

LISTING OF RUPTURE CCFs BY VALVE MANUFACTURER

This section lists combination capacity factors for various rupture disks or non-reclosing pressure relief devices in combination with various pressure relief valve types. See paragraphs UG-127 and UG-132 of Section VI II division 1 for more details on the application of these factors.

 Broady Flow Control Limited,East Yorkshire,

with disk from: Continental Disc Corporation (CDC)

Valve manufacturer

 Broady Flow Control Limited,East Yorkshire,

with rupture disks from:

 Continental Disc Corporation (CDC)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
93002	HPX	HPX	VIII Div. 1	3500
<i>Disk Cert Number 75585</i>				

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	15	316SS	0.999	11-May-2015

Crosby Valve, LLC ,St. Louis ,MO

with disk from: BS & B Safety Systems, LLC (BSB)

Valve manufacturer

Crosby Valve, LLC ,St. Louis ,MO

with rupture disks from:

BS & B Safety Systems, LLC (BSB)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15073	GFN	NF-7R	VIII	JB
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
2	90	NICKEL	0.974	19-Sep-1980
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15073	JRS	SRB-7RS	VIII	JB
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	76	STAINLESS	0.983	7-Jan-1983
1.5	22.5	MONEL	0.981	4-Jun-1986
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15073	RLS	SRB-7RS	VIII	JB
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	125	NICKEL	0.997	10-Jan-1989
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15073	S90	S90-7R or SRB-7RS	VIII	JB
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	126	NICKEL	0.955	7-Jan-1983
2	75	NICKEL	0.994	7-Jan-1983
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15073	SVI	SVI	VIII	JB
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	125	NICKEL	0.95	7-Jan-1983
2	90	NICKEL	0.96	7-Jan-1983
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15196	JRS	SRB-7RS	VIII	JO/HSU (Class 2 and 3)
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	76	STAINLESS	0.998	7-Jan-1983
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15196	S90	S90-7R or SRB-7RS	VIII	JO/HSU (Class 2 and 3)
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	126	NICKEL	0.959	7-Jan-1983
2	75	NICKEL	0.995	7-Jan-1983
1.5	100	NICKEL	0.972	5-Aug-1987
1.5	103	INCONEL	0.973	5-Aug-1987
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15196	SVI	SVI	VIII	JO/HSU (Class 2 and 3)
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	125	NICKEL	0.956	7-Jan-1983
2	90	NICKEL	0.967	7-Jan-1983

Crosby Valve, LLC ,St. Louis ,MO

with disk from: BS & B Safety Systems, LLC (BSB)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15242	S-90		VIII Div. 1	JPV, JPV-M, JPV-MT

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
2	100	Inconel	1	31-Oct-1995

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
36144	JRS	SRB-7RS	VIII	D, DB & ND, NDB

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	50	316 SS	0.989	10-Jun-1981
3	35	316 SS	0.978	10-Jun-1981
2	18.5	MONEL	0.975	4-Jun-1986

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
36144	S90	S90-7R or SRB-7RS	VIII	D, DB & ND, NDB

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	125	NICKEL	0.977	10-Jun-1981
3	60	NICKEL	0.994	10-Jun-1981

Crosby Valve, LLC ,St. Louis ,MO

with disk from: Continental Disc Corporation (CDC)

with rupture disks from:

Continental Disc Corporation (CDC)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15073	ULTRX, MINTRX, STARX	ULTRX, MINTRX,	VIII	JB

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	30	316 STAINLESS STEEL	0.993	21-Sep-1988
1.5	30	HASTELLOY	1	21-Sep-1988
1.5	30	INCONEL	0.991	21-Sep-1988
1.5	30	MONEL	0.994	21-Sep-1988
1.5	30	NICKEL	1	21-Sep-1988

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15073	ZAP	ZAP	VIII	JB

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	75	MONEL	0.99	3-Sep-1982
1	75	STAINLESS STEEL	0.987	3-Sep-1982
1.5	50	MONEL	0.983	3-Sep-1982
1.5	50	STAINLESS STEEL	0.976	3-Sep-1982

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15196	ULTRX, MINTRX, STARX	ULTRX, MINTRX,	VIII	JO/HSU (Class 2 and 3)

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	60	316 STAINLESS STEEL	0.989	21-Sep-1988
1	60	HASTELLOY	0.992	21-Sep-1988
1	60	INCONEL	0.994	21-Sep-1988
1	60	MONEL	0.993	21-Sep-1988
1	60	NICKEL	0.982	21-Sep-1988
1.5	30	316 STAINLESS STEEL	0.991	21-Sep-1988
1.5	30	HASTELLOY	0.987	21-Sep-1988
1.5	30	INCONEL	0.988	21-Sep-1988
1.5	30	MONEL	0.989	21-Sep-1988
1.5	30	NICKEL	0.986	21-Sep-1988
3	15	316 STAINLESS STEEL	0.998	21-Sep-1988
3	15	HASTELLOY	1	21-Sep-1988
3	15	INCONEL	0.999	21-Sep-1988
3	15	MONEL	1	21-Sep-1988
3	15	NICKEL	0.997	21-Sep-1988

