

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
400 Chestnut Street Tower II

April 29, 1985

Director of Nuclear Reactor Regulation  
Attention: Ms. E. Adensam, Chief  
Licensing Branch No. 4  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Ms. Adensam:

In the Matter of the Application of ) Docket Nos. 50-390  
Tennessee Valley Authority ) 50-391

Please refer to TVA's March 27, 1985 and April 12, 1985 submittals regarding the Watts Bar Nuclear Plant (WBN) Inservice Testing (IST) program for pumps and valves. Enclosed is a copy of the revised Appendix B, Summary Listing of Valves to the Watts Bar IST program. This is a routine revision to document the affect of actions previously reviewed by NRC. The following summarizes the changes and lists the affected components:

- 1) Valves listed below have been determined to not comply with the requirements of Appendix R and have been placed in this safe position by workplan 5101 and disabled in order to ensure they maintain that position. Accordingly, these valves have been reclassified from B. ACT to B. PAS and are no longer listed in the summary listing.

1FCV67.147                      1FCV67.168                      1FCV67.190  
2FCV67.147                      1FCV67.170  
0FCV67.151                      1FCV67.188

- 2) Valve 0FCV70.197A has been identified as a unit 1/unit 2 interface boundry valve and has been placed in its safe position and will be maintained in that position by administrative controls until unit 2 comes under the full security and operational control of the plant operating staff. At that time, this will again become an active valve. During the interim period, the valve has been reclassified from B. ACT to B. PAS and is not listed in the summary listing.

8505070120 850429  
PDR ADDCK 05000390  
F PDR

*Boo!*  
*1/1*

Director Nuclear Reactor Regulation

April 29, 1985

If you have any questions concerning this matter, please get in touch with D. B. Ellis at FTS 858-2681.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



D. E. McCloud  
Nuclear Engineer

Sworn to and subscribed before me  
this 29<sup>th</sup> day of April 1985.

Paulette J. White  
Notary Public

My Commission Expires 8-24-88

Enclosure

cc: U.S. Nuclear Regulatory Commission (Enclosure)  
Region II  
Attn: Dr. J. Nelson Grace, Regional Administrator  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

J : MECRES

- PROOM

\*\*\*\*\*  
\*\*\*\*\*

W	W	WWW	WWW	WWW	WWW	WWW
W	W	W	W	W	W	W
W	W	W	W	W	W	W
W	W	WWW	W	WWW	WWW	WWW
W	W	W	W	W	W	W
W	W	W	W	W	W	W
W	W	WWW	WWW	W	WWW	WWW

\*\*\*\*\*  
\*\*\*\*\*

L : PRT029 -

O : <MISC>MECRES

S	:	85-04-06.11:02:08.S	[S	19.1.]
S	:	85-04-06.11:07:44.S	: PR2	: PR2

TI  
APERTURE  
CARD

Also Available On  
Aperture Card

8505070120-01

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1FCV01.004T	01	2	801.1	C.4	B.ACT	32	GA	CYL	0	QT	CS.01 PS	
1FCV01.011T	01	2	801.1	E.4	B.ACT	32	GA	CYL	0	QT	CS.01 PS	
1FCV01.022T	01	2	801.1	G.4	B.ACT	32	GA	CYL	0	QT	CS.01 PS	
1FCV01.029T	01	2	801.1	A.4	B.ACT	32	GA	CYL	0	QT	CS.01 PS	
1FCV01.147A	01	2	801.1	C.4	B.ACT	2	GL	DIA	C	QT		
1FCV01.148B	01	2	801.1	E.4	B.ACT	2	GL	DIA	C	QT		
1FCV01.149A	01	2	801.1	G.4	B.ACT	2	GL	DIA	C	QT		
1FCV01.150B	01	2	801.1	A.4	B.ACT	2	GL	DIA	C	QT		
1PCV01.005T	01	2	801.1	C.3	B.ACT	6	GL	DIA	C	QT	CS.02	
1PCV01.012T	01	2	801.1	E.3	B.ACT	6	GL	DIA	C	QT	CS.02	
1PCV01.023T	01	2	801.1	F.3	B.ACT	6	GL	DIA	C	QT	CS.02	
1PCV01.030T	01	2	801.1	A.3	B.ACT	6	GL	DIA	C	QT	CS.02	
1SFV01.512	01	2	801.1	F.2	C.ACT	6	REL	SLF	C	BT		
1SFV01.513	01	2	801.1	F.2	C.ACT	6	REL	SLF	C	BT		
1SFV01.514	01	2	801.1	F.3	C.ACT	6	REL	SLF	C	BT		
1SFV01.515	01	2	801.1	F.3	C.ACT	6	REL	SLF	C	BT		
1SFV01.516	01	2	801.1	F.3	C.ACT	6	REL	SLF	C	BT		
1SFV01.517	01	2	801.1	D.2	C.ACT	6	REL	SLF	C	BT		
1SFV01.518	01	2	801.1	D.2	C.ACT	6	REL	SLF	C	BT		
1SFV01.519	01	2	801.1	D.3	C.ACT	6	REL	SLF	C	BT		
1SFV01.520	01	2	801.1	D.3	C.ACT	6	REL	SLF	C	BT		
1SFV01.521	01	2	801.1	D.3	C.ACT	6	REL	SLF	C	BT		
1SFV01.522	01	2	801.1	C.3	C.ACT	6	REL	SLF	C	BT		
1SFV01.523	01	2	801.1	C.3	C.ACT	6	REL	SLF	C	BT		

**TI  
APERTURE  
CARD**

*Also Available On  
Aperture Card*

8505070120-02

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1SFV01.524	01	2	801.1	C.3	C.ACT	6	REL	SLF	C	BT		
1SFV01.525	01	2	801.1	C.3	C.ACT	6	REL	SLF	C	BT		
1SFV01.526	01	2	801.1	C.3	C.ACT	6	REL	SLF	C	BT		
1SFV01.527	01	2	801.1	A.3	C.ACT	6	REL	SLF	C	BT		
1SFV01.528	01	2	801.1	A.3	C.ACT	6	REL	SLF	C	BT		
1SFV01.529	01	2	801.1	A.3	C.ACT	6	REL	SLF	C	BT		
1SFV01.530	01	2	801.1	A.3	C.ACT	6	REL	SLF	C	BT		
1SFV01.531	01	2	801.1	A.3	C.ACT	6	REL	SLF	C	BT		
1FCV01.007B	01	2	801.2	C.3	B.ACT	2	ANG	DIA	0	QT		
1FCV01.014A	01	2	801.2	E.3	B.ACT	2	ANG	DIA	0	QT		
1FCV01.025B	01	2	801.2	G.3	B.ACT	2	ANG	DIA	0	QT		
1FCV01.032A	01	2	801.2	A.3	B.ACT	2	ANG	DIA	0	QT		
1FCV01.181A	01	2	801.2	C.2	B.ACT	2	GL	DIA	0	QT		
1FCV01.182B	01	2	801.2	E.2	B.ACT	2	GL	DIA	0	QT		
1FCV01.183A	01	2	801.2	G.2	B.ACT	2	GL	DIA	0	QT		
1FCV01.184B	01	2	801.2	A.2	B.ACT	2	GL	DIA	0	QT		
1FCV01.015A	01	2	803.2	B.9	B.ACT	4	GA	MOT	0	QT		
1FCV01.016A	01	2	803.2	A.9	B.ACT	4	GA	MOT	0	QT		
1FCV01.017A	01	3	803.2	B.8	B.ACT	4	GA	MOT	0	QT	CS.03	
1FCV01.018B	01	2	803.2	B.8	B.ACT	4	GA	MOT	0	QT	CS.03	
1CKV02.667	02	3	804.1	G.3	C.ACT	2.5	CK	SLF	C	CV		
1CKV03.508	03	2	803.1	F.2	C.ACT	16	CK	SLF	0	CV	CS.04	
1CKV03.509	03	2	803.1	D.2	C.ACT	16	CK	SLF	0	CV	CS.04	
1CKV03.510	03	2	803.1	C.2	C.ACT	16	CK	SLF	0	CV	CS.04	
1CKV03.511	03	2	803.1	B.2	C.ACT	16	CK	SLF	0	CV	CS.04	

