

15035

Taylor Valve Technology, Inc

8300 Southwest 8th Street
Oklahoma City, Oklahoma

Serial Number : 010010-97 telephone: 405.787.0145 facsimile: 405.789.8198

Certificate Number: 40630.4089

OGO1316.2C email: info@taylorvalve.com

Customer : KINGS ENERGY SERVICES

Date : 28-Mar-11

277, 28042 HWY 11

RED DEER COUNTY, ALBERTA

T4S 2L4

Sales Order #: 010010

Customer P.O. #: 117593

Safety Relief Valve Certification

Taylor Valve Technology, Inc. Safety Relief Valves are designed, manufactured and tested in accordance with the provisions of the ASME Boiler and Pressure Vessel Code, Section VIII. This Valve is certified to relieve within plus or minus 2 psi of the set pressure 70 psig or below, and plus or minus 3% of set point for pressures above 70 psig, as allowed for within the provisions of ASME. The published relieving capacities have been certified by the National Board of Boiler and Pressure Vessel Inspectors.

Valve Specifications

Model Number : Taylor Model 8200 Soft Seat	Orifice :	E
Body Size : 1 Inch	Orifice Diameter :	0.520 Inches
Part Number : 82E4351311	Orifice Area :	0.212 in ²
Body Configuration : 1" MNPT X 1" FNPT	Operating Temperature :	70 °F
	Spring Range :	101-225 PSI
	Set Pressure :	150 PSIG

Materials

Body : WCB Carbon Steel	Spring : 17.7 PH Stainless Steel
Seat Frame : Carbon Steel	Guide : 304 Stainless Steel
Seat Housing : 17.4 PH H900 Stainless Steel	Adjustment Screw : Carbon Steel with EN Plating
Trim : Standard	Options : None
Seat : FKM 90d	

Set Pressure Specifications

	Customer Units	ASME Units	
Set Pressure :	150 psig	Set Pressure :	150 psig
ASME High Set Limit :	155 psig	ASME High Set Limit :	155 psig
ASME Low Set Limit :	146 psig	ASME Low Set Limit :	146 psig
ASME (90%) rated capacity at set pressure for indicated fluid, specific gravity and temperature.			
Certifying Fluid : Air	582 SCFM	Spec Gravity : 1.00	Temp : 60 oF
API 520 (100%) calculated capacity at set pressure for indicated fluid, specific gravity and temperature.			
Test Fluid : Air	640 SCFM	Spec Gravity : 1.00	Temp : 60 oF

Prepared by : CALEY ROONEY

Department : Customer Service

Signed

CALEY ROONEY

Approved by : SAMANTHA GRUNDY

Department : Quality

Signed

SAMANTHA GRUNDY

Taylor Valve Technology, Inc

8300 Southwest 8th Street

Oklahoma City, Oklahoma

Serial Number : 010610-14 telephone: 405.787.0145 facsimile: 405.789.8198

Certificate Number: 40653.6053

OGO1316.2C email: info@taylorvalve.com

Customer : KINGS ENERGY SERVICES

Date : 20-Apr-11

277, 28042 HWY 11

RED DEER COUNTY, ALBERTA

T4S 2L4

Sales Order # : 010610

Customer P.O. # : 117825

Safety Relief Valve Certification

Taylor Valve Technology, Inc. Safety Relief Valves are designed, manufactured and tested in accordance with the provisions of the ASME Boiler and Pressure Vessel Code, Section VIII. This Valve is certified to relieve within plus or minus 2 psi of the set pressure 70 psig or below, and plus or minus 3% of set point for pressures above 70 psig, as allowed for within the provisions of ASME. The published relieving capacities have been certified by the National Board of Boiler and Pressure Vessel Inspectors.

Valve Specifications

Model Number : Taylor Model 8200 Soft Seat	Orifice :	E
Body Size : 1 Inch	Orifice Diameter :	0.520 Inches
Part Number : 82E8351311	Orifice Area :	0.212 In ²
Body Configuration : 1" MNPT X 1" FNPT	Operating Temperature :	70 °F
	Spring Range :	1201-1600 PSI
	Set Pressure :	1440 PSIG

Materials

Body : WCB Carbon Steel	Spring : 17.7 PH Stainless Steel
Seat Frame : Carbon Steel	Guide : 304 Stainless Steel
Seat Housing : 17.4 PH H900 Stainless Steel	Adjustment Screw : Carbon Steel with EN Plating
Trim : Standard	Options : None
Seat : FKM 90d	

Set Pressure Specifications

	Customer Units	ASME Units
Set Pressure :	1440 psig	Set Pressure : 1440 psig
ASME High Set Limit :	1483 psig	ASME High Set Limit : 1483 psig
ASME Low Set Limit :	1397 psig	ASME Low Set Limit : 1397 psig

ASME (90%) rated capacity at set pressure for indicated fluid, specific gravity and temperature.

Certifying Fluid : Air	5,180 SCFM	Spec Gravity : 1.00	Temp : 60 oF
------------------------	------------	---------------------	--------------

API 520 (100%) calculated capacity at set pressure for indicated fluid, specific gravity and temperature.

Test Fluid : Air	5,698 SCFM	Spec Gravity : 1.00	Temp : 60 oF
------------------	------------	---------------------	--------------

Prepared by : CALEY ROONEY

Department : Customer Service

Signed CALEY ROONEY

Approved by : SAMANTHA GRUNDY

Department : Quality

Signed SAMANTHA GRUNDY



Scada Systems

CALIBRATION REPORT

Calibration Equipment Used

DATE : 20-Apr-11
COMPANY : RJV Gasfield Services
S/N # : 2011042003
TECH : Igor Kurnjicki

SIGNATURE:

Serial #	Fluke 744 Process Calibrator
7784016	Fluke 700P29 3000 psi Pressure Module
68002912	Fluke 700P31 10000 psi Pressure Module
98203110	

INSTRUMENT INFORMATION

Manufacturer: Swagelok	Model Number: SS-4R3A5-EP
Calibration Date: Apr. 20, 2011	Range: 3000-4000 PSI

CALIBRATION DATA

CRACK SET POINT	ACTUAL	FOUND	LEFT
0	0	0	0
N/A	N/A	N/A	N/A
3700 PSI	3700 PSI	N/A	3700 PSI

NOTES :

Installed 3000-4000 psi spring and calibrated.



CALIBRATION REPORT

Calibration Equipment Used

20-Apr-11

RJV Gasfield Services

011042020

Bryan Ziegler

[Handwritten signature]

Serial #

Fluke 744 Process Calibrator

7784016

Fluke 700P29 3000
nei Pressura Modile

68002912

Fluke 700P31 10000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

INSTRUMENT INFORMATION

Manufacturer: Swagelok

Model Number: SS-4R3A5-EP

Calibration Date: Apr. 20, 2011

Range: 750-1500 PSI

CALIBRATION DATA

CALIBRATION DATA			
CRACK SET POINT	ACTUAL	FOUND	LEFT
0	0	0	0
N/A	N/A	N/A	N/A
1440 PSI	1440 PSI	N/A	1440 PSI

NOTES:
Installed 750-1500 psi spring and calibrated.

Installed 700-1000 psi spring and connector.