API 6D Thru Conduit
Slab & Expanding Gate
Installation, Operation
& Maintenance Manual

SCV Valve
3521 FM 646 Rd. North
Santa Fe, TX 77510

An API 6D & API 6A Monogrammed Company

Note: SCV reserves the right to change any technical design and dimensional data without prior notice. Please contact SCV to confirm all Dimensions and Data offered in this catalog.
SCV Valve’s product family has you covered for all of your upstream, midstream and downstream applications. Take advantage of our large ready-to-ship inventory of standard and hard-to-find valves. Call us today @ (281) 482-4728, for fast delivery!

**Meet the Family**

**The “Go-To Source” For All Your Valve Needs**

SCV Valve’s product family has you covered for all of your upstream, midstream and downstream applications. Take advantage of our large ready-to-ship inventory of standard and hard-to-find valves. Call us today @ (281) 482-4728, for fast delivery!

**API 6D Piston Checks**
- Size: 2” - 24”
- Class: 150 - 2500

**API 6A Trunnion Balls**
- Size: 2-1/16” - 13-5/8”
- Pressure: 2K, 3K, & 5K

**API 6D Lubricated Plugs**
- Size: 2” - 36”
- Class: 150 - 2500

**API 6D Full Port Swing Checks**
- Size: 2” - 36”
- Class: 150 - 2500

**API 6D Trunnion Balls**
- Size: 2” - 42”
- Class: 150 - 2500

**API 6A 623 Globes**
- Size: 2” - 24”
- Class: 150 - 2500

**API 594 Dual Plate Checks**
- Size: 1.5” - 36”
- Class: 150 - 2500

**API 6D Thru Conduit Gates**
- Size: 2” - 42”
- Class: 150 - 2500

**API 600 Gates**
- Size: 2” - 48”
- Class: 150 - 2500

**B16.34 Floating Balls**
- Size: 1/2” - 12”
- Class: 150 - 2500
Complete Product Line

BOLTED BONNET GLOBES
Carbon & Stainless
Sizes: 2" - 48"
Class: 150 - 2500
Design: API 6D

BOLTED COVER FULL PORT SWING CHECKS
Carbon & Stainless
Sizes: 2" - 36"
Class: 150 - 2500
Design: API 6D

FLOATING BALL VALVES - 1-PIECE REDUCED PORT & 2-PIECE FULL PORT
Carbon & Stainless
Sizes: 1/2" - 12"
Class: 150 - 1500
Design: B16.34

BOLTED BONNET OSGY WEDGE GATES
Carbon & Stainless
Sizes: 2" - 48"
Class: 150 - 2500
Design: API 6D

COVER PISTON CHECKS
Carbon Steel
Sizes: 2" - 24"
Class: 150 - 2500
Design: API 6D

3-PIECE TRUNNION BALLS
Carbon & Stainless
Sizes: 2" - 42"
Pressure: 2000, 3000 & 5000
Design: API 6A

PRESSURE BALANCED LUBRICATED PLUGS
Carbon Steel
Sizes: 2" - 36"
Class: 150 - 2500
Design: API 6D

3-PIECE TRUNNION BALLS BOLTED & WELDED BODY
Carbon & Stainless
Sizes: 2" - 42"
Class: 150 - 2500
Design: API 6D

BOLTED COVER FULL PORT SWING CHECKS
Carbon & Stainless
Sizes: 2" - 36"
Class: 150 - 2500
Design: API 6D

DUAL PLATE CHECKS - WAFER & LUG
Carbon & Stainless
Wafer Sizes: 3.5" - 36"
Wafer Class: 150 - 2500
Lug Sizes: 2" - 36"
Lug Class: 150 - 900
Design: API 594

3-PIECE TRUNNION BALLS
Carbon & Stainless
Sizes: 2-1/16" - 13-5/8"
Pressure: 2000, 3000 & 5000
Design: API 6A

THRU CONDUIT GATES - SLAB & EXPANDING
Carbon Steel
Sizes: 2" - 42"
Class: 150 - 1500
Design: API 6D

COVER PISTON CHECKS
Carbon Steel
Sizes: 2" - 24"
Class: 150 - 2500
Design: API 6D

3-PIECE TRUNNION BALLS
Carbon & Stainless
Sizes: 2" - 42"
Class: 150 - 2500
Design: API 6D
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1. APPLICATION AND PERFORMANCE SPECIFICATIONS

1.1 Application
The product can be used in transportation piping systems, vent systems and storage equipment of kinds of medium, such as natural gas, petroleum, and finished oil, as an opening and closing device.