**TI  
APERTURE  
CARD**

*Also Available On  
Aperture Card*

8505070120-03

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1CKV03.638	03	2	803.1	A.3	C.ACT	6	CK	SLF	0	CV	CS.05	
1CKV03.652	03	2	803.1	C.3	C.ACT	6	CK	SLF	0	CV	CS.05	
1CKV03.669	03	2	803.1	D.2	C.ACT	6	CK	SLF	0	CV	CS.05	
1CKV03.678	03	2	803.1	F.2	C.ACT	6	CK	SLF	0	CV	CS.05	
1FCV03.033A	03	2	803.1	C.3	B.ACT	16	GA	MOT	0	QT	CS.04	
1FCV03.047B	03	2	803.1	E.3	B.ACT	16	GA	MOT	0	QT	CS.04	
1FCV03.087A	03	2	803.1	G.3	B.ACT	16	GA	MOT	0	QT	CS.04	
1FCV03.100B	03	2	803.1	B.3	B.ACT	16	GA	MOT	0	QT	CS.04	
1FCV03.185	03	2	803.1	C.2	B.ACT	2	GA	DIA	C	QT	CS.06	
1FCV03.186	03	2	803.1	E.2	B.ACT	2	GA	DIA	C	QT	CS.06	
1FCV03.187	03	2	803.1	G.2	B.ACT	2	GA	DIA	C	QT	CS.06	
1FCV03.188	03	2	803.1	B.2	B.ACT	2	GA	DIA	C	QT	CS.06	
1FCV03.236	03	2	803.1	C.3	B.ACT	6	GA	DIA	0	QT	CS.07	
1FCV03.239	03	2	803.1	D.3	B.ACT	6	GA	DIA	0	QT	CS.07	
1FCV03.242	03	2	803.1	F.3	B.ACT	6	GA	DIA	0	QT	CS.07	
1FCV03.245	03	2	803.1	A.3	B.ACT	6	GA	DIA	0	QT	CS.07	
1CKV03.805A	03	3	803.2	F.5	C.ACT	8	CK	SLF	C	CV	CS.08	PS
1CKV03.806B	03	3	803.2	F.6	C.ACT	8	CK	SLF	C	CV	CS.08	PS
1CKV03.810S	03	3	803.2	G.4	C.ACT	10	CK	SLF	C	CV	CS.08	PS
1CKV03.814A	03	3	803.2	F.5	C.ACT	1.5	CK	SLF	C	CV		
1CKV03.815B	03	3	803.2	F.6	C.ACT	1.5	CK	SLF	C	CV		
1CKV03.818S	03	3	803.2	G.6	C.ACT	1.5	CK	SLF	C	CV		
1CKV03.820A	03	3	803.2	F.5	C.ACT	6	CK	SLF	C	CV	CS.09	
1CKV03.821B	03	3	803.2	F.6	C.ACT	6	CK	SLF	C	CV	CS.09	

**TI  
APERTURE  
CARD**

**Also Available On  
Aperture Card**

**8505070120-04**

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1CKV03.830B	03	2	803.2	F.8	C.ACT	4	CK	SLF	C	CV	CS.09	
1CKV03.831A	03	2	803.2	E.8	C.ACT	4	CK	SLF	C	CV	CS.09	
1CKV03.832A	03	2	803.2	C.8	C.ACT	4	CK	SLF	C	CV	CS.09	
1CKV03.833B	03	2	803.2	B.8	C.ACT	4	CK	SLF	C	CV	CS.09	
1CKV03.861S	03	2	803.2	G.10	C.ACT	4	CK	SLF	C	CV	CS.09	
1CKV03.862S	03	2	803.2	E.10	C.ACT	4	CK	SLF	C	CV	CS.09	
1CKV03.864S	03	3	803.2	G.6	C.ACT	6	CK	SLF	C	CV	CS.10	
1CKV03.871A	03	2	803.2	F.8	C.ACT	4	CK	SLF	C	CV	CS.10	
1CKV03.872B	03	2	803.2	D.8	C.ACT	4	CK	SLF	C	CV	CS.10	
1CKV03.873B	03	2	803.2	C.8	C.ACT	4	CK	SLF	C	CV	CS.10	
1CKV03.874A	03	2	803.2	A.8	C.ACT	4	CK	SLF	C	CV	CS.10	
1CKV03.891S	03	2	803.2	B.8	C.ACT	4	CK	SLF	C	CV	CS.11	PS
1CKV03.892S	03	2	803.2	A.8	C.ACT	4	CK	SLF	C	CV	CS.11	PS
1CKV03.921S	03	2	803.2	G.10	C.ACT	4	CK	SLF	C	CV	CS.09	
1CKV03.922S	03	2	803.2	E.10	C.ACT	4	CK	SLF	C	CV	CS.09	
1FCV03.116A.A	03	3	803.2	F.5	B.ACT	4	GA	MOT	C	QT		
1FCV03.116B.A	03	3	803.2	F.5	B.ACT	4	GA	MOT	C	QT		
1FCV03.126A.B	03	3	803.2	F.7	B.ACT	4	GA	MOT	C	QT		
1FCV03.126B.B	03	3	803.2	F.7	B.ACT	4	GA	MOT	C	QT		
1FCV03.136A.A	03	3	803.2	G.5	B.ACT	6	GA	MOT	C	QT		
1FCV03.136B.A	03	3	803.2	G.5	B.ACT	6	GA	MOT	C	QT		
1FCV03.179A.B	03	3	803.2	H.5	B.ACT	6	GA	MOT	C	QT		
1FCV03.179B.B	03	3	803.2	H.5	B.ACT	6	GA	MOT	C	QT		
1LCV03.148.B	03	3	803.2	F.8	B.ACT	4	GL	DIA	C	QT		
1LCV03.148A.B	03	3	803.2	F.8	B.ACT	2	ANG	DIA	C	QT		

**TI  
APERTURE  
CARD**

Also Available On  
Aperture Card

8505070120-05

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1LCV03.156.A	03	3	803.2	D.8	B.ACT	4	GL	DIA	C	QT		
1LCV03.156A.A	03	3	803.2	D.8	B.ACT	2	ANG	DIA	C	QT		
1LCV03.164.A	03	3	803.2	C.8	B.ACT	4	GL	DIA	C	QT		
1LCV03.164A.A	03	3	803.2	C.8	B.ACT	2	ANG	DIA	C	QT		
1LCV03.171.B	03	3	803.2	A.8	B.ACT	4	GL	DIA	C	QT		
1LCV03.171A.B	03	3	803.2	A.8	B.ACT	2	ANG	DIA	C	QT		
1LCV03.172A	03	3	803.2	F.8	B.ACT	3	GL	DIA	C	QT		
1LCV03.173B	03	3	803.2	D.8	B.ACT	3	GL	DIA	C	QT		
1LCV03.174B	03	3	803.2	C.8	B.ACT	3	GL	DIA	C	QT		
1LCV03.175A	03	3	803.2	A.8	B.ACT	3	GL	DIA	C	QT		
1CKV26.1260	26	2	850.9	A.9	AC.PAS	4	CK	SLF	C	LT	AJ	RR.12 RR.13
1CKV26.1296	26	2	850.9	B.3	AC.PAS	4	CK	SLF	C	LT	AJ	RR.12 RR.13
1FCV26.240A	26	2	850.9	A.9	A.ACT	4	GA	MOT	O	QT.LT	AJ	RR.12 RR.13
1FCV26.241B	26	3	850.9	D.7	B.ACT	4	GA	MOT	O	QT		
1FCV26.242A	26	3	850.9	D.7	B.ACT	4	GA	MOT	O	QT		
1FCV26.243A	26	2	850.9	B.3	A.ACT	4	GA	MOT	O	QT.LT	AJ	RR.12 RR.13
1FCV26.244B	26	3	850.9	G.1	B.ACT	4	GA	MOT	O	QT		
1FCV26.245A	26	3	850.9	G.1	B.ACT	4	GA	MOT	O	QT		
1FCV30.007A	30	2	866.1	C.2	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.008B	30	2	866.1	C.2	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.009B	30	2	866.1	C.2	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.010A	30	2	866.1	C.2	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12

**TI  
APERTURE  
CARD**

**Also Available On  
Aperture Card**

8505070120-06



VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
												RR.13
1FCV30.014A	30	2	866.1	E.2	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.015B	30	2	866.1	E.2	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.016	30	2	866.1	F.2	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.017	30	2	866.1	F.2	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.019B	30	2	866.1	G.2	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.020A	30	2	866.1	G.2	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.037	30	2	866.1	D.10	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.040	30	2	866.1	D.10	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.050B	30	2	866.1	C.10	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.051A	30	2	866.1	C.10	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.052A	30	2	866.1	C.10	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.053B	30	2	866.1	C.10	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.056A	30	2	866.1	E.10	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.057B	30	2	866.1	E.10	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.058B	30	2	866.1	G.10	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FCV30.059A	30	2	866.1	G.10	A.ACT	24	BUT	CYL	C	QT.LT	AJ	RR.12 RR.13
1FSV30.134	30	2	866.1	F.9	A.ACT	0.5	PLUG	SOL	0	QT.LT	AJ	RR.12

**TI  
APERTURE  
CARD**

**Also Available On  
Aperture Card**

**8505070120-07**

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
												RR.13
1FSV30.135	30	2	866.1	F.10	A.ACT	0.5	PLUG	SOL	0	QT.LT	AJ	RR.12 RR.13
1FCV31.305B	31	2	865.5	B.7	A.ACT	2	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV31.306A	31	2	865.5	B.8	A.ACT	2	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV31.308A	31	2	865.5	C.8	A.ACT	2	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV31.309B	31	2	865.5	C.7	A.ACT	2	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV31.326A	31	2	865.5	E.7	A.ACT	2	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV31.327B	31	2	865.5	F.8	A.ACT	2	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV31.329B	31	2	865.5	F.8	A.ACT	2	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV31.330A	31	2	865.5	F.7	A.ACT	2	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1IBD31.3378	31	2	865.5	F.8	AC.PAS	0.5	CK	SLF	C	LT	AJ	RR.12 RR.13
1IBD31.3392	31	2	865.5	E.8	AC.PAS	0.5	CK	SLF	C	LT	AJ	R.12 RR.13
1IBD31.3407	31	2	865.5	C.8	AC.PAS	0.5	CK	SLF	C	LT	AJ	RR.12 RR.13
1IBD31.3421	31	2	865.5	B.8	AC.PAS	0.5	CK	SLF	C	LT	AJ	RR.12 RR.13
1BYV32.288	32	2	848.1	C.9	A.PAS	2	GI	MAN	C	LT	AJ	RR.12 RR.13
1BYV32.298A	32	2	848.1	B.9	A.PAS	2	GL	MAN	C	LT	AJ	RR.12 RR.13
1BYV32.308B	32	2	848.1	D.9	A.PAS	2	GI	MAN	C	LT	AJ	RR.12 RR.13
1CKV32.293A	32	2	848.1	B.10	AC.ACT	2	CK	SLF	0	CV.LT	CS.12	RR.12

