

National Board Part 2S-1 Supplement Addendum OSECO, Broken Arrow, OK Disk Types: CO, LCO, LCVL, LCOR, COR, RLCOR, RLCVLR Certified for Gas or Liquid Date: 06/01/2000 K _{RGL} =1.0 Page 1			National Board Part 2S-1 Supplement Addendum OSECO, Broken Arrow, OK Disk Types: Angular Seat COV, LCOV, COVR, LCOVR, LCOVS, RLCVLR, LVCO (with new vacuum support H-3) Certify for both liquid and vapor Date: 06/01/2000 K _{RGL} =1.22 Page 1		
Disk Size In.	Net Flow Area Sq. In.	Min/Max Burst Pressure Psig	Disk Size In.	Net Flow Area Sq. In.	Min/Max Burst Pressure Psig
1	0.651	44/2000	1	0.65	44/2000
1.5	1.507	31/1400	1.5	1.50	31/1400
2	3.355	15/1100	2	3.35	15/1100
3	7.392	11/900	3	7.39	11/900
4	12.73	8/830	4	12.73	8/830
6	25.45	6/640	6	25.45	6/640
8	44.41	5/590	8	44.41	5/590
10	73.71	4/480	10	73.71	4/480
12	100.5	3/400	12	100.5	3/400
14	137.1	3/350	14	137.1	3/350
16	179.4	3/300	16	179.4	3/300
18	228.0	3/270	18	228.0	3/270
20	281.7	3/240	20	281.7	3/240
24	405.9	3/200	24	405.9	3/200

National Board Part 2S-1 Supplement Addendum OSECO, Broken Arrow, OK Disk Types: FAS, FASL, LFASL, LFAS, RFAS, RFASL, LRFAS, LRFASL, WDA/FASX Certify for vapor Date: 9/26/2000 Revised K _{RGL} =0.223 Page 1			National Board Part 2S-1 Supplement Addendum OSECO, Broken Arrow, OK Disk Types: FAS, FASL, LFASL, LFAS, RFAS, RFASL, LRFAS, LRFASL Certify for Liquid Date: 7/5/2000 K _{RGL} =0.19 Page 1		
Disk Size In.	Net Flow Area Sq. In.	Min/Max Burst Pressure Psig	Disk Size In.	Net Flow Area Sq. In.	Min/Max Burst Pressure Psig
1	0.864	70/4100	1	0.864	70/4100
1.5	2.036	50/4000	1.5	2.036	50/4000
2	3.355	40/3500	2	3.355	40/3500
3	7.393	25/2100	3	7.393	25/2100
4	12.73	25/2000	4	12.73	25/2000
6	28.89	25/1800	6	28.89	25/1800
8	50.0	30/1500	8	50.0	30/1500
10	78.9	35/1500	10	78.9	35/1500
12	113.1	35/1300	12	113.1	35/1300
14	137.9	40/1000	14	137.9	40/1000
18	233.7	50/800	18	233.7	50/800

National Board Part 2S-1 Supplement Addendum OSECO, Broken Arrow, OK Disk Types: PCR, PCRL Certify for vapor only Date: 6/13/01 Revised $K_{RGL}=2.17$ Page 1			National Board Part 2S-1 Supplement Addendum OSECO, Broken Arrow, OK Disk Types: Angular Seat STD, RSTD, STD, LSTD, STD, LRSTD, LRSTD, RSTD Date: 10/05/01 revised $K_{RGL}=0.88$ Page 1		
Disk Size In.	Net Flow Area Sq. In.	Min/Max Burst Pressure Psig	Disk Size In.	Net Flow Area Sq. In.	Min/Max Burst Pressure Psig
0.75	0.39	85/750	0.25	0.049	160/70000
1	0.6	95/1250	0.50	0.19	80/30000
1.5	1.3	70/1000	0.75	0.44	70/3000
2	2.5	45/1000	1	0.60	40/12000
3	4.8	35/1000	1.5	1.48	26/6000
4	8.0	30/800	2	2.85	16/6000
6	18.0	25/800	3	5.41	12/6000
8	32.0	35/700	4	10.3	9/6000
10	51.25	30/700	6	22.6	7/3600
			8	45.6	5/2100
			10	72.7	4/1400
			12	101	4/1000
			14	135	3/750
			16	176	3/500
			18	230	3/475
			20	279	2/450
			24	415	2/450