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15196	ZAP	ZAP	VIII	JO/HSU (Class 2 and 3)

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	75	MONEL	0.986	3-Sep-1982
1	75	STAINLESS STEEL	0.98	3-Sep-1982
1.5	50	MONEL	0.98	3-Sep-1982
1.5	50	STAINLESS STEEL	0.981	3-Sep-1982
1	60	INCONEL	0.989	26-Aug-1988
1	60	NICKEL	0.994	26-Aug-1988
1.5	30	NICKEL	0.975	26-Aug-1988

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
36144	CDCV		VIII	D, DB & ND, NDB

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
3	15	Ni/Tef/Ni	0.966	3-Nov-1979

Crosby Valve, LLC ,St. Louis ,MO

with disk from: Continental Disc Corporation (CDC)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
36144	MINTRX, ULTRX, STARX	ULTRX, MINTRX,	VIII	D, DB & ND, NDB

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	46	TEFLON/NICKEL	0.984	19-Dec-1990

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
36144	ZAP		VIII	D, DB & ND, NDB

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	50	SS/Ni/SS	0.996	30-Jan-1980
3	15	Ni/Tef/Ni	0.966	30-Jan-1980

with rupture disks from:

Crosby Valve & Gage (CVH)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15196	RSD & VIP		VIII	JO/HSU (Class 2 and 3)

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
2	50	ALUMINUM	0.953	29-Mar-1979
2	50	NICKEL	0.968	29-Mar-1979

with rupture disks from:

Crosby Valve, LLC (CVM)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15196	COV	COV	VIII	JO/HSU (Class 2 and 3)

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
2	31	MONEL/TEFLON/MONEL	0.956	14-Aug-1986

with rupture disks from:

Fike Corporation (FIK)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
36144	MRK	MRK	VIII	D, DB & ND, NDB

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
3	31.5	NICKEL	0.993	7-Aug-1980
1	30	316SS	0.972	12-Sep-1980
1	50	NICKEL	0.988	12-Sep-1980
3	19.8	NICKEL	0.976	1-Jun-1987
3	21	316SS	0.946	1-Jun-1987

with rupture disks from:

Oklahoma Safety Equipment Company, Inc. (OSECO) (OSE)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
36144	FAS	FAS	VIII	D, DB & ND, NDB

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	90	NICKEL	0.989	18-Mar-1987

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
36144	PCR	PCR	VIII	D, DB & ND, NDB

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	90	NICKEL	0.982	18-Mar-1987

Dresser, LLC, Jacksonville, FL

with disk from: BS & B Safety Systems, LLC (BSB)

Valve manufacturer

Dresser, LLC, Jacksonville, FL

with rupture disks from:

BS & B Safety Systems, LLC (BSB)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18166	S90		VIII	1900E-2, 1900-30E-2

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	146	ALLOY 400	0.948	1-Jun-1994

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	GFN	NF-7R	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
2	89	NICKEL	0.987	8-Dec-1980

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	JRS	SRB-7RS, SRB-7FS	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	21	MONEL	0.996	12-Apr-1985
1	22.5	316 SS	0.988	12-Apr-1985
1	24	HASTELLOY C	0.99	12-Apr-1985

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	RB-90	RB-70	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	75	NICKEL	0.972	8-Dec-1978
2	45	NICKEL	0.954	8-Dec-1978
3	36	NICKEL	0.958	8-Dec-1978
1	74	NICKEL, TEFLON	0.976	29-Aug-1979

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	RLS	S90-7R, SRB-7RS, SRB-	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	81.9	NICKEL	0.965	30-Mar-1984
1	146	MONEL	0.977	12-Apr-1985
1	167	HASTELLOY C	0.974	12-Apr-1985
2	82.5	MONEL	0.971	12-Apr-1985
2	83	INCONEL	0.971	12-Apr-1985
2	112	HASTELLOY C	0.974	12-Apr-1985
3	62	MONEL	0.93	31-May-1985
1.5	95	INCONEL	0.956	28-Jul-1987

Dresser, LLC, Jacksonville, FL

with disk from: BS & B Safety Systems, LLC (BSB)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	S90	S90-7R, SRB-7RS, SRB-	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	75	Al Teflon	0.91	24-Jun-1977
1	125	NICKEL	0.954	24-Jun-1977
1.5	81.9	NICKEL	0.965	24-Jun-1977
2	45	Al Teflon	0.96	24-Jun-1977
2	75	NICKEL	0.969	24-Jun-1977
3	36	Al Teflon	0.98	24-Jun-1977
3	55	NICKEL	0.995	24-Jun-1977
2	85	316 SS	0.969	15-Apr-1980
2	85	316 TEFLON	0.968	15-Apr-1980
2	85	INCONEL	0.988	15-Apr-1980
2	85	INCONEL, TEFLON	0.994	15-Apr-1980
3	65	INCONEL, TEFLON	0.988	15-Apr-1980

