QUAL.	VOIDG	TEMPF (DEGF)	TEMPG (DEGF)	TEMPE (DEGF)	VOL. FLAG
-001	TMDPVOL COMPONENT									
1010000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	10
-36	PIPE COMPONENT									
36010000	14.700	189.11	1.00000E-02	0.00000	1.00000E-02	0.94181	212.01	212.01	212.01	10
36020000	14.700	189.11	1.00000E-02	0.00000	1.00000E-02	0.94181	212.01	212.01	212.01	10

ATTEMPTED ADV: TOT.= 0 EDIT= 0 MIN.DT= 0.000000 SEC LAST DT= 1.000000E-03 SEC MS.ERR= 0.000000 LB
 REPEATED ADV: TOT.= 0 EDIT= 0 MAX.DT= 0.000000 SEC CRNT.DT= 0.000000 SEC TOT.MS= 38943.8 LB
 SUCCESSFUL ADV: TOT.= 0 EDIT= 0 AVG.DT= 0.000000 SEC FRP.EST= 0.000000 M.PATN= 0.000000
 REQUESTED ADV: TOT.= 0 EDIT= 0 REQ.DT= 1.000000E-03 SEC CPU= 3.56229 SEC TIME= 0.000000 SEC

TRIP NUMBER, TRIP TIME (SEC)

505 -1.0000 506 -1.0000 507 -1.0000 508 -1.0000 509 -1.0000

VOL.NO.	PRESSURE (LBF/IN2)	INT. ENERGY (BTU/LB)	STATIC QUAL.	NONCOND VAPOUR QUAL.	EGU. QUAL.	VOIDG	TEMPF (DEGF)	TEMPG (DEGF)	TEMPE (DEGF)	VOL. FLAG
-001	TMDPVOL COMPONENT									
1010000	2886.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	10
-36	PIPE COMPONENT									
36010000	14.700	189.11	1.00000E-02	0.00000	1.00000E-02	0.94181	212.01	212.01	212.01	10
36020000	14.700	189.11	1.00000E-02	0.00000	1.00000E-02	0.94181	212.01	212.01	212.01	10
36030000	14.700	172.28	0.00000	0.00000	0.00000	0.00000	204.20	204.20	204.20	10
-38	PIPE COMPONENT									
38010000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
38020000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
38030000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
38040000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
38050000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
38060000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
38070000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
-40	SNGLVOL COMPONENT									
40010000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
-42	SNGLVOL COMPONENT									
42010000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
-44	BRANCH COMPONENT									
44010000	14.700	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	0
-46	PIPE COMPONENT									
46010000	14.700	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	0
46020000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
46030000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
-48	PIPE COMPONENT									
48010000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
48020000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
48030000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
48040000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
48050000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
48060000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
48070000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
48080000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
48090000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
-50	PIPE COMPONENT									
50010000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
50020000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
50030000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
50040000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
50050000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
-52	SNGLVOL COMPONENT									
52010000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
-54	PIPE COMPONENT									
54010000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
54020000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
54030000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
54040000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
54050000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
54060000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
54070000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0

54080000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
54090000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
54100000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
54110000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
54120000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
54130000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
54140000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
54150000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
54160000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
54170000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0