1.2 Performance specifications

<table>
<thead>
<tr>
<th>Nominal Pressure [Class]</th>
<th>Hydrostatic Shell Test</th>
<th>Hydrostatic Seat Test</th>
<th>High/Low Pressure Back Seat</th>
<th>Gas Seat Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL150</td>
<td>450</td>
<td>325</td>
<td>325/80</td>
<td>80</td>
</tr>
<tr>
<td>CL300</td>
<td>1125</td>
<td>825</td>
<td>825/80</td>
<td>80</td>
</tr>
<tr>
<td>CL600</td>
<td>2225</td>
<td>1650</td>
<td>1650/80</td>
<td>80</td>
</tr>
<tr>
<td>CL900</td>
<td>3350</td>
<td>2450</td>
<td>2450/80</td>
<td>80</td>
</tr>
<tr>
<td>CL1500</td>
<td>5575</td>
<td>4075</td>
<td>4075/80</td>
<td>80</td>
</tr>
<tr>
<td>CL2500</td>
<td>9275</td>
<td>6800</td>
<td>6800/80</td>
<td>80</td>
</tr>
</tbody>
</table>

2. MATERIALS FOR MAIN PARTS

<table>
<thead>
<tr>
<th>Part Name</th>
<th>Standard Type Soft Seat</th>
<th>Standard Type Metal Seat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body</td>
<td>Carbon Steel</td>
<td>Carbon Steel</td>
</tr>
<tr>
<td>Bonnet</td>
<td>Carbon Steel</td>
<td>Carbon Steel</td>
</tr>
<tr>
<td>Yoke</td>
<td>Carbon Steel</td>
<td>Carbon Steel</td>
</tr>
<tr>
<td>Stem</td>
<td>Stainless Steel</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Seat</td>
<td>Stainless Steel</td>
<td>Carbon Steel + Stellite</td>
</tr>
<tr>
<td>Gate</td>
<td>Stainless Steel</td>
<td>Carbon Steel + Stellite</td>
</tr>
<tr>
<td>Packing</td>
<td>Viton + PTFE + Expanded Graphite</td>
<td>Viton + PTFE + Expanded Graphite</td>
</tr>
<tr>
<td>Gland Flange</td>
<td>Carbon Steel</td>
<td>Carbon Steel</td>
</tr>
<tr>
<td>Stem Nut</td>
<td>Casting Copper Alloy</td>
<td>Casting Copper Alloy</td>
</tr>
<tr>
<td>Sealing Face</td>
<td>Soft, Hard Sealing</td>
<td>Metal to Metal</td>
</tr>
<tr>
<td>Seat Insert</td>
<td>PTFE</td>
<td>Stellite</td>
</tr>
<tr>
<td>Gasket</td>
<td>304 + Flexible Graphite</td>
<td>304 + Flexible Graphite</td>
</tr>
</tbody>
</table>

The materials can be selected upon customers’ different requirements and product design specifications.

3. REMOVING VALVE FROM STORAGE

3.1 When removing the valve from storage, inspect it for damage.

3.2 Just prior to installing the valve, remove the protective covering and end-caps to ensure the serrations on flange face are not damaged and the bore is clean. Clean the valve with approved solutions as necessary.

4. INSTALLATION

Caution: SCV expanding gate valves in liquid service must be equipped with a thermal relief system (if the thermal relief system utilizes needle valves, they must be in the OPEN position prior to valve operation). Failure to do so may result in a catastrophic malfunction. In the event the expanding gate valve body cavity needs to be depressurized, please refer to step 11, Thru Conduit Expanding Gate Valve Body Bleed Procedure.

4.1 Before installing a new valve, confirm that the specifications of the valve matches those of the intended installation area. The nameplate will provide the necessary information. If this information is missing, consult SCV.
**Important:** If the valve and actuator are delivered separately, SCV recommends utilizing a qualified technician to mount the actuator to the valve, make all necessary adjustments, fully test and debugged the unit before installing the valve in the pipeline.