**TI  
APERTURE  
CARD**

Also Available  
Aperture Card

8505070120-08

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
											AJ	RR.13
1CKV32.303A	32	2	848.1	C.10	AC.ACT	2	CK	SLF	0	CV.LT	CS.12 AJ	RR.12 RR.13
1CKV32.313B	32	2	848.1	D.10	AC.ACT	2	CK	SLF	0	CV.LT	CS.12 AJ	RR.12 RR.13
1FCV32.080A	32	2	848.1	C.9	A.ACT	2	GA	DIA	0	QT.LT	CS.12 AJ	RR.12 RR.13
1FCV32.102B	32	2	848.1	D.9	A.ACT	2	GA	DIA	0	QT.LT	CS.12 AJ	RR.12 RR.13
1FCV32.110A	32	2	848.1	A.9	A.ACT	2	GA	DIA	0	QT.LT	CS.12 AJ	RR.12 RR.13
1CKV33.714	33	2	846.2	F.6	AC.PAS	3	CK	SLF	C	LT	AJ	RR.12 RR.13
1ISV33.713	33	2	846.2	F.6	A.PAS	2	DIA	MAN	C	LT	AJ	RR.12 RR.13
1FCV43.002B	43	2	625.01	D.3	A.ACT	.375	GA	DIA	C	QT.LT	AJ	RR.12 RR.13
1FCV43.011B	43	2	625.01	B.2	A.ACT	.375	GA	DIA	C	QT.LT	AJ	RR.12 RR.13
1FCV43.022B	43	2	625.01	F.5	A.ACT	.375	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV43.023A	43	2	625.01	D.5	A.ACT	.375	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV43.034B	43	2	625.02	B.2	A.ACT	.375	GA	DIA	C	QT.LT	AJ	RR.12 RR.13
1FCV43.035A	43	2	625.02	C.4	A.ACT	.375	GA	DIA	C	QT.LT	AJ	RR.12 RR.13
1FCV43.054D.B	43	2	625.02	C.7	A.ACT	.375	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV43.055A	43	2	625.02	C.6	A.ACT	.375	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV43.056D.B	43	2	625.02	C.8	A.ACT	.375	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV43.058A	43	2	625.02	C.7	A.ACT	.375	GA	DIA	0	QT.LT	AJ	RR.12

TI  
APERTURE  
CARD

Also Available On  
Aperture Card

8505070120-09

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
												RR.13
1FCV43.059D.B	43	2	625.02	D.8	A.ACT	.375	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV43.061A	43	2	625.02	D.8	A.ACT	.375	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV43.063D.B	43	2	625.02	D.9	A.ACT	.375	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV43.064A	43	2	625.02	D.8	A.ACT	.375	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV43.075	43	2	625.07	E.7	A.ACT	.375	GA	DIA	C	QT.LT	AJ	RR.12 RR.13
1FCV43.077A	43	2	625.07	E.8	A.ACT	.375	GA	DIA	C	QT.LT	AJ	RR.12 RR.13
1FCV43.201A	43	2	625.11	H.5	A.ACT	.375	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV43.202A	43	2	625.11	G.5	A.ACT	.375	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV43.207B	43	2	625.11	E.7	A.ACT	.375	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV43.208B	43	2	625.11	D.7	A.ACT	.375	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1CKV43.N0001	43	2	625.15	G.4	AC.ACT	.375	CK	SLF	C	LT	CS.13 AJ	RR.12 RR.13
1CKV43.N0002	43	2	625.15	B.10	AC.ACT	.375	CK	SLF	C	LT	CS.13 AJ	RR.12 RR.13
1CKV43.N0026	43	2	625.15	B.10	AC.ACT	.375	CK	SLF	C	LT	CS.13 AJ	RR.12 RR.13
1CKV43.N0030	43	2	625.15	H.4	AC.ACT	.375	CK	SLF	C	LT	CS.13 AJ	RR.12 RR.13
1FSV43.250	43	2	625.15	D.1	A.ACT	.375	PLUG	SOL	C	LT	CS.13 AJ	RR.12 RR.13
1FSV43.251	43	2	625.15	C.1	A.ACT	.375	PLUG	SOL	C	LT	CS.13 AJ	RR.12 RR.13
1FSV43.287	43	2	625.15	C.9	A.ACT	.375	PLUG	SOL	C	LT	CS.13	RR.12

TI  
APERTURE  
CARD

Also Available On  
Aperture Card

8505070120-10

VALVES.....	SYS	CLASS	DWG.NO.,.	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
											AJ	RR.13
1FSV43.288	43	2	625.15	B.9	A.ACT	.375	PLUG	SOL	C	LT	CS.13 AJ	RR.12 RR.13
1FSV43.307	43	2	625.15	C.10	A.ACT	.375	PLUG	SOL	C	LT	CS.13 AJ	RR.12 RR.13
1FSV43.309	43	2	625.15	D.2	A.ACT	.375	PLUG	SOL	C	LT	CS.13 AJ	RR.12 RR.13
1FSV43.310	43	2	625.15	C.2	A.ACT	.375	PLUG	SOL	C	LT	CS.13 AJ	RR.12 RR.13
1FSV43.318	43	2	625.15	C.9	A.ACT	.375	PLUG	SOL	C	LT	CS.13 AJ	RR.12 RR.13
1FSV43.319	43	2	625.15	B.9	A.ACT	.375	PLUG	SOL	C	LT	CS.13 AJ	RR.12 RR.13
1FSV43.325	43	2	625.15	C.10	A.ACT	.375	PLUG	SOL	C	LT	CS.13 AJ	RR.12 RR.13
1FSV43.341	43	2	625.15	H.5	A.ACT	.375	PLUG	SOL	C	LT	CS.13 AJ	RR.12 RR.13
1FSV43.342	43	2	625.15	G.5	A.ACT	.375	PLUG	SOL	C	LT	CS.13 AJ	RR.12 RR.13
1FCV43.003A	43	2	652.01	C.5	A.ACT	.375	GA	DIA	C	QT.LT	AJ	RR.12 RR.13
1FCV43.012A	43	2	652.01	B.4	A.ACT	.375	GA	DIA	C	QT.LT	AJ	RR.12 RR.13
1ISB52.500	52	2	331.3	H.4	A.PAS	0.75	GA	MAN	C	LT	AJ	RR.12 RR.13
1ISB52.501	52	2	331.3	H.4	A.PAS	0.75	GA	MAN	C	LT	AJ	RR.12 RR.13
1ISB52.502	52	2	331.3	H.4	A.PAS	0.75	GA	MAN	C	LT	AJ	RR.12 RR.13
1ISB52.503	52	2	331.3	H.4	A.PAS	0.75	GA	MAN	C	LT	AJ	RR.12 RR.13
1ISB52.504	52	2	331.3	H.4	A.PAS	0.75	GA	MAN	C	LT	AJ	RR.12 RR.13
1ISB52.505	52	2	331.3	H.4	A.PAS	0.75	GA	MAN	C	LT	AJ	RR.12

**TI  
APERTURE  
CARD**

Also Available On  
Aperture Card

8505070120-11

VALVES..... SYS CLASS DWG.NO.. COORD CATGRY SIZE TYPE ACT N.POS TESTS ALTER RELIEF

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
												RR.13
1ISB52.506	52	2	331.3	H.4	A.PAS	0.75	GA	MAN	C	LT	AJ	RR.12 RR.13
1ISB52.507	52	2	331.3	H.4	A.PAS	0.75	GA	MAN	C	LT	AJ	RR.12 RR.13
1ISV59.522	59	2	356.1	F.3	A.PAS	2	GA	MAN	C	LT	AJ	RR.12 RR.13
1ISV59.698	59	2	856.1	F.3	A.PAS	2	DIA	MAN	C	LT	AJ	RR.12 RR.13
1CKV61.533	61	2	814.2	A.6	AC.PAS	.375	CK	SLF	C	LT	AJ	RR.12 RR.13
1CKV61.680	61	2	814.2	A.6	AC.PAS	.375	CK	SLF	C	LT	AJ	RR.12 RR.13
1CKV61.692	61	2	814.2	F.10	AC.PAS	.375	CK	SLF	C	LT	AJ	RR.12 RR.13
1CKV61.745	61	2	814.2	H.10	AC.PAS	.375	CK	SLF	C	LT	AJ	RR.12 RR.13
1FCV61.096A	61	2	814.2	F.10	A.ACT	2	DIA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV61.097B	61	2	814.2	F.10	A.ACT	2	DIA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV61.110A	61	2	814.2	H.10	A.ACT	2	DIA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV61.122B	61	2	814.2	H.10	A.ACT	2	DIA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV61.191A	61	2	814.2	A.5	A.ACT	4	DIA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV61.192B	61	2	814.2	A.5	A.ACT	4	DIA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV61.193A	61	2	814.2	A.5	A.ACT	4	DIA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV61.194B	61	2	814.2	A.6	A.ACT	4	DIA	DIA	0	QT.LT	AJ	RR.12 RR.13
1CKV62.504S	62	2	809.1	H.10	C.ACT	8	CK	SLF	C	CV	PS.RR	RR.14