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	S-90	S90-7R, SRB-7RS, SRB-	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	73	NICKEL	0.967	29-Aug-1979
1	73	NICKEL, TEFLON	0.989	29-Aug-1979

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	SVI		VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	76	NICKEL	0.964	29-Aug-1979
1.5	76	NICKEL, TEFLON	0.983	29-Aug-1979
4	40	NICKEL	0.971	29-Aug-1979
4	40	NICKEL, TEFLON	0.95	19-Sep-1979
3	85	INCONEL	0.986	15-Apr-1980

Dresser, LLC, Jacksonville, FL

with disk from: Continental Disc Corporation (CDC)

with rupture disks from:

Continental Disc Corporation (CDC)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18144	HPX (Air/Gas) <i>Cert number 75585</i>	HPX	VIII Div. 1	1900D-2, 1900-30D-2

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	15	316SS	0.998	6-Apr-2015

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18166	HPX (Air/Gas) <i>Cert number 75585</i>	HPX	VIII Div. 1	1900E-2, 1900-30E-2

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	15	316SS	0.995	9-Mar-2015

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	CDC	CDC	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	30	316SS/TEFLON	0.973	18-Oct-1985
1.5	30	ICONEL/TEFLON	0.963	18-Oct-1985
1.5	30	MONEL/TEFLON	0.97	18-Oct-1985
1.5	30	NICKEL/TEFLON	0.971	18-Oct-1985
3	15	316SS/TEFLON	0.977	18-Oct-1985
3	15	ICONEL/TEFLON	0.973	18-Oct-1985
3	15	MONEL/TEFLON	0.985	18-Oct-1985
3	15	NICKEL/TEFLON	0.98	18-Oct-1985

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	CDCV		VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
3	15	316SS/TEFLON/NICKEL	0.95	19-Oct-1985
3	15	316SS/TEFLON/NICKEL	0.953	19-Oct-1985
3	15	MONEL/TEFLON/MONEL	0.956	19-Oct-1985
3	15	NICKEL/TEFLON/NICKEL	0.95	19-Oct-1985

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	HPX (Air/Gas) <i>Cert number 75585</i>	HPX	VIII Div. 1	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	15	316SS	1	7-Apr-2015

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	ULTRX, MINTRX, STARX	ULTRX, MINTRX,	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	30	316SS	0.978	18-Oct-1985
1.5	30	316SS/TEFLON	0.967	18-Oct-1985
1.5	30	HASTELLOY C	0.97	18-Oct-1985
1.5	30	INCONEL	0.973	18-Oct-1985
1.5	30	MONEL	0.976	18-Oct-1985
1.5	30	NICKEL	0.977	18-Oct-1985
1.5	30	NICKEL/TEFLON	0.951	18-Oct-1985
3	15	316SS	0.97	18-Oct-1985
3	15	316SS/TEFLON	0.954	18-Oct-1985
3	15	HASTELLOY C	0.984	18-Oct-1985
3	15	INCONEL	0.98	18-Oct-1985
3	15	MONEL	0.975	18-Oct-1985
3	15	NICKEL	0.982	18-Oct-1985
3	15	NICKEL/TEFLON	0.956	18-Oct-1985

Dresser, LLC, Jacksonville, FL

with disk from: Continental Disc Corporation (CDC)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	ZAP	ZAP	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	50	SS/NICKEL/SS	0.984	2-Jan-1979
3	35	SS/NICKEL/SS	0.984	2-Jan-1979
3	15	316SS	0.966	18-Oct-1985
3	15	INCONEL	0.968	18-Oct-1985
3	15	MONEL	0.966	18-Oct-1985
3	15	NICKEL	0.967	18-Oct-1985
3	15	NICKEL/TEFLON	0.958	18-Oct-1985

Dresser, LLC, Jacksonville, FL

with disk from: Fike Corporation (FIK)

with rupture disks from:

Fike Corporation (FIK)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18166	Poly SD		VIII Div. 1	1900E-2, 1900-30E-2
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	59	NICKEL	0.99	23-Mar-1984
1	113	316SS	0.987	23-Mar-1984
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18166	Poly-SD CS <i>FIK-M80020</i>	GI	VIII Div. 1	1900E-2, 1900-30E-2
Min Size in	Min Set Pressure psi	Disk Material	CCF	Test Date
1	125	Aluminum	0.989	3-Feb-2004
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18166	Poly-SD DH <i>FIK-M80019</i>	GI	VIII Div. 1	1900E-2, 1900-30E-2
Min Size in	Min Set Pressure psi	Disk Material	CCF	Test Date
1	32	Aluminum	0.989	18-Feb-2004
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18166	SRL <i>FIK-M80031</i>	GI	VIII Div. 1	1900E-2, 1900-30E-2
Min Size in	Min Set Pressure psi	Disk Material	CCF	Test Date
1	27	Nickel	0.994	23-Feb-2004
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18166	SRX <i>FIK-M80042</i>	GI	VIII Div. 1	1900E-2, 1900-30E-2
Min Size in	Min Set Pressure psi	Disk Material	CCF	Test Date
1	95	Nickel	0.978	12-Feb-2004
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	ATLAS <i>Disk Cert # 80716.</i>	ATLAS	VIII Div. 1	1900, 1900-30, 1900-35
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	117	316 SS	0.98	6-Feb-2013
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	Axius <i>FIK-M80615</i>	GI	VIII Div. 1	1900, 1900-30, 1900-35
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	15	316SS	0.988	28-Apr-2008
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	FSR SCR D <i>M80075</i>	GI FSR A8911-1-4	VIII Div. 1	1900, 1900-30, 1900-35
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	240	Nickel	0.984	19-May-2015
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	HOV		VIII	1900, 1900-30, 1900-35
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
2	25	SS/TEFLON	0.976	15-Oct-1991
2	49.5	HASTELLOY/TEFLON	0.982	15-Oct-1991