**Caution:** Prior to valve installation, ensure the pipeline is clean. Pipeline foreign debris, scaling, etc. will damage the soft seat inserts of the valve and cause seat leakage during commissioning.

4.2 SCV’s preference is that thu-conduit gate valves be installed in the vertical orientation. The horizontal orientation is acceptable as shown below.

**Note:** It may be necessary to adequately support valve actuation in order to protect the valve and/or actuator from improper weight distribution and excess stress. To ensure actuation mounting and supports are adequate during operation, please contact SCV before mounting and installation.
4.3 Install the expanding thru conduit gate valve with the gate segments in the OPEN POSITION. The preferred pressure side of the valve MUST BE INSTALLED TO THE UPSTREAM PIPE as shown below.

Figure 1: Upstream Pressure Side of Valve

4.4 During commissioning and pipeline flushing, the valve must remain in the full-OPEN position to prevent damage to internal parts. Impurities and foreign debris entering the valve body may cause damage to sealing surfaces resulting in malfunction.

Caution: To prevent damage to the valve, SCV recommends first installing a spool piece instead of the valve while flushing the pipeline. If a spool piece is not an option, install strainers at critical locations upstream from the location to remove foreign debris. It is pertinent that the valve remain in the full-OPEN position during flushing.

5. INSTALLATION OF VALVE WITH WELDING ENDS

5.1 When preparing the valve for installation, clean the bore free of grease and rust inhibitor using an approved solvent.

5.2 To ensure proper valve operation, maintain proper line and weld bevel alignment during the welding process.

5.3 Ensure the valve is in the FULL OPEN position during the welding process.

5.4 Do not allow the body/seat area to exceed 250° F during the welding process. While the temperature is rising, use the cooling water to cool the outside surface of the valve bore. Use a Tempil stick to check temperature during welding process.

5.5 Due to the risk of slag and debris damaging the valve, it must remain in the FULL OPEN position until the product line cleaning process (flushing and/or pigging) is complete.

Caution: After hydro testing, the valve must be CLOSED, and any water left in the body must be drained out through the body drain plugs.
6. OPERATION

6.1 Clockwise rotate the handwheel to CLOSE the valve, rotate counter-clockwise to OPEN the valve.

6.2 When operating a slab or expanding gate valve, SCV does not recommend the use of any leverage tool to opening or closing the valve. Carefully observe the position of indicator during operation. When the position indicator shows OPEN or CLOSED, rotate the handwheel in the opposite direction one half turn to release the pressure between the stem and drive nut.

6.3 The SCV slab or expanding gate valve is not designed to be used as a throttle valve.

6.4 If necessary, with the valve fully CLOSED, cavity pressure can be relieved through the bonnet vent fitting.

Important: In the event the expanding gate valve body cavity needs to be depressurized, please refer to step 11, Thru Conduit Expanding Gate Valve Body Bleed Procedure.

Safety Precaution: Always wear approved safety gear and face away from the bonnet vent when relieving pressure from the valve.

6.5 To remove the foreign debris from the valve, remove the drain plug from the bottom of the valve body. Reinstall the drain plug when cleaning is complete.

7. MAINTENANCE

7.1 Clean and Lubricate the Stem

7.1.1 IF LINE CONDITIONS PERMIT, cycle the valve to the full OPEN position.

7.1.2 Remove stem protector when applicable.

7.1.3 Clean the stem threads to remove and dust, dirt or foreign particles. Use a wire brush if required.

7.1.4 Inspect the threads for wear or damage.

7.1.5 Lubricate the threads with a lithium based general purpose grease with a minimum 150 viscosity grease.

7.1.6 Cycle the gate OPEN and CLOSED several times to insure grease distribution over the stem and drive nut.

7.1.7 Return valve to desired operating position.

7.1.8 Replace stem protector.

[Please refer to manufacturers recommended lubrication frequency and procedure for the actuators.]

7.2 Seat Lubrication/Sealant

7.2.1 Two secondary sealant injection ports (See Figure 1) are fitted in the middle of the valve body. In the event the seat sealing surfaces are damaged and leaking, a grease gun can be used to inject the seats with an approved sealant.