TI  
APERTURE  
CARD

Also Available On  
Aperture Card

8505070120-12

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1CKV62.519S	62	2	809.1	F.9	C.ACT	3	CK	SLF	0	CV		
1CKV62.523A	62	2	809.1	H.9	C.ACT	2	CK	SLF	0	CV		
1CKV62.525A	62	2	809.1	H.9	C.ACT	4	CK	SLF	0	CV	PS.RR	RR.15
1CKV62.530B	62	2	809.1	G.9	C.ACT	2	CK	SLF	0	CV		
1CKV62.532B	62	2	809.1	G.9	C.ACT	4	CK	SLF	0	CV	PS.RR	RR.15
1CKV62.639S	62	2	809.1	C.7	AC.PAS	0.75	CK	SLF	0	LT	AJ	RR.12 RR.13
1CKV62.697	62	2	809.1	E.10	B.ACT	4	CK	SLF	0	CV		
1FCV62.061B	62	2	809.1	B.7	A.ACT	4	GA	MOT	0	QT.LT	CS.14 AJ	RR.12 RR.13
1FCV62.063A	62	2	809.1	F.8	A.ACT	4	GA	MOT	0	QT.LT	CS.14 AJ	RR.12 RR.13
1FCV62.072A	62	2	809.1	A.5	A.ACT	2	GL	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV62.073A	62	2	809.1	A.4	A.ACT	2	GL	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV62.074A	62	2	809.1	A.4	A.ACT	2	GL	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV62.076A	62	2	809.1	A.5	A.ACT	2	GL	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV62.077B	62	2	809.1	A.7	A.ACT	2	GL	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV62.090A	62	2	809.1	D.7	B.ACT	3	GA	MOT	0	QT		
1FCV62.091B	62	2	809.1	D.8	B.ACT	3	GA	MOT	0	QT		
1FCV62.098A	62	2	809.1	C.9	B.ACT	2	GA	MOT	0	QT	CS.15	
1FCV62.099B	62	2	809.1	D.9	B.ACT	2	GA	MOT	0	QT	CS.15	
1LCV62.132A	62	2	809.1	E.10	B.ACT	4	GA	MOT	0	QT	CS.16	
1LCV62.133B	62	2	809.1	E.10	B.ACT	4	GA	MOT	0	QT	CS.16	
1LCV62.135A	62	2	809.1	H.10	B.ACT	8	GA	MOT	0	QT	CS.17	

**TI**  
**APERTURE**  
**CARD**

Also Available On  
Aperture Card

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1LCV62.136B	62	2	809.1	H.10	B.ACT	8	GA	MOT	C	QT	CS.17	
1RFV62.505	62	2	809.1	F.10	C.ACT	1	REL	SLF	C	BT		
1RFV62.636S	62	2	809.1	B.6	C.ACT	2	REL	SLF	C	BT		
1RFV62.649S	62	2	809.1	C.9	C.ACT	2	REL	SLF	C	BT		
1RFV62.662S	62	2	809.1	A.3	AC.ACT	2	REL	SLF	C	BT.LT	AJ	RR.12 RR.13
<del>1RFV62.675S</del>	<del>62</del>	<del>2</del>	<del>809.1</del>	<del>A.10</del>	<del>C.ACT</del>	<del>2</del>	<del>REL</del>	<del>SLF</del>	<del>C</del>	<del>BT</del>		
<del>1RFV62.688S</del>	<del>62</del>	<del>2</del>	<del>809.1</del>	<del>D.9</del>	<del>C.ACT</del>	<del>3</del>	<del>REL</del>	<del>SLF</del>	<del>C</del>	<del>BT</del>		
<del>1FCV62.138B</del>	<del>62</del>	<del>2</del>	<del>809.2</del>	<del>B.4</del>	<del>B.ACT</del>	<del>3</del>	<del>GL</del>	<del>MOT</del>		<del>QT</del>		
<del>1CKV63.502S</del>	<del>63</del>	<del>2</del>	<del>811.1</del>	<del>F.10</del>	<del>C.ACT</del>	<del>12</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>	<del>PS.RR</del>	<del>RR.16</del>
<del>1CKV63.510S</del>	<del>63</del>	<del>2</del>	<del>811.1</del>	<del>D.10</del>	<del>C.ACT</del>	<del>8</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>	<del>PS.RR</del>	<del>RR.17</del>
<del>1CKV63.524A</del>	<del>63</del>	<del>2</del>	<del>811.1</del>	<del>E.8</del>	<del>C.ACT</del>	<del>4</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>	<del>PS.RR</del>	<del>RR.18</del>
<del>1CKV63.526B</del>	<del>63</del>	<del>2</del>	<del>811.1</del>	<del>D.8</del>	<del>C.ACT</del>	<del>4</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>	<del>PS.RR</del>	<del>RR.18</del>
<del>1CKV63.528A</del>	<del>63</del>	<del>2</del>	<del>811.1</del>	<del>E.8</del>	<del>C.ACT</del>	<del>0.75</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>		
<del>1CKV63.530B</del>	<del>63</del>	<del>2</del>	<del>811.1</del>	<del>D.8</del>	<del>C.ACT</del>	<del>0.75</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>		
<del>1CKV63.543A</del>	<del>63</del>	<del>1</del>	<del>811.1</del>	<del>F.4</del>	<del>AC.ACT</del>	<del>2</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>	<del>PS.RR</del>	<del>RR.18</del>
<del>1CKV63.545A</del>	<del>63</del>	<del>1</del>	<del>811.1</del>	<del>E.4</del>	<del>AC.ACT</del>	<del>2</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>	<del>PS.RR</del>	<del>RR.18</del>
<del>1CKV63.547B</del>	<del>63</del>	<del>1</del>	<del>811.1</del>	<del>D.4</del>	<del>AC.ACT</del>	<del>2</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>	<del>PS.RR</del>	<del>RR.18</del>
<del>1CKV63.549B</del>	<del>63</del>	<del>1</del>	<del>811.1</del>	<del>E.4</del>	<del>AC.ACT</del>	<del>2</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>	<del>PS.RR</del>	<del>RR.18</del>
<del>1CKV63.551S</del>	<del>63</del>	<del>1</del>	<del>811.1</del>	<del>G.1</del>	<del>AC.ACT</del>	<del>2</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>	<del>PS.RR</del>	<del>RR.18</del>
<del>1CKV63.553S</del>	<del>63</del>	<del>1</del>	<del>811.1</del>	<del>H.3</del>	<del>AC.ACT</del>	<del>2</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>	<del>PS.RR</del>	<del>RR.18</del>
<del>1CKV63.555S</del>	<del>63</del>	<del>1</del>	<del>811.1</del>	<del>G.3</del>	<del>AC.ACT</del>	<del>2</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>	<del>PS.RR</del>	<del>RR.18</del>
<del>1CKV63.557S</del>	<del>63</del>	<del>1</del>	<del>811.1</del>	<del>G.2</del>	<del>AC.ACT</del>	<del>2</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>	<del>PS.RR</del>	<del>RR.18</del>
<del>1CKV63.558B</del>	<del>63</del>	<del>1</del>	<del>811.1</del>	<del>F.2</del>	<del>AC.ACT</del>	<del>6</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>	<del>PS.RR</del>	<del>RR.18</del>
<del>1CKV63.559B</del>	<del>63</del>	<del>1</del>	<del>811.1</del>	<del>D.1</del>	<del>AC.ACT</del>	<del>6</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>	<del>PS.RR</del>	<del>RR.18</del>
<del>1CKV63.560S</del>	<del>63</del>	<del>1</del>	<del>811.1</del>	<del>E.1</del>	<del>AC.ACT</del>	<del>10</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV.LT</del>	<del>CS.18</del>	

**TI  
APERTURE  
CARD**

Also Available On  
Aperture Card

8505070120-14



VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1CKV63.561S	63	1	811.1	D.2	AC.ACT	10	CK	SLF	C	CV.LT	CS.18	
1CKV63.562S	63	1	811.1	D.3	AC.ACT	10	CK	SLF	C	CV.LT	CS.18	
1CKV63.563S	63	1	811.1	F.2	AC.ACT	10	CK	SLF	C	CV.LT	CS.18	
1CKV63.581S	63	1	811.1	B.7	C.ACT	3	CK	SLF	C	CV	PS.RR	RR.19
1CKV63.586S	63	1	811.1	E.1	C.ACT	1.5	CK	SLF	C	CV	PS.RR	RR.19
1CKV63.587S	63	1	811.1	D.2	C.ACT	1.5	CK	SLF	C	CV	PS.RR	RR.19
1CKV63.588S	63	1	811.1	D.2	C.ACT	1.5	CK	SLF	C	CV	PS.RR	RR.19
1CKV63.589S	63	1	811.1	E.2	C.ACT	1.5	CK	SLF	C	CV	PS.RR	RR.19
1CKV63.622S	63	1	811.1	C.1	AC.ACT	10	CK	SLF	C	CV	PS	RR.20
1CKV63.623S	63	1	811.1	C.2	AC.ACT	10	CK	SLF	C	CV	PS	RR.20
1CKV63.624S	63	1	811.1	C.3	AC.ACT	10	CK	SLF	C	CV	PS	RR.20
1CKV63.625S	63	1	811.1	C.3	AC.ACT	10	CK	SLF	C	CV	PS	RR.20
1CKV63.632A	63	1	811.1	G.3	AC.ACT	6	CK	SLF	C	CV	CS.18	
1CKV63.633B	63	1	811.1	G.2	AC.ACT	6	CK	SLF	C	CV	CS.18	
1CKV63.634A	63	1	811.1	G.3	AC.ACT	6	CK	SLF	C	CV	CS.18	
1CKV63.635B	63	1	811.1	G.2	AC.ACT	6	CK	SLF	C	CV	CS.18	
1CKV63.640S	63	1	811.1	F.4	AC.ACT	8	CK	SLF	C	CV	CS.18	
1CKV63.641S	63	1	811.1	F.4	AC.ACT	8	CK	SLF	C	CV	CS.18	
1CKV63.643S	63	1	811.1	F.4	AC.ACT	8	CK	SLF	C	CV	CS.18	
1CKV63.644S	63	1	811.1	D.2	AC.ACT	6	CK	SLF	C	CV	CS.18	
1FCV63.001A	63	2	811.1	E.10	B.ACT	14	GA	MOT	O	QT	CS.19	
1FCV63.003A	63	2	811.1	D.8	B.ACT	2	GL	MOT	O	QT	CS.20	
1FCV63.004B	63	2	811.1	D.8	B.ACT	2	GL	MOT	O	QT		
1FCV63.005B	63	2	811.1	D.10	B.ACT	8	GA	MOT	O	QT	CS.21	
1FCV63.006B	63	2	811.1	F.10	B.ACT	4	GA	MOT	C	QT		
1FCV63.007A	63	2	811.1	F.10	B.ACT	4	GA	MOT	C	QT		

