

Sheet # 14936

Taylor Valve Technology, Inc

8300 Southwest 8th Street
Oklahoma City, Oklahoma

Serial Number : 007956-68 telephone: 405.787.0145 facsimile: 405.789.8198

Certificate Number: 40541-3507

OGO1316-2 email: info@taylorvalve.com

Customer : KINGS ENERGY SERVICES

Date : 29-Dec-10

277, 28042 HWY 11

RED DEER COUNTY, ALBERTA

T4S 2L4

Sales Order # : 007956

Customer P.O. # : 116332

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 : CALEY ROONEY

Department : Quality

Signed CALEY ROONEY

Taylor Valve Technology, Inc

8300 Southwest 8th Street

Oklahoma City, Oklahoma

Serial Number : 008829-67 telephone: 405.787.0145 facsimile: 405.789.8198

Certificate Number: 40590.6119

OGO1316.2 email: info@taylorvalve.com

Customer : KINGS ENERGY SERVICES

Date : 16-Feb-11

277, 28042 HWY 11

RED DEER COUNTY, ALBERTA

Sales Order # : 008829

T4S 2L4

Customer P.O. # : 117232

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

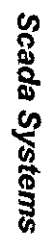
Department : Customer Service

Signed CALEY ROONEY

Approved by : SAMANTHA GRUNDY

Department : Quality

Signed SAMANTHA GRUNDY



CALIBRATION REPORT

Calibration Equipment Used

14-Feb-11

RJV Gasfield Services

2011021411

Ryan Heit

SIGNATURE:

Yuan Shi

Fluke 744 Process

Serial #

Calibrator

7784016

Fluke 700P29 3000

| | |
|---------------------|----------|
| psi Pressure Module | 68002912 |
|---------------------|----------|

F1uke 700P31 10000

| | |
|---------------------|----------|
| psi Pressure Module | 98203110 |
|---------------------|----------|

INSTRUMENT INFORMATION

Manufacturer: Swagelok

Model Number: SS-4R3A5-EP

Calibration Date: Feb. 14, 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

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CALIBRATION REPORT

Calibration Equipment Used

7-Feb-11

RJV Gasfield Services

2011020714

Igor Kurnijicki



Fluke 744 Process Calibrator

Serial #

| | |
|------------|---------|
| Calibrator | 7784016 |
|------------|---------|

F1uke 700P29 3000
nei Pressure Modile
68002912

F1uke 700P31 10000

| | |
|---------------------|----------|
| psi Pressure Module | 98203110 |
|---------------------|----------|

INSTRUMENT INFORMATION

Manufacturer: Swagelok

Model Number: SS-4R3A5-EP

Calibration Date: Feb. 07, 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.