Dresser, LLC, Jacksonville, FL

with disk from: Fike Corporation (FIK)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	MRK	MRK	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	53	NICKEL	0.979	26-Jan-1980
1	59	STAINLESS STEEL	0.976	26-Jan-1980
1.5	48	STAINLESS STEEL	0.979	26-Jan-1980
1.5	57	STAINLESS STEEL	0.992	26-Jan-1980
3	21	NICKEL	0.983	26-Jan-1980

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	Poly SD	Poly SD	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	58.5	NICKEL	0.992	17-Apr-1984
1	113	STAINLESS STEEL	0.986	17-Apr-1984
2	75	ALUMINUM/TEFLON	0.994	10-Oct-1991

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	Poly SD CS M80020	GI	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	115	Aluminum	0.9	10-Dec-2004

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	Poly SD DH M80019	GI	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	28	Aluminum	0.994	2-Dec-2004

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	Poly-SD Cross Score M80020	GI	VIII Div. 1	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	115	Aluminum	0.9	2-Dec-2004

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	SCRD-FS F Orifice Only		VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	450	TANTALUM	0.999	15-Oct-1991

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	SRL M80031	GI	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	27	Nickel	0.982	6-Dec-2004

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	SRX M80042	GI	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	95	Nickel	0.969	9-Dec-2004

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18447	HOV	HOV	VIII	3900 (39PV, 39MV pilots)

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
2	30	SS/TEFLON	0.985	15-Oct-1991

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18447	Poly SD	Poly SD	VIII	3900 (39PV, 39MV pilots)

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
2	55	ALUMINUM/TEFLON	0.989	15-Oct-1991

Dresser, LLC, Jacksonville, FL

with disk from: Oklahoma Safety Equipment Company, Inc. (OSECO) (OSE)

with rupture disks from:

Oklahoma Safety Equipment Company, Inc. (OSECO) (OSE)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	FAS	FAS	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	90	NICKEL	0.967	18-Mar-1987

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
18201	PCR	PCR	VIII	1900, 1900-30, 1900-35

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	90	NICKEL	0.972	18-Mar-1987

Valve manufacturer

Emerson Automation Solutions Final Control

with rupture disks from:

BS & B Safety Systems, LLC (BSB)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
06039	JRS	SRB-7RS	VIII	WB 300/400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	98.5	316-SS	0.993	20-Oct-1983

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
06039	S-90	S-90-7R OR SRB-7RS	VIII	WB 300/400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	148	Nickel	0.994	21-Oct-1983

Emerson Automation Solutions Final Control US LP,Stafford,TX with disk from: BS & B Safety Systems, LLC (BSB)

Valve manufacturer

Emerson Automation Solutions Final Control

with rupture disks from:

BS & B Safety Systems, LLC (BSB)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
01157	S90	S90-7R	VIII	223/423/623/923

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	150	Inconel, Teflon	0.96	21-Feb-1978
2	73	Nickel	0.96	21-Feb-1978
2	73	Nickel, Teflon	0.96	21-Feb-1978
6	38	Nickel	0.96	21-Feb-1978
6	41.5	Monel, Teflon	0.96	21-Feb-1978

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	CSR <i>Test at Crosby</i>	CSR-7RS	VIII Div. 1	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	50	Inconel	0.986	13-Aug-1997

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	JRS	SRB-7RS	VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	60	316 SS	0.993	23-Jul-1981
1.5	23	MONEL	0.981	4-Jun-1986

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	RLS	SRB-7RS	VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	138	MONEL	0.981	1-Mar-1991
1	172	HASTELLOY	0.972	1-Mar-1991
2	84.5	MONEL	0.981	1-Mar-1991

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	S90	S90-7R or SRB-7RS	VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	125	NICKEL	0.995	24-Jul-1981
2	75	NICKEL	0.994	24-Jul-1981

Emerson Automation Solutions Final Control US LP, Stafford, TX

with disk from: Continental Disc Corporation (CDC)

with rupture disks from:

Continental Disc Corporation (CDC)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	CDC		VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	60	MONEL/TEFLON	0.971	3-Sep-1982

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	CDC-FS		VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
3	15	MONEL/TEFLON	0.986	11-May-1990

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	CDCV FS		VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	60	316SS/TEFLON/316SS	0.985	26-Aug-1988
1	60	HASTELLOY/TEFLON/HAS	0.983	26-Aug-1988
1.5	30	316SS/TEFLON/316SS	0.976	26-Aug-1988
1.5	30	HASTELLOY/TEFLON/HAS	0.973	26-Aug-1988
3	15	316SS/TEFLON/316SS	0.982	26-Aug-1988
3	15	HASTELLOY/TEFLON/HAS	0.981	26-Aug-1988

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	CDCV LL		VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	60	316SS/TEFLON/316SS	0.978	26-Aug-1988
1	60	HASTELLOY/TEFLON/MON	0.96	26-Aug-1988
1	60	MONEL/TEFLON/MONEL	0.961	26-Aug-1988
1.5	30	316SS/TEFLON/315SS	0.959	26-Aug-1988
1.5	30	MONEL/TEFLON/MONEL	0.958	26-Aug-1988
1.5	30	NICKEL/TEFLON/MONEL	0.953	26-Aug-1988
3	15	316SS/TEFLON/316SS	0.953	26-Aug-1988
3	15	MONEL/TEFLON/MONEL	0.979	26-Aug-1988

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	DCV		VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
3	35	MONEL/TEFLON/MONEL	0.994	3-Sep-1982
3	35	SS/TEFLON/SS	0.978	3-Sep-1982

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	HPX (Air/Gas) Cert number 75585	HPX	VIII Div. 1	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	15	316SS	1	27-Feb-2015

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	KBA	KBA	VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	60	MONEL	0.984	3-Sep-1982

Emerson Automation Solutions Final Control US LP, Stafford, TX with disk from: Continental Disc Corporation (CDC)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	MICRO X		VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	150	MONEL	0.984	26-Aug-1988
1	150	NICKEL	0.99	26-Aug-1988
2	80	316 SS	0.991	26-Aug-1988
2	80	INCONEL	0.997	26-Aug-1988
2	80	MONEL	0.988	26-Aug-1988
2	80	NICKEL	0.992	26-Aug-1988

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	ULTRX, MINTRX, STARX	ULTRX, MINTRX,	VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	60	316 STAINLESS STEEL	0.98	21-Sep-1988
1	60	HASTELLOY	0.987	21-Sep-1988
1	60	INCONEL	0.984	21-Sep-1988
1	60	MONEL	0.98	21-Sep-1988
1	60	NICKEL	0.981	21-Sep-1988
1.5	30	316 STAINLESS STEEL	0.984	21-Sep-1988
1.5	30	HASTELLOY	0.986	21-Sep-1988
1.5	30	INCONEL	0.989	21-Sep-1988
1.5	30	MONEL	0.987	21-Sep-1988
1.5	30	NICKEL	0.981	21-Sep-1988
1.5	30	TANTALUM	0.978	21-Sep-1988
3	15	316 STAINLESS STEEL	0.985	21-Sep-1988
3	15	HASTELLOY	0.992	21-Sep-1988
3	15	INCONEL	0.991	21-Sep-1988
3	15	MONEL	0.987	21-Sep-1988
3	15	NICKEL	0.981	21-Sep-1988

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	ZAP	ZAP	VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	60	MONEL	0.985	3-Sep-1982
1	60	STAINLESS STEEL	0.985	3-Sep-1982
3	35	INCONEL	0.992	3-Sep-1982
3	35	MONEL	0.982	3-Sep-1982
3	35	NICKEL	1	3-Sep-1982
3	35	STAINLESS STEEL	0.97	3-Sep-1982
1	60	INCONEL	0.988	26-Aug-1988
1	60	NICKEL	0.992	26-Aug-1988
1.5	30	316 SS	0.955	26-Aug-1988
1.5	30	MONEL	0.955	26-Aug-1988
1.5	30	NICKEL	0.965	26-Aug-1988

with rupture disks from:

Crosby Valve & Gage (CVH)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	RSD		VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
2	50	ALUMINUM	0.975	5-Jun-1981
2	50	MONEL	0.969	5-Jun-1981
2	50	NICKEL	0.966	5-Jun-1981
2	100	STAINLESS STEEL	0.982	5-Jun-1981

Emerson Automation Solutions Final Control US LP,Stafford,TX

with disk from: Fike Corporation (FIK)

with rupture disks from:

Fike Corporation (FIK)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
01157	MRK	MRK	VIII	223/423/623/923

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	88	316 SS	0.9912	28-Dec-1978
1.5	67	316SS	0.9903	28-Dec-1978
1.5	74	316SS	0.9963	28-Dec-1978
3	39	TANTALUM	0.9934	28-Dec-1978
6	14.6	316SS	0.9621	28-Dec-1978

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
01191	MRK	MRK	VIII	273/473/576/673/973