**TI  
APERTURE  
CARD**

Also Available On  
Aperture Card

8505070120-15

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1FCV63.008A	63	2	811.1	H.9	B.ACT	8	GA	MOT	C	QT	CS.22	
1FCV63.011B	63	2	811.1	E.9	B.ACT	8	GA	MOT	C	QT	CS.22	
1FCV63.022B	63	2	811.1	D.6	B.ACT	4	GA	MOT	O	QT	CS.23	
1FCV63.023B	63	2	811.1	D.7	A.ACT	1	GL	DIA	C	QT.LT	AJ	RR.12 RR.13
1FCV63.025B	63	2	811.1	A.7	B.ACT	4	GA	MOT	C	QT		
1FCV63.026A	63	2	811.1	B.7	B.ACT	4	GA	MOT	C	QT		
1FCV63.047A	63	2	811.1	E.10	B.ACT	6	GA	MOT	O	QT		
1FCV63.048B	63	2	811.1	D.10	B.ACT	6	GA	MOT	O	QT		
1FCV63.071A	63	2	811.1	C.6	A.ACT	0.75	GL	DIA	C	QT.LT	AJ	RR.12 RR.13
1FCV63.072A	63	2	811.1	H.6	B.ACT	18	GA	MOT	C	QT	CS.24	
1FCV63.073B	63	2	811.1	H.6	B.ACT	18	GA	MOT	C	QT	CS.24	
1FCV63.094B	63	2	811.1	C.6	A.ACT	0.75	GL	DIA	C	QT.LT	AJ	RR.12 RR.13
1FCV63.093A	63	2	811.1	G.7	B.ACT	8	GA	MOT	O	QT		
1FCV63.094B	63	2	811.1	G.7	B.ACT	8	GA	MOT	O	QT		
1FCV63.152A	63	2	811.1	E.7	B.ACT	4	GA	MOT	O	QT		
1FCV63.153B	63	2	811.1	D.7	B.ACT	4	GA	MOT	O	QT		
1FCV63.156A	63	2	811.1	E.6	B.ACT	4	GA	MOT	C	QT		
1FCV63.157B	63	2	811.1	D.6	B.ACT	4	GA	MOT	C	QT		
1FCV63.172B	63	2	811.1	F.6	B.ACT	12	GA	MOT	C	QT		
1FCV63.175B	63	2	811.1	D.8	B.ACT	2	GL	MOT	O	QT		
1FCV63.177A	63	2	811.1	F.10	B.ACT	4	GA	MOT	O	QT		
1RFV63.511A	63	2	811.1	D.10	C.ACT	0.75	REL	SLF	C	BT		
1RFV63.534A	63	2	811.1	E.7	C.ACT	0.75	REL	SLF	C	BT		
1RFV63.535S	63	2	811.1	D.7	C.ACT	0.75	REL	SLF	C	BT		

**TI  
APERTURE  
CARD**

*Also Available On  
Aperture Card*

**8505070120-16**

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1RFV63.536B	63	2	811.1	D.7	C.ACT	0.75	REL	SLF	C	BT		
1RFV63.577S	63	2	811.1	A.8	C.ACT	0.75	REL	SLF	C	BT		
1RFV63.602S	63	2	811.1	A.1	C.ACT	1	REL	SLF	C	BT		
1RFV63.603S	63	2	811.1	A.3	C.ACT	1	REL	SLF	C	BT		
1RFV63.604S	63	2	811.1	A.4	C.ACT	1	REL	SLF	C	BT		
1RFV63.605S	63	2	811.1	A.5	C.ACT	1	REL	SLF	C	BT		
1RFV63.626A	63	2	811.1	G.7	C.ACT	2	REL	SLF	C	BT		
1RFV63.627B	63	2	811.1	G.7	C.ACT	2	REL	SLF	C	BT		
1RFV63.637S	63	2	811.1	F.7	C.ACT	0.75	REL	SLF	C	BT		
1FCV63.064A	63	2	830.6	B.5	A.ACT	1	GL	DIA	C	QT.LT	AJ	RR.12 RR.13
OCKV67.503A.A	67	3	845.1	E.9	C.ACT	20	CK	SLF	C	CV		
OCKV67.503B.A	67	3	845.1	E.8	C.ACT	20	CK	SLF	C	CV		
OCKV67.503C.A	67	3	845.1	F.8	C.ACT	20	CK	SLF	C	CV		
OCKV67.503D.A	67	3	845.1	F.9	C.ACT	20	CK	SLF	C	CV		
OCKV67.503E.B	67	3	845.1	F.6	C.ACT	20	CK	SLF	C	CV		
OCKV67.503F.B	67	3	845.1	F.7	C.ACT	20	CK	SLF	C	CV		
OCKV67.503G.B	67	3	845.1	E.7	C.ACT	20	CK	SLF	C	CV		
OCKV67.503H.B	67	3	845.1	E.6	C.ACT	20	CK	SLF	C	CV		
1CKV67.508A.A	67	3	845.1	C.10	C.ACT	8	CK	SLF	C	CV		
1CKV67.508B.B	67	3	845.1	C.6	C.ACT	8	CK	SLF	C	CV		
1CKV67.513A.A	67	3	845.1	C.10	C.ACT	8	CK	SLF	C	CV		
1CKV67.513B.B	67	3	845.1	C.6	C.ACT	8	CK	SLF	C	CV		
1FCV67.022	67	3	845.1	G.9	B.ACT	24	BUT	MOT	O	QT	CS.25	
1FCV67.024	67	3	845.1	F.6	B.ACT	24	BUT	MOT	O	QT	CS.25	
1FCV67.065B	67	3	845.1	C.6	B.ACT	8	BUT	MOT	C	QT		

**TI  
APERTURE  
CARD**

Also Available On  
Aperture Card

8505070120-17

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1FCV67.066A	67	3	845.1	C.10	B.ACT	8	BUT	MOT	C	QT		
1FCV67.067B	67	3	845.1	C.6	B.ACT	8	BUT	MOT	C	QT		
1FCV67.068A	67	3	845.1	C.10	B.ACT	8	BUT	MOT	C	QT		
2CKV67.508A.A	67	3	845.1	C.8	C.ACT	8	CK	SLE	C	CV		
2CKV67.508B.B	67	3	845.1	C.4	C.ACT	8	CK	SLE	C	CV		
2CKV67.513A.A	67	3	845.1	C.8	C.ACT	8	CK	SLE	C	CV		
2CKV67.513B.B	67	3	845.1	C.4	C.ACT	8	CK	SLE	C	CV		
2FCV67.022	67	3	845.1	F.9	B.ACT	24	BUT	MOT	O	QT	CS.25	
2FCV67.024	67	3	845.1	G.6	B.ACT	24	BUT	MOT	O	QT	CS.25	
2FCV67.065B	67	3	845.1	C.4	B.ACT	8	BUT	MOT	C	QT		
2FCV67.066A	67	3	845.1	C.8	B.ACT	8	BUT	MOT	C	QT		
2FCV67.067B	67	3	845.1	C.4	B.ACT	8	BUT	MOT	C	QT		
2FCV67.068A	67	3	845.1	C.8	B.ACT	8	BUT	MOT	C	QT		
0FCV67.152	67	3	845.2	C.6	B.ACT	24	BUT	MOT	O	QT		
0FCV67.152B	67	3	845.2	B.7	B.ACT	24	BUT	MOT	C	QT		
1FCV67.081A	67	3	845.2	H.9	B.ACT	24	BUT	MOT	O	QT	CS.25	
1FCV67.082B	67	3	845.2	H.9	B.ACT	24	BUT	MOT	O	QT	CS.25	
1FCV67.123B	67	3	845.2	C.9	B.ACT	18	BUT	MOT	C	QT		
1FCV67.124B	67	3	845.2	D.3	B.ACT	18	BUT	MOT	C	QT		
1FCV67.125A	67	3	845.2	C.8	B.ACT	18	BUT	MOT	C	QT		
1FCV67.126A	67	3	845.2	C.7	B.ACT	18	BUT	MOT	C	QT		
1FCV67.146	67	3	845.2	C.7	B.ACT	24	BUT	MOT	O	QT	CS.26	
1FCV67.223A	67	3	845.2	A.6	B.ACT	24	BUT	MOT	C	QT		
1FCV67.458A	67	3	845.2	A.9	B.ACT	24	BUT	MOT	O	QT		
1FCV67.478B	67	3	845.2	B.7	B.ACT	24	BUT	MOT	O	QT	CS.26	