7.2.2 The pressure required to fully inject sealant into the seat/gate surfaces should not exceed 300 psi over the line pressure. There will be some pressure required to pump the grease through the gun, hose and extended piping. In cold weather, the amount could be several pounds of pressure. Please note the following example:

| Pressure to pump grease: | 2000 psi |
| Line pressure: | 1000 psi |
| Amount required above: | 300 psi |
| Total amount in cold weather: | 3200 psi |

7.2.4 The thru conduit gate valve does not required lubrication to operate. However, lubricating the seats will provide smooth operation. When lubricating the seats and gate surfaces, operate the valve several times OPEN to CLOSED to spread the lubricant evenly on to both surfaces.

7.2.5 Return the gate to either the full OPEN or full CLOSED position and inject an additional amount of lubricant to complete the process.

7.2.6 For buried valves, SCV recommends a minimum of 1 quart of lubricant per valve once extended lines are filled.
7.2.7 While SCV does not generally recommend a lubricant, we do recommend contacting Climax Valve Lubricants with the specifics of the product in the line for a lubricant best suited for the service intended.

Figure 2: Secondary Seat Lubricant/Sealant Injection System
7.3 Stem Seal/Packing Maintenance

7.3.1 In the event of stem packing leakage, CLOSE the valve and release the cavity pressure.

7.3.2 Remove the stinger from the packing injection fitting. Insert the pressure relieving stinger tool to relieve any stem packing pressure.

7.3.3 Once pressure is removed and the relief tool has been removed. Remove the plug from the packing relief port.

7.3.4 Using a grease gun, inject stem seal packing into the packing injector fitting until fresh packing is seen coming thru the relief port.

7.3.5 Reinstall the relief port plug. Add additional packing until the pressure in the packing gland stabilizes then tighten the injector stinger. Please see the Packing Box Pressure PSIG Chart [on page 11] for required pressures.

**Caution:** Over pressurizing the injectable packing will distort packing, making the valve difficult to operate.

Figure 3: Packing Injection

**Notice:** Please refer to relevant installation operating instructions of the actuator when installing and debugging the electric actuator and pneumatic actuator.
PACKING BOX PRESSURE PSIG

<table>
<thead>
<tr>
<th>VALVE PRESSURE CLASS</th>
<th>PACKING BOX PRESSURE (PSIG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>1925</td>
</tr>
<tr>
<td>300</td>
<td>2600</td>
</tr>
<tr>
<td>400</td>
<td>2950</td>
</tr>
<tr>
<td>600</td>
<td>3675</td>
</tr>
<tr>
<td>900</td>
<td>4750</td>
</tr>
<tr>
<td>1500</td>
<td>6900</td>
</tr>
</tbody>
</table>

8. COLD TEMPERATURE MAINTENANCE PROGRAM

COLD WEATHER TIME OPERATION REMINDER

8.1 Allowing freezable fluids to be trapped inside the valve will result in damage to the valve when the fluid freezes.

**Note:** 32°F is the temperature water will freeze. Here are some frozen water hydraulics generated by fluids frozen solid.

<table>
<thead>
<tr>
<th>Temperature (F)</th>
<th>Internal Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>32°</td>
<td>14.7psi</td>
</tr>
<tr>
<td>30°</td>
<td>2,100 psi</td>
</tr>
<tr>
<td>25°</td>
<td>7,000 psi</td>
</tr>
<tr>
<td>18.5°</td>
<td>12,660 psi</td>
</tr>
<tr>
<td>9.5°</td>
<td>20,056 psi</td>
</tr>
<tr>
<td>5°</td>
<td>23,115 psi</td>
</tr>
<tr>
<td>.5°</td>
<td>26,103 psi</td>
</tr>
</tbody>
</table>

**Note:** Eliminate trapped water in your system to avoid system damage.

9. ACTUATION

**Notice:** SCV Thru Conduit Gate Expanding and Slab Gate Valves are manufactured with ISO standard mounting plates for manual or automation installations.

**Caution:** Correct actuator calibration is critical for proper valve performance and longevity. Incorrect TRAVEL LIMIT and TORQUE LIMIT settings can result in catastrophic valve failure!

**Important:** SCV recommends that all actuation is installed and calibrated in a controlled testing environment. Utilize a hydro-test to simulate the targeted operating conditions while setting TRAVEL LIMITS and TORQUE LIMITS.

9.1 The SCV Expanding Gate Valve is a “torque seated” design. For proper actuator torque requirements, please consult with SCV.