National Board Part 2S-1 Supplement Addendum OSECO, Broken Arrow, OK Disk Types: Flat Seat CO, LCO, LCVL, LCOR, COR, RLCOR, RLCVLR Date: 07/20/01 $K_{RGL}=0.50$ Page 1			National Board Part 2S-1 Supplement Addendum OSECO, Broken Arrow, OK Disk Type: PLRS, PLRSL, PLRSC Certify for both vapor and liquid Date: 12/02/98 $K_{RGL}=19.5$ Page 1		
Disk Size In.	Net Flow Area Sq. In.	Min/Max Burst Pressure Psig	Disk Size In.	Net Flow Area Sq. In.	Min/Max Burst Pressure Psig
1	0.864	44/2000	1.5	0.602	14/85
1.5	2.036	31/1400	2	1.493	12/85
2	3.355	15/1100			
3	7.393	11/900			
4	12.73	8/830			
6	28.89	6/640			
8	50.0	5/590			
10	75.74	4/480			
12	107.8	3/400			
14	137.8	3/350			
16	180.1	3/300			
18	233.7	3/270			
20	281.7	3/240			
24	405.9	3/200			
28	522.7	3/185			
30	634.7	3/175			
32	722.2	3/165			
36	914.3	3/150			
42	1244.9	3/135			

National Board Part 2S-1 Supplement Addendum OSECO, Broken Arrow, OK Disk type: Angular seat STDV, RSTDV, LSTDV, STDVLR All with redesigned vacuum support H-3 Certify for both liquid and vapor Date: 7/20/01 Revised $K_{RGL}=0.66$ Page 1			National Board Part 2S-1 Supplement Addendum OSECO, Broken Arrow, OK Disk types: SST, SSTL, FST, FSTL Certify for vapor and liquid Date: 7/20/01 revised $K_{RGL}=2.29$ Page 1		
Disk Size In.	Net Flow Area Sq. In.	Min/Max Burst Pressure Psig	Disk Size In.	Net Flow Area Sq. In.	Min/Max Burst Pressure Psig
1	0.60	40/12000	0.5	0.304	95/400
1.5	1.48	26/6000	1	0.864	55/400
2	2.85	16/6000	1.5	2.036	45/400
3	5.41	12/6000	2	3.355	40/400
4	10.3	9/6000	3	7.393	35/400
6	22.6	7/3600	4	12.73	30/400
8	45.6	5/2100	6	28.94	25/6500
10	72.7	4/1400	8	50.0	25/400
12	101	4/1000			
14	135	3/750			
16	176	3/500			
18	230	3/475			
20	279	2/450			
24	415	2/450			

National Board Part 2S-1 Supplement Addendum OSECO, Broken Arrow, OK Disk types: Flat seat STD, RSTD, STDL, LSTD, STDLR, LRSTDRL, RSTDR Date: 09/25/00 $K_{RGL}=0.20$ Page 1			National Board Part 2S-1 Supplement Addendum OSECO, Broken Arrow, OK Disk Types: GR/GRO Date: 1/14/02 $K_{RGL}=1.22$ Page 1		
Disk Size In.	Net Flow Area Sq. In.	Min/Max Burst Pressure Psig	Disk Size In.	Net Flow Area Sq. In.	Min/Max Burst Pressure Psig
0.1875	0.027	220/20000	1	0.714	20/150
0.5	0.196	125/10000	1.5	1.606	13/150
0.6875	0.371	90/15000	2	2.856	10/150
0.75	0.441	85/15000	3	6.426	7/150
1	0.864	45/5000	4	11.425	5/150
1.5	2.036	33/3700	6	25.706	3/150
2	3.355	25/2800	8	45.699	2.5/150
3	7.393	18/2000	10	71.405	2.5/150
4	12.73	14/1500			
6	28.99	10/1000			
8	50.0	8/825			
10	78.9	6/675			
12	111.9	5/550			
14	135.3	4/490			
16	176.7	4/430			
18	224.0	3/380			