**TI**  
**APERTURE**  
**CARD**

**Also Available On**  
**Aperture Card**

8505070120-18

VALVES.....	SYS	CLASS	DWG.NO.	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
2FCV67.081A	67	3	845.2	H.2	B.ACT	24	BUT	MOT	0	QT	CS.25	
2FCV67.082B	67	3	845.2	H.2	B.ACT	24	BUT	MOT	0	QT	CS.25	
2FCV67.146	67	3	845.2	C.5	B.ACT	24	BUT	MOT		QT	CS.26	
2FCV67.223A	67	3	845.2	A.6	B.ACT	24	BUT	MOT	C	QT		
1CKV67.562A.A	67	2	845.3	G.4	AC.ACT	6	CK	SLF	C	CV.LT	CS.27 AJ	RR.12 RR.13
1CKV67.562B.B	67	2	845.3	E.4	AC.ACT	6	CK	SLF	C	CV.LT	CS.27 AJ	RR.12 RR.13
1CKV67.562C.A	67	2	845.3	F.4	AC.ACT	6	CK	SLF	C	CV.LT	CS.27 AJ	RR.12 RR.13
1CKV67.562D.B	67	2	845.3	D.4	AC.ACT	6	CK	SLF	C	CV.LT	CS.27 AJ	RR.12 RR.13
1CKV67.575A.A	67	2	845.3	G.4	AC.PAS	0.5	CK	SLF	C	LT	AJ	RR.12 RR.13
1CKV67.575B.B	67	2	845.3	E.4	AC.PAS	0.5	CK	SLF	C	LT	AJ	RR.12 RR.13
1CKV67.575C.A	67	2	845.3	F.4	AC.PAS	0.5	CK	SLF	C	LT	AJ	RR.12 RR.13
1CKV67.575D.B	67	2	845.3	D.4	AC.PAS	0.5	CK	SLF	C	LT	AJ	RR.12 RR.13
1CKV67.580A.A	67	2	845.3	C.3	AC.ACT	2	CK	SLF	0	CV.LT	AJ	RR.12 RR.13
1CKV67.580B.B	67	2	845.3	B.3	AC.ACT	2	CK	SLF	0	CV.LT	AJ	RR.12 RR.13
1CKV67.580C.A	67	2	845.3	B.3	AC.ACT	2	CK	SLF	0	CV.LT	AJ	RR.12 RR.13
1CKV67.580D.B	67	2	845.3	A.3	AC.ACT	2	CK	SLF	0	CV.LT	AJ	RR.12 RR.13
1CKV67.585A.A	67	2	845.3	C.4	AC.PAS	0.5	CK	SLF	C	LT	AJ	RR.12 RR.13
1CKV67.585B.B	67	2	845.3	B.4	AC.PAS	0.5	CK	SLF	C	LT	AJ	RR.12 RR.13
1CKV67.585C.A	67	2	845.3	C.4	AC.PAS	0.5	CK	SLF	C	LT	AJ	RR.12

**TI  
APERTURE  
CARD**

Also Available On  
Aperture Card

8505070120-19

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
												RR.13
1CKV67.585D.B	67	2	845.3	A.4	AC.PAS	0.5	CK	SLF	C	LT	AJ	RR.12 RR.13
<del>1FCV67.083A</del>	<del>67</del>	<del>2</del>	<del>845.3</del>	<del>G.4</del>	<del>A.ACT</del>	<del>6</del>	<del>BUT</del>	<del>MOT</del>	<del>0</del>	<del>QT.LT</del>	<del>CS.27</del> <del>AJ</del>	<del>RR.12</del> <del>RR.13</del>
1FCV67.087A	67	2	845.3	G.4	A.ACT	6	BUT	MOT	0	QT.LT	CS.27 AJ	RR.12 RR.13
<del>1FCV67.088B</del>	<del>67</del>	<del>2</del>	<del>845.3</del>	<del>G.4</del>	<del>A.ACT</del>	<del>6</del>	<del>BUT</del>	<del>MOT</del>	<del>0</del>	<del>QT.LT</del>	<del>CS.27</del> <del>AJ</del>	<del>RR.12</del> <del>RR.13</del>
1FCV67.091A	67	2	845.3	F.4	A.ACT	6	BUT	MOT	0	QT.LT	CS.27 AJ	RR.12 RR.13
<del>1FCV67.095A</del>	<del>67</del>	<del>2</del>	<del>845.3</del>	<del>F.4</del>	<del>A.ACT</del>	<del>6</del>	<del>BUT</del>	<del>MOT</del>	<del>0</del>	<del>QT.LT</del>	<del>CS.27</del> <del>AJ</del>	<del>RR.12</del> <del>RR.13</del>
1FCV67.096B	67	3	845.3	F.4	A.ACT	6	BUT	MOT	0	QT.LT	CS.27 AJ	RR.12 RR.13
<del>1FCV67.099B</del>	<del>67</del>	<del>2</del>	<del>845.3</del>	<del>F.4</del>	<del>A.ACT</del>	<del>6</del>	<del>BUT</del>	<del>MOT</del>	<del>0</del>	<del>QT.LT</del>	<del>CS.27</del> <del>AJ</del>	<del>RR.12</del> <del>RR.13</del>
1FCV67.103B	67	2	845.3	E.4	A.ACT	6	BUT	MOT	0	QT.LT	CS.27 AJ	RR.12 RR.13
<del>1FCV67.104A</del>	<del>67</del>	<del>2</del>	<del>845.3</del>	<del>F.4</del>	<del>A.ACT</del>	<del>6</del>	<del>BUT</del>	<del>MOT</del>	<del>0</del>	<del>QT.LT</del>	<del>CS.27</del> <del>AJ</del>	<del>RR.12</del> <del>RR.13</del>
1FCV67.107B	67	2	845.3	D.4	A.ACT	6	BUT	MOT	0	QT.LT	CS.27 AJ	RR.12 RR.13
<del>1FCV67.111B</del>	<del>67</del>	<del>2</del>	<del>845.3</del>	<del>D.4</del>	<del>A.ACT</del>	<del>6</del>	<del>BUT</del>	<del>MOT</del>	<del>0</del>	<del>QT.LT</del>	<del>CS.27</del> <del>AJ</del>	<del>RR.12</del> <del>RR.13</del>
1FCV67.112A	67	2	845.3	D.4	A.ACT	6	BUT	MOT	0	QT.LT	CS.27 AJ	RR.12 RR.13
<del>1FCV67.130A</del>	<del>67</del>	<del>2</del>	<del>845.3</del>	<del>C.4</del>	<del>A.ACT</del>	<del>2</del>	<del>PLUG</del>	<del>MOT</del>	<del>0</del>	<del>QT.LT</del>	<del>AJ</del>	<del>RR.12</del> <del>RR.13</del>
1FCV67.131B	67	2	845.3	C.4	A.ACT	2	PLUG	MOT	0	QT.LT	AJ	RR.12 RR.13
<del>1FCV67.133A</del>	<del>67</del>	<del>2</del>	<del>845.3</del>	<del>B.4</del>	<del>A.ACT</del>	<del>2</del>	<del>PLUG</del>	<del>MOT</del>	<del>0</del>	<del>QT.LT</del>	<del>AJ</del>	<del>RR.12</del> <del>RR.13</del>
1FCV67.134B	67	2	845.3	C.4	A.ACT	2	PLUG	MOT	0	QT.LT	AJ	RR.12

TI  
APERTURE  
CARD

Also Available On  
Aperture Card

8505070120-20

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
												RR.13
1FCV67.138B	67	2	845.3	B.4	A.ACT	2	PLUG	MOT	0	QT.LT	AJ	RR.12 RR.13
1FCV67.139A	67	2	845.3	B.4	A.ACT	2	PLUG	MOT	0	QT.LT	AJ	RR.12 RR.13
1FCV67.141B	67	2	845.3	A.4	A.ACT	2	PLUG	MOT	0	QT.LT	AJ	RR.12 RR.13
1FCV67.142A	67	2	845.3	A.4	A.ACT	2	PLUG	MOT	0	QT.LT	AJ	RR.12 RR.13
1FCV67.295A	67	2	845.3	C.4	A.ACT	2	PLUG	MOT	0	QT.LT	AJ	RR.12 RR.13
1FCV67.296A	67	2	845.3	C.4	A.ACT	2	PLUG	MOT	0	QT.LT	AJ	RR.12 RR.13
1FCV67.297B	67	2	845.3	B.4	A.ACT	2	PLUG	MOT	0	QT.LT	AJ	RR.12 RR.13
1FCV67.298B	67	2	845.3	A.4	A.ACT	2	PLUG	MOT	0	QT.LT	AJ	RR.12 RR.13
1FCV67.162	67	3	845.4	B.7	B.ACT	2	GA	DIA	0	QT		
1FCV67.164	67	3	845.4	B.9	B.ACT	2	GA	DIA	C	QT		
1FCV67.176	67	3	845.4	D.7	B.ACT	1.5	GA	DIA	C	QT		
1FCV67.182	67	3	845.4	D.9	B.ACT	1.5	GA	DIA	C	QT		
1FCV67.184	67	3	845.4	D.8	B.ACT	1.5	GA	DIA	C	QT		
1FCV67.186	67	3	845.4	D.9	B.ACT	1.5	GA	DIA	C	QT		
1FCV67.213	67	3	845.4	B.7	B.ACT	1.5	GA	DIA	0	QT		
1FCV67.215	67	3	845.4	B.9	B.ACT	1.5	GA	DIA	C	QT		
1FCV67.342	67	3	845.4	G.7	B.ACT	2	GA	DIA	0	QT		
1FCV67.344	67	3	845.4	G.8	B.ACT	2	GA	DIA	C	QT		
1FCV67.346	67	3	845.4	E.8	B.ACT	1.5	GA	DIA	0	QT		
1FCV67.348	67	3	845.4	E.9	B.ACT	1.5	GA	DIA	C	QT		
1FCV67.350	67	3	845.4	F.8	B.ACT	1.5	GA	DIA	0	QT		