9.2 The SCV Slab Gate Valve is a “travel position seated” design. The travel stops are set at the factory.

**Important:** If actuation is to be installed after shipment from SCV, IT IS CRITICAL THAT THE SLAB DOES NOT DROP TO THE BOTTOM OF THE VALVE DURING ACTUATION INSTALLATION! THIS MAY RESULT IN SEAT DAMAGE.

9.2.1 To protect the seats, ensure the slab is above the closed position prior to actuation installation.
## 10. THE REMEDIES FOR TROUBLES

<table>
<thead>
<tr>
<th>Nos.</th>
<th>Trouble</th>
<th>Possible Reason</th>
<th>Trouble Shooting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stem packing leakage</td>
<td>Damage packing</td>
<td>Inject stem packing</td>
</tr>
<tr>
<td>2</td>
<td>Sealing incompletely to upstream and downstream (the pressure in middle cavity cannot relieve to low pressure)</td>
<td>The gate is not CLOSED completely</td>
<td>CLOSE the valve</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Damage to sealing surface</td>
<td>Replace the damaged sealing element</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Damaged to O-ring</td>
<td>Replace O-ring</td>
</tr>
<tr>
<td>3</td>
<td>Leakage in bonnet flange</td>
<td>Bonnet bolts loose</td>
<td>Tighten bonnet bolts as necessary</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Damage to gasket</td>
<td>Replace the gasket</td>
</tr>
<tr>
<td>4</td>
<td>Leakage in grease injection and waste valve</td>
<td>Damage to ball, spring and sealing ring</td>
<td>Replace the damaged components</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Screw cap is not tight</td>
<td>Tighten screw cap as necessary</td>
</tr>
<tr>
<td>5</td>
<td>The gate will not CLOSE</td>
<td>Debris obstruction in bottom of valve</td>
<td>Remove debris thru bottom drain plug</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Medium frozen in the bottom</td>
<td>Heating</td>
</tr>
<tr>
<td>6</td>
<td>Difficult to OPEN or CLOSE</td>
<td>Dry stem</td>
<td>Inject lubricant as necessary</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Valve has not been opened or closed for a long time, the seats and gate tied tightly</td>
<td>OPEN and CLOSE the valve rapidly several times till the gate is loosened, then OPEN or CLOSE the valve to the required position</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Medium frozen in the cavity</td>
<td>Heating</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pipeline distorted</td>
<td>Eliminate the distorting restriction of Pipeline</td>
</tr>
<tr>
<td>7</td>
<td>Imbalance of operation</td>
<td>Dry bearing</td>
<td>Inject lubricant as necessary</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Possible damage to drive nut or bearing</td>
<td>Replace the damaged parts</td>
</tr>
</tbody>
</table>

For trouble shootings of motor, pneumatic actuator, refer to the installation and maintenance instruction of selected motor, see actuator manufacturer information or website.
11. THRU CONDUIT EXPANDING GATE VALVE BODY BLEED PROCEDURE

Notice: To relieve pressure from the internal cavity (body) of the valve while under pressure, please follow this procedure carefully. Operate the valve into the full torqued CLOSED position.

11.1 Operate the valve to the CLOSED position.

11.2 CLOSE valve "A", shown in the photo below, tightly.

11.3 Make sure valve “B” is in the OPEN position.

11.4 Double check the valves again to insure they are in the proper position.

11.5 Lightly loosen the body bleed fitting plunger “C” to allow slow release of pressure from the cavity.

Safety Precaution: Please make sure all persons are clear of the fitting opening during venting. Pressure will begin to decrease and flow will lessen as valve body pressure is released.

Important: If pressure does not bleed down, CLOSE fitting “C” and operate valve again to the CLOSE position to insure proper closure. Reopen fitting “C” and allow pressure to finish venting.

11.6 Once venting is complete, CLOSE fitting “C” tightly, then operate the valve to the OPEN position and OPEN valve “A” to allow the thermal relief system to operate as designed.

Figure 4: Thermal Relief System & Bonnet Vent Fitting
Terms & Conditions

Quotation Validity
This quotation is valid for 30 days from the date quotation is sent. Validity on special metals, including Stainless Steel, is 14 days from the date the quotation is sent. All products offered from stock are subject to prior sale.