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	62	NICKEL	0.988	17-Jul-1978

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	Atlas	Atlas-Lo w/spool	VIII Div. 1	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	200	316SS	0.985	11-Nov-2013

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	Axius	GI	VIII Div. 1	JOS-E/JBS-E/JOS-H-E 8400
<i>Disk Cert. No. 80558, test at Fike</i>				

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	15	316 SS	0.987	5-Nov-2008

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	MRK	MRK	VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	60	316SS	0.967	29-Jul-1981
1	60	NICKEL	0.977	29-Jul-1981
3	35	316SS	0.982	29-Jul-1981
3	35	NICKEL	0.995	29-Jul-1981

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	Poly -SD CS	GI	VIII Div. 1	JOS-E/JBS-E/JOS-H-E 8400
<i>Cert # 80020</i>				
<i>Test at Fike lab</i>				

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	124	Al	0.97	9-Jul-2004

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	Poly-SD DH	GI	VIII Div. 1	JOS-E/JBS-E/JOS-H-E 8400
<i>cert # 80019</i>				
<i>Test at Fike lab</i>				

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	32	Al	0.997	7-Jul-2004

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	SRL	GI	VIII Div. 1	JOS-E/JBS-E/JOS-H-E 8400
<i>cert # 80031</i>				
<i>Test at Fike lab</i>				

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	27	SST Ni	0.979	9-Jul-2004

Emerson Automation Solutions Final Control US LP, Stafford, TX with disk from: Fike Corporation (FIK)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	SRX <i>cert.# 80042</i> <i>Test at Fike lab</i>	GI	VIII Div. 1	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	95	Ni	0.996	8-Jul-2004

with rupture disks from:

Oklahoma Safety Equipment Company, Inc. (OSECO) (OSE)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	COV	COV	VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
2	31	MONEL/TEFLON/MONEL	0.979	14-Aug-1986

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	FAS	FAS	VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	90	NICKEL	0.975	18-Mar-1987

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
15208	PCR	PCR	VIII	JOS-E/JBS-E/JOS-H-E 8400

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	90	NICKEL	0.967	18-Mar-1987

Valve manufacturer

Emerson Automation Solutions Final Control,

with rupture disks from:

BS & B Safety Systems, LLC (BSB)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
36100	JRS	SRB-7RS	VIII	910 to 919

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	50	316 SS	0.981	13-Apr-1981

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
36100	S-90	S90-7R or SRB-7RS	VIII	910 to 919

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	125	NICKEL	0.945	13-Apr-1981

Farris Engineering,Brecksville,OH

with disk from: BS & B Safety Systems, LLC (BSB)

Valve manufacturer

Farris Engineering,Brecksville,OH

with rupture disks from:

BS & B Safety Systems, LLC (BSB)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	BV	FA7R	VIII	2600 & 2600S

Two disks were used in combination with the safety valve.

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
2	88	NICKEL	0.957	23-Jul-1980

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	CSR	CSR-7RS	VIII	2600 & 2600S

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	47	NICKEL	0.974	16-Nov-1989

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	GFN	NF-7R	VIII	2600 & 2600S

Two disks were used in combination with the safety valves.

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
2	90	NICKEL	0.982	9-Sep-1980

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	JRS	SRB-7RS	VIII	2600 & 2600S

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
3	40	NICKEL	0.967	8-Nov-1978
4	35	NICKEL	0.98	8-Nov-1978
3	52	HASTELLOY C	0.959	17-Nov-1982
1	50	HASTELLOY B-2	1	27-Oct-1983
1.5	23	MONEL	0.993	5-Jun-1986
1.5	25	STAINLESS STEEL	0.993	5-Jun-1986
1	40	INCONEL	0.996	28-May-1987
4	17	HASTELLOY C276	0.962	15-Oct-1990
4	14	316 SS	0.975	6-May-1991
4	14	HASTELLOY C276	0.956	6-May-1991

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	RB-90	RB-7R	VIII	2600 & 2600S

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	75	NICKEL	0.977	8-Dec-1978
1.5	54	NICKEL	0.967	8-Dec-1978
2	45	NICKEL	0.964	8-Dec-1978
3	37	INCONEL	0.994	2-Apr-1987
3	62	INCONEL	0.912	2-Apr-1987

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	RLS	SRB-7RS	VIII Div. 1	2600 & 2600S

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	124.7	Nickel	0.987	3-May-1984
3	53.1	Nickel	0.97	3-May-1984
1	175	HAST C276	0.994	27-Nov-1984
1.5	141	HAST C276	0.967	27-Nov-1984
1	144	INCONEL	0.992	5-Mar-1987
3	43	INCONEL	0.984	15-Apr-1987
1.5	94	INCONEL	0.957	25-Aug-1987
1	183	316 SS	0.978	5-Apr-1990
3	74.5	HASTELLOY C276	0.939	15-Oct-1990

Farris Engineering,Brecksville,OH

with disk from: BS & B Safety Systems, LLC (BSB)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	S90	S90-7R or SRB-7RS	VIII	2600 & 2600S