**TI**  
**APERTURE**  
**CARD**

Also Available On  
Aperture Card

8505070120-21

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1FCV67.352	67	3	845.4	F.9	B.ACT	1.5	GA	DIA	C	QT		
1FCV67.354	67	3	845.4	F.8	B.ACT	1.5	GA	DIA	O	QT		
1FCV67.356	67	3	845.4	F.9	B.ACT	1.5	GA	DIA	C	QT		
2FCV67.217	67	3	845.4	B.2	B.ACT	2	GA	DIA	C	QT		
2FCV67.219	67	3	845.4	C.4	B.ACT	2	GA	DIA	O	QT		
2FCV67.336	67	3	845.4	A.2	B.ACT	1	GA	DIA	C	QT		
2FCV67.338	67	3	845.4	A.4	B.ACT	1	GA	DIA	C	QT		
0FCV67.205A	67	3	845.5	G.2	B.ACT	4	BUT	MOT	O	QT		
0FCV67.208B	67	3	845.5	G.2	B.ACT	4	BUT	MOT	O	QT		
1FCV68.307A	68	2	625.8	G.2	A.ACT	.375	GA	DIA	C	QT.LT	AJ	RR.12 RR.13
1FCV68.308B	68	2	625.8	F.1	A.ACT	.375	GA	DIA	O	QT.LT	AJ	RR.12 RR.13
1FCV68.332B	68	1	813.1	B.2	B.ACT	3	GA	MOT	O	QT		
1FCV68.333A	68	1	813.1	B.1	B.ACT	3	GA	MOT	O	QT		
1FSV68.394	68	2	813.1	F.7	B.ACT	1	PLUG	SOL	C	QT		
1FSV68.395	68	2	813.1	F.7	B.ACT	1	PLUG	SOL	C	QT		
1FSV68.396	68	2	813.1	F.5	B.ACT	1	PLUG	SOL	C	QT		RR.26
1FSV68.397	68	2	813.1	F.6	B.ACT	1	PLUG	SOL	C	QT		RR.26
1PCV68.334	68	1	813.1	B.1	B.ACT	3	GL	SOL	C	QT		RR.21
1PCV68.340A.A	68	1	813.1	B.1	B.ACT	3	GL	SOL	C	QT		RR.21
1RFV68.563S	68	1	813.1	A.3	C.ACT	6	REI	SLE	C	BT		
1RFV68.564S	68	1	813.1	A.2	C.ACT	6	REI	SLE	C	BT		
1RFV68.565S	68	1	813.1	A.1	C.ACT	6	REI	SLE	C	BT		
1FCV68.305A	68	2	830.6	G.6	A.ACT	0.75	GL	DIA	O	QT.LT	AJ	RR.12 RR.13
OCKV70.504B	70	3	859.1	E.8	C.ACT	16	CK	SLE	C	CV		

TI  
APERTURE  
CARD

Also Available On  
Aperture Card

8505070120-22



VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
0CKV70.753	70	3	859.1	F.10	C.ACT	8	CK	SLF	0	CV		
0FCV70.194B	70	3	859.1	B.4	B.ACT	20	BUT	MOT	0	QT		
0FCV70.206B	70	3	859.1	G.10	B.ACT	10	BUT	MOT	0	QT		
0FCV70.208A	70	3	859.1	B.1	B.ACT	10	BUT	MOT	0	QT		
1CKV70.504A.A	70	3	859.1	C.8	C.ACT	16	CK	SLF	C	CV		
1CKV70.504B.A	70	3	859.1	D.8	C.ACT	16	CK	SLF	C	CV		
1FCV70.066	70	3	859.1	E.3	B.ACT	2	ANG	DIA	0	QT		
1FCV70.207B	70	3	859.1	A.2	B.ACT	10	BUT	MOT	0	QT		
1REV70.538	70	3	859.1	E.3	C.ACT	3	REL	SLF	C	BT		
1CKV70.679A	70	2	859.2	H.4	AC.ACT	3	CK	SLF	0	CV.LT	CS.28 AJ	RR.12 RR.13
1CKV70.687A	70	2	859.2	G.9	AC.PAS	0.5	CK	SLF	C	LT	AJ	RR.12 RR.13
1CKV70.692A	70	2	859.2	G.3	AC.ACT	6	CK	SLF	0	CV.LT	CS.29 AJ	RR.12 RR.13
1CKV70.698A	70	2	859.2	E.9	AC.PAS	0.5	CK	SLF	C	LT	AJ	RR.12 RR.13
1FCV70.085B	70	2	859.2	D.10	A.ACT	6	BUT	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV70.087B	70	2	859.2	G.9	A.ACT	3	GA	MOT	0	QT.LT	CS.28 AJ	RR.12 RR.13
1FCV70.089B	70	2	859.2	E.9	A.ACT	6	BUT	MOT	0	QT.LT	CS.29 AJ	RR.12 RR.13
1FCV70.090A	70	2	859.2	E.10	A.ACT	3	GA	MOT	0	QT.LT	CS.28 AJ	RR.12 RR.13
1FCV70.092A	70	2	859.2	D.10	A.ACT	6	BUT	MOT	0	QT.LT	CS.29 AJ	RR.12 RR.13
1FCV70.134B	70	2	859.2	H.3	A.ACT	3	GA	MOT	0	QT.LT	CS.28 AJ	RR.12 RR.13
1FCV70.140B	70	2	859.2	G.3	A.ACT	6	BUT	MOT	0	QT.LT	CS.29 AJ	RR.12 RR.13

**TI  
APERTURE  
CARD**

Also Available On  
Aperture Card

8505070120-23

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1FCV70.143A	70	2	859.2	E.3	A.ACT	6	BUT	MOT	0	QT.LT	AJ	RR.12 RR.13
1RFV70.703	70	2	859.2	D.5	AC.ACT	3	REL	SLF	C	BT.LT	AJ	RR.12 RR.13
1FCV70.153B	70	3	859.4	F.3	B.ACT	18	BUT	MOT	C	QT		
1FCV70.156A	70	3	859.4	F.4	B.ACT	18	BUT	MOT	C	QT		
1CKV72.506A	72	2	812.1	B.11	C.ACT	12	CK	SLF	C	CV		
1CKV72.507B	72	2	812.1	D.11	C.ACT	12	CK	SLF	C	CV		
1CKV72.524A	72	2	812.1	D.7	C.ACT	10	CK	SLF	C	CV		
1CKV72.525B	72	2	812.1	B.7	C.ACT	10	CK	SLF	C	CV		
1CKV72.548A	72	2	812.1	D.3	C.ACT	10	CK	SLF	C	CV	PS.RR	RR.22
1CKV72.549B	72	2	812.1	B.3	C.ACT	10	CK	SLF	C	CV	PS.RR	RR.22
1CKV72.562A	72	2	812.1	F.3	C.ACT	8	CK	SLF	C	CV	PS.RR	RR.22
1CKV72.563B	72	2	812.1	E.3	C.ACT	8	CK	SLF	C	CV	PS.RR	RR.22
1FCV72.002B	72	2	812.1	B.4	A.ACT	10	GA	MOT	C	QT.LT	AJ	RR.12 RR.13
1FCV72.013B	72	2	812.1	B.6	B.ACT	3	GA	MOT	C	QT		
1FCV72.021B	72	2	812.1	B.10	B.ACT	12	GA	MOT	0	QT		
1FCV72.022A	72	2	812.1	C.10	B.ACT	12	GA	MOT	0	QT		
1FCV72.034A	72	2	812.1	C.6	B.ACT	3	GA	MOT	C	QT		
1FCV72.039A	72	2	812.1	D.4	A.ACT	10	GA	MOT	C	QT.LT	AJ	RR.12 RR.13
1FCV72.040A	72	2	812.1	F.5	B.ACT	8	GA	MOT	C	QT	CS.30	
1FCV72.041B	72	2	812.1	F.5	B.ACT	8	GA	MOT	C	QT	CS.30	
1FCV72.044A	72	2	812.1	G.4	B.ACT	12	GA	MOT	C	QT	CS.24	
1FCV72.045B	72	2	812.1	H.4	B.ACT	12	GA	MOT	C	QT	CS.24	
1RFV72.508	72	2	812.1	C.9	C.ACT	0.75	REL	SLF	C	BT		