Shipments
All items quoted are EXW our Dock - [EX Works - SCV Valve at 3521 FM 646 Rd. North, Santa Fe, TX 77510] - unless otherwise noted and agreed to in writing. Shipment may be billed either third party billing to the buyer or freight collect. Shipment dates offered above are forecasted delivery lead times and are estimated from the date payment terms (acceptable to seller) are established, clarification is received on all technical information, and resolution of customer’s written approval of drawings is received (when required). The equipment quoted shall be packed in accordance with seller’s standard packing procedure unless otherwise noted and agreed to in writing by the buyer.

Force Majeure
If in the case of an act of God, war, riot, fire, explosion, flood, or any other circumstances of whatsoever nature which are beyond the control of the seller and which in any way affect the ability of the seller to fulfill its delivery obligations, the delivery is hindered, impeded, or delayed the seller shall be exonerated from all responsibilities and reserves the right to postpone the delivery beyond the original schedule.

Payment terms
All terms are to be negotiated. Credit cards accepted (Master Card, Visa, American Express).

Purchase Orders
All buyer’s purchase orders supplied to the seller are to be written in the English language.

Prices
All prices quoted are in USD as per the preceding pricing schedule. The minimum order value is $5,000.00 (five thousand dollars), unless otherwise agreed to by seller. If for some reason any items are changed or additions to the order required, seller reserves the right to adjust prices accordingly. All sales are subject to approval of seller’s credit department. If buyer fails to meet the agreed upon and established commercial terms of the contract, the seller may withhold all subsequent deliveries until such time that the original commercial terms of the contract have been met by the buyer (or subsequent commercial terms have been agreed upon by the seller with the buyer).

Intellectual Property
All specifications, illustrations, drawings, certificates, and other particulars supplied by seller remain the intellectual property of the seller and should not be disclosed to any third party without the prior written consent of seller.

Governing Law; Arbitration; Jurisdiction
The terms and conditions of this quotation and any subsequent purchase order shall be construed, interpreted, and performed exclusively according to the laws of the State of Texas, USA. The courts of such state shall have exclusive jurisdiction out of all controversies arising out of or in connection with this agreement. The parties consent that process may be served upon them in any such action by registered mail at the address stated for Buyer on its purchase order, and upon SCV at the address noted above in Santa Fe, Texas, or personally within or without the State of Texas. Any legal action with respect to any agreement must be commenced within one year after the cause of action has accrued. The provisions of the Uniform Commercial Code as adopted by the State of Texas, and not under the United Nations Convention on Contracts for the International Sale of Goods, shall apply.

Warranty
All seller’s products are guaranteed against defects in workmanship for a period of twelve (12) months after being placed in service, but not exceeding eighteen (18) months after shipment, when products are properly installed per seller specifications and used within the service and pressure range for which they were manufactured. Full risk of loss shall pass to the buyer upon delivery at FOB point, or destination port in case of CIF. This guarantee is limited to the replacement of any valve parts/components found to be defective either in material or workmanship. This guarantee does not extend to costs of labor, freight, or any other consequential damages. The unauthorized use of third party components and workmanship in seller’s products voids this warranty.

Limitation of Liability
The liability of the seller under this agreement or with respect to any products supplied or services performed pursuant to this agreement, whether in contract, in tort, in strict liability or otherwise, shall not exceed the purchase price paid by the buyer with respect thereto. In no event will the seller be liable in contract, in tort, in strict liability or otherwise for any special, indirect, incidental, or consequential damages. This includes but is not limited to loss of anticipated profits or revenues, loss of use, non-operation or increased expense of operation of equipment, cost of capital, or claims from customer or buyer for failure or delay in achieving anticipated profits or products.

Cancellation
No contract may be canceled by the buyer except upon written notice to seller and upon payment to seller of all costs incurred by the contract arising out of, or in connection with, the contract. Export of goods covered hereby is subject to United States Customs Control. Standard stocking items will be subject to a twenty-five percent (25%) restocking and/or cancellation charge. Non-standard stocking items will be subject to a one-hundred percent (100%) restocking and/or cancellation charge.

Cancellation Charge
The following indicates the rates of cancellation charge of contract value for project manufactured items and/or special engineered

- Time of cancellation: Order Acknowledgement and prior to Engineering engagement. Cancellation Charge: 10%
- Time of cancellation