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	125	NI & NI TEFLON	0.993	8-Dec-1979
1	150	INC, INC/TEF & MON/T	0.963	8-Dec-1979
1.5	90	NI & NI TEFLON	0.951	8-Dec-1979
1.5	110	INC,INC/TEF&MON/TEF	0.951	8-Dec-1979
2	75	NI & NI TEFLON	0.979	8-Dec-1979
2	90	INC, INC/TEF, MON/T	0.988	8-Dec-1979
3	40	NI & NI TEFLON	0.955	8-Dec-1979
3	54	NI & NI TEFLON	1	8-Dec-1979
4	35	NI & NI TEFLON	0.98	8-Dec-1979
3	68	INCONEL	0.992	2-Aug-1986

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	XN	NX-7R	VIII	2600 & 2600S

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
2	83	316 SS	0.991	26-Oct-1988

Farris Engineering, Brecksville, OH

with disk from: Continental Disc Corporation (CDC)

with rupture disks from:

Continental Disc Corporation (CDC)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	CDC	CDC	VIII	2600 & 2600S

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	57	MONEL/TEFLON	0.976	19-Feb-1986
1	58	INCONEL/TEFLON	0.974	19-Feb-1986
1.5	27.5	INCONEL/TEFLON	0.97	19-Feb-1986
1.5	28	NICKEL/TEFLON	0.976	19-Feb-1986
1.5	28.5	MONEL/TEFLON	0.968	19-Feb-1986
1.5	29	SS/TEFLON	0.966	19-Feb-1986

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	CDCV	CVDC	VIII	2600 & 2600S

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	59	INC/TEFLON/INC	0.969	19-Feb-1986
1	59	MON/TEFLON/MON	0.969	19-Feb-1986
1	59	NICK/TEFLON/NICK	0.976	19-Feb-1986
3	15	INC/TEFLON/INC	0.976	19-Feb-1986
3	15	MONEL/TEFLON/MONEL	0.973	19-Feb-1986
3	15	NICK/TEFLON/NICK	0.992	19-Feb-1986
3	15	SS/TEFLON/SS	0.965	19-Feb-1986

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	HPX (Air/Gas) <i>Cert number 75585</i>	HPX	VIII Div. 1	2600 & 2600S

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	15	316SS	0.993	4-Mar-2015

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	MINTRX & ULTRX		VIII	2600 & 2600S

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	30	STAINLESS STEEL	0.989	5-Jun-1991

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	ULTRX, MINTRX, STARX	ULTRX, MINTRX,	VIII	2600 & 2600S

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	58	SS/INCONEL/SS	0.997	19-Feb-1986
1	58	SS/NICKEL/SS	1	19-Feb-1986
1	59	SS/MONEL/SS	0.999	19-Feb-1986
3	15	SS/INCONEL/SS	0.995	19-Feb-1986
3	15	SS/MONEL/SS	0.989	19-Feb-1986
3	15	SS/NICKEL/SS	0.984	19-Feb-1986
3	15	SS/SS/SS	0.978	19-Feb-1986

Farris Engineering, Brecksville, OH

with disk from: Continental Disc Corporation (CDC)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	ZAP	ZAP	VIII	2600 & 2600S

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	50	SS/NICKEL/SS	0.989	2-Jan-1979
3	35	SS/NICKEL/SS	0.985	2-Jan-1979
1	60	SS/ICON/SS/TEFLON	0.985	19-Feb-1986
1	60	SS/INCONEL/SS	0.987	19-Feb-1986
1	60	SS/MONEL/SS	0.982	19-Feb-1986
1	60	SS/MONEL/SS/TEFLON	0.982	19-Feb-1986
1	60	SS/NICKEL/SS	0.985	19-Feb-1986
1	60	SS/NICKEL/SS/TEFLON	0.986	19-Feb-1986
1.5	30	SS/316SS/SS	0.993	19-Feb-1986
1.5	30	SS/INCONEL/SS	0.985	19-Feb-1986
1.5	30	SS/MONEL/SS	0.981	19-Feb-1986
3	15	INC/NICKEL/SS	0.964	19-Feb-1986
3	15	SS/316SS/SS	0.963	19-Feb-1986
3	15	SS/INCONEL/SS	0.967	19-Feb-1986
3	15	SS/MONEL/SS	0.966	19-Feb-1986

Farris Engineering,Brecksville,OH

with disk from: Fike Corporation (FIK)

with rupture disks from:

Fike Corporation (FIK)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	ATLAS <i>Disk cert # 80716.</i>	ATLAS	VIII Div. 1	2600 & 2600S
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	198	316 SS	0.998	7-Feb-2013
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	Axius <i>FIK-M80615</i>	GI	VIII Div. 1	2600 & 2600S
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	15	316SS	1	5-Jun-2008
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	MRK	MRK	VIII	2600 & 2600S
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
3	34	NICKEL	0.983	5-Dec-1980
3	35	316SS	0.978	5-Dec-1980
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	Poly SD	Poly SD	VIII	2600 & 2600S
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	65.7	NICKEL	1	26-May-1988
1	142.2	INCONEL	1	26-May-1988
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	Poly-SD CS <i>FIK-M80020</i>	GI	VIII Div. 1	2600 & 2600S
Min Size in	Min Set Pressure psi	Disk Material	CCF	Test Date
1	125	Aluminum	0.958	11-Feb-2004
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	Poly-SD DH <i>FIK-M80019</i>	GI	VIII Div. 1	2600 & 2600S
Min Size in	Min Set Pressure psi	Disk Material	CCF	Test Date
1	32	Aluminum	0.999	24-May-2004
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	PSD	PSD	VIII	2600 & 2600S
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	74	SS	0.976	16-Jul-1980
1	79	NICKEL	0.997	16-Jul-1980
1.5	58	NICKEL	0.99	16-Jul-1980
2	83	PSD	0.974	25-Jul-1980
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	SRL		VIII Div. 1	2600 & 2600S
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	29.6	Nickel	0.993	15-Jun-2000
1	27	Nickel	0.996	21-May-2004
Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	SRX <i>FIK-M80042</i>	GI	VIII Div. 1	2600 & 2600S
Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	95	Nickel	0.969	25-May-2004

Farris Engineering,Brecksville,OH

with disk from: Oklahoma Safety Equipment Company, Inc. (OSECO) (OSE)

with rupture disks from:

Oklahoma Safety Equipment Company, Inc. (OSECO) (OSE)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	FAS	FAS	VIII	2600 & 2600S

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	90	NICKEL	0.987	18-Mar-1987

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	PCR	PCR	VIII	2600 & 2600S

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	90	NICKEL	0.961	18-Mar-1987

with rupture disks from:

ZOOK Canada Inc. (PEL)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
57057	SFA-II		VIII Div. 1	2600 & 2600S
	<i>Disk Cert #82044</i>			

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	125	Nickel	0.98	6-Feb-1997
1.5	90	Nickel	0.98	6-Feb-1997
2	70	Nickel	0.989	6-Feb-1997

Valve manufacturer

Fukui Seisakusho Company, Limited,Hirakata

with rupture disks from:

Fike Corporation (FIK)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
27032	MRKI-5		VIII	RE Series

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	57	316SS	0.985	10-Jul-1990
1.5	58	NICKEL	0.994	10-Jul-1990

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
27032	Poly SD	Poly SD	VIII	RE Series

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	58.5	NICKEL	0.999	10-Jul-1990

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
27032	SRX	GI	VIII Div. 1	RE Series
	<i>Disk cert. no. 80042</i>			

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1.5	85	Nickel	0.972	23-Mar-2005

Kunkle Valve Div.,Fort Wayne,IN

with disk from: BS & B Safety Systems, LLC (BSB)

Valve manufacturer

Kunkle Valve Div.,Fort Wayne,IN

with rupture disks from:

BS & B Safety Systems, LLC (BSB)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
36997	JRS	SRB-7RS	VIII	5000 through 5999 Series

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	50	316 SS	0.998	13-Apr-1981
3	35	316 SS	0.99	13-Apr-1981

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
36997	S90	S90-7R or SRB-7RS	VIII	5000 through 5999 Series

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	125	NICKEL	0.994	13-Apr-1981
3	60	NICKEL	0.998	13-Apr-1981

with rupture disks from:

Continental Disc Corporation (CDC)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
36997	ZAP	ZAP	VIII	5000 through 5999 Series

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	50	SS/Ni/CS	0.988	22-Aug-1979
3	35	SS/Ni/CS	0.992	22-Aug-1979

with rupture disks from:

Fike Corporation (FIK)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
36997	Poly SD	Poly SD	VIII	5000 through 5999 Series

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
2	50	NICKEL	1	8-Apr-1986

Valve manufacturer

LESER GmbH & Company KG,Hohenwestedt,

with rupture disks from:

Continental Disc Corporation (CDC)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
37224	HPX (Air/Gas)	HPX	VIII Div. 1	526
<i>Cert number 75585</i>				

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	15	316SS	1	12-Mar-2015

 Nakakita Seisakusho Company, Limited,Daito City, Osaka,

with disk from: BS & B Safety Systems, LLC (BSB)

Valve manufacturer

 Nakakita Seisakusho Company, Limited,Daito

with rupture disks from:

 BS & B Safety Systems, LLC (BSB)

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
42039	JRS	SRB-7RB	VIII	NS255

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	39	NICKEL	0.991	7-Sep-1989

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
42039	RLS	SRB-7RS	VIII	NS255

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	123	NICKEL	0.995	16-Nov-1989

Cert Number	Disk Type Number	Heads	Code Section	Valve Type
42039	S90	SRB-7RS	VIII	NS255

Min Size NPS	Min Set Pressure psi	Disk Material	CCF	Test Date
1	123	NICKEL	0.978	8-Sep-1989