**TI  
APERTURE  
CARD**

Also Available On  
Aperture Card

8505070120-24

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1RFV72.509	72	2	814.1	A.9	C.ACT	0.75	REL	SLF	C	BT		
1CKV74.514A	74	2	810.1	E.7	C.ACT	8	CK	SLF	C	CV	CS.31	PS
<del>1CKV74.515B</del>	<del>74</del>	<del>2</del>	<del>810.1</del>	<del>E.7</del>	<del>C.ACT</del>	<del>8</del>	<del>CK</del>	<del>SLF</del>	<del>C</del>	<del>CV</del>	<del>CS.31</del>	<del>PS</del>
1FCV74.001A	74	1	810.1	G.3	A.ACT	14	GA	MOT	C	QT.LT	CS.32	RR.23
1FCV74.002B	74	1	810.1	G.3	A.ACT	14	GA	MOT	C	QT.LT	CS.32	RR.23
1FCV74.003A	74	2	810.1	E.9	B.ACT	14	GA	MOT	O	QT		
1FCV74.008A	74	1	810.1	F.3	A.ACT	10	GA	MOT	C	QT.LT	CS.32	RR.23
1FCV74.009B	74	1	810.1	G.3	A.ACT	10	GA	MOT	C	QT.LT	CS.32	RR.23
1FCV74.012A	74	2	810.1	F.5	B.ACT	2	GA	MOT	O	QT		
1FCV74.016	74	2	810.1	E.4	B.ACT	3	BUT	DIA	O	QT		
1FCV74.021B	74	2	810.1	C.9	B.ACT	14	GA	MOT	O	QT		
1FCV74.024B	74	2	810.1	B.5	B.ACT	2	GA	MOT	O	QT		
1FCV74.028	74	2	810.1	C.4	B.ACT	8	BUT	DIA	O	QT		
1FCV74.033A	74	2	810.1	E.4	B.ACT	8	GA	MOT	O	QT		
1FCV74.035B	74	2	810.1	C.4	B.ACT	8	GA	MOT	O	QT		
1RFV74.505S	74	2	810.1	G.3	C.ACT	3	REL	SLF	C	BT		
1FCV77.009B	77	2	830.1	D.1	A.ACT	3	DIA	DIA	O	QT.LT	AJ	RR.12 RR.13
1FCV77.010A	77	2	830.1	E.1	A.ACT	3	DIA	DIA	O	QT.LT	AJ	RR.12 RR.13
1FCV77.016B	77	2	830.1	B.5	A.ACT	0.75	DIA	DIA	O	QT.LT	AJ	RR.12 RR.13
1FCV77.017A	77	2	830.1	B.6	A.ACT	0.75	DIA	DIA	C	QT.LT	AJ	RR.12 RR.13
1FCV77.018B	77	2	830.1	B.5	A.ACT	1	DIA	DIA	O	QT.LT	AJ	RR.12 RR.13
1FCV77.019A	77	2	830.1	B.6	A.ACT	1	DIA	DIA	O	QT.LT	AJ	RR.12 RR.13

**T1  
APERTURE  
CARD**

Also Available On  
Aperture Card

8505070120-25

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1FCV77.020A	77	2	830.1	C.6	A.ACT	1	DIA	DIA	C	QT.LT	AJ	RR.12 RR.13
1CKV77.849	77	2	830.6	G.6	AC.ACT	0.75	CK	SLF	C	CV.LT	CS.33 AJ	RR.12 RR.13
1CKV77.868	77	2	830.6	R.6	AC.ACT	1	CK	SLF	C	CV.LT	CS.33 AJ	RR.12 RR.13
1FCV77.127B	77	2	851.1	F.7	A.ACT	2	DIA	DIA	O	QT.LT	AJ	RR.12 RR.13
1FCV77.128A	77	2	851.1	F.7	A.ACT	2	DIA	DIA	O	QT.LT	AJ	RR.12 RR.13
1ISV78.557	78	2	855.1	G.8	A.PAS	4	DIA	MAN	C	LT	AJ	RR.12 RR.13
1ISV78.558	78	2	855.1	G.8	A.PAS	4	DIA	MAN	C	LT	AJ	RR.12 RR.13
1ISV78.560	78	2	855.1	G.8	A.PAS	6	DIA	MAN	C	LT	AJ	RR.12 RR.13
1ISV78.561	78	2	855.1	G.8	A.PAS	6	DIA	MAN	C	LT	AJ	RR.12 RR.13
1CKV81.502	81	2	819.1	F.4	AC.ACT	3	CK	SLF	C	CV.LT	CS.34 AJ	RR.12 RR.13
1FCV81.012A	81	2	819.1	F.4	A.ACT	3	DIA	DIA	O	QT.LT	AJ	RR.12 RR.13
1FCV82.160A.A	82	3	839.1	E.4	B.ACT	1.5	DIA	PNU	C	QT		
1FCV82.161B.A	82	3	839.1	E.9	B.ACT	1.5	DIA	PNU	C	QT		
1FCV82.170A.A	82	3	839.1	C.4	B.ACT	1.5	DIA	PNU	C	QT		
1FCV82.171B.A	82	3	839.1	C.9	B.ACT	1.5	DIA	PNU	C	QT		
1FCV82.190A.B	82	3	839.1	E.4	B.ACT	1.5	DIA	PNU	C	QT		
1FCV82.191B.B	82	3	839.1	E.9	B.ACT	1.5	DIA	PNU	C	QT		
1FCV82.200A.B	82	3	839.1	C.4	B.ACT	1.5	DIA	PNU	C	QT		
1FCV82.201B.B	82	3	839.1	C.9	B.ACT	1.5	DIA	PNU	C	QT		
2FCV82.220A.A	82	3	839.1	E.4	B.ACT	1.5	DIA	PNU	C	QT		

**TI**  
**APERTURE**  
**CARD**

Also Available On  
Aperture Card

8505070120-26

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
2FCV82.221B.A	82	3	839.1	E.9	B.ACT	1.5	DIA	PNU	C	QT		
2FCV82.230A.A	82	3	839.1	C.4	B.ACT	1.5	DIA	PNU	C	QT		
2FCV82.231B.A	82	3	839.1	C.9	B.ACT	1.5	DIA	PNU	C	QT		
2FCV82.250A.B	82	3	839.1	E.4	B.ACT	1.5	DIA	PNU	C	QT		
2FCV82.251B.B	82	3	839.1	E.9	B.ACT	1.5	DIA	PNU	C	QT		
2FCV82.260A.B	82	3	839.1	C.4	B.ACT	1.5	DIA	PNU	C	QT		
2FCV82.261B.B	82	3	839.1	C.9	B.ACT	1.5	DIA	PNU	C	QT		
1ISV84.530S	84	2	809.7	F.8	A.PAS	1	GA	MAN	C	LT	AJ	RR.12 RR.13
1CKV87.558S	87	1	811.2	E.1	AC.ACT	8	CK	SLF	C	CV.LT		RR.20 RR.23
1CKV87.559S	87	1	811.2	F.2	AC.ACT	8	CK	SLF	C	CV.LT		RR.20 RR.23
1CKV87.560S	87	1	811.2	F.2	AC.ACT	8	CK	SLF	C	CV.LT		RR.20 RR.23
1CKV87.561S	87	1	811.2	G.2	AC.ACT	8	CK	SLF	C	CV.LT		RR.20 RR.23
1CKV87.562S	87	1	811.2	E.4	AC.ACT	12	CK	SLF	C	CV.LT		RR.20 RR.23
1CKV87.563S	87	1	811.2	F.3	AC.ACT	12	CK	SLF	C	CV.LT		RR.20 RR.23
1FCV87.007A	87	1	811.2	E.3	A.ACT	2	GA	DIA	C	QT.LT	AJ	RR.12 RR.13
1FCV87.008A	87	1	811.2	E.3	A.ACT	2	GL	DIA	C	QT.LT	AJ	RR.12 RR.13
1FCV87.009B	87	2	811.2	E.4	A.ACT	2	GA	DIA	C	QT.LT	AJ	RR.12 RR.13
1FCV87.010B	87	2	811.2	F.5	B.ACT	0.75	GA	DIA	C	QT		
1FCV87.011B	87	2	811.2	F.5	B.ACT	2	GA	DIA	C	QT		
1FCV87.021D	87	2	811.2	F.6	B.ACT	12	GA	CYL	O	QT		RR.24

TI  
APERTURE  
CARD

Also Available On  
Aperture Card

8505070120-27

VALVES.....	SYS	CLASS	DWG.NO..	COORD	CATGRY	SIZE	TYPE	ACT	N.POS	TESTS	ALTER	RELIEF
1FCV87.022E	87	2	811.2	E.7	B.ACT	12	GA	CYL	0	QT		RR.24
1FCV87.023F	87	2	811.2	F.6	B.ACT	12	GA	CYL	0	QT		RR.24
1FCV87.024G	87	2	811.2	F.7	B.ACT	12	GA	CYL	0	QT		RR.24
1RFV87.556S	87	2	811.2	C.10	C.ACT	1.5	REL	SLF	C	BT		
1RFV87.557S	87	2	811.2	C.8	C.ACT	1.5	REL	SLF	C	BT		
RUPTURE DISK	87	2	811.2	B.7	D.ACT	12	RD	SLF	C	RD		
1FCV90.107A	90	2	610.90.3	A.9	A.ACT	1.5	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV90.108B	90	2	610.90.3	C.9	A.ACT	1.5	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV90.109B	90	2	610.90.3	C.9	A.ACT	1.5	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV90.110B	90	2	610.90.3	C.9	A.ACT	1.5	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV90.111A	90	2	610.90.3	D.9	A.ACT	1.5	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV90.113A	90	2	610.90.3	A.6	A.ACT	1.5	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV90.114B	90	2	610.90.3	C.5	A.ACT	1.5	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV90.115B	90	2	610.90.3	C.5	A.ACT	1.5	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV90.116B	90	2	610.90.3	C.5	A.ACT	1.5	GA	DIA	0	QT.LT	AJ	RR.12 RR.13
1FCV90.117A	90	2	610.90.3	D.6	A.ACT	1.5	GA	DIA	0	QT.LT	AJ	RR.12 RR.13

570

TI  
APERTURE  
CARD

Also Available On  
Aperture Card.

8505070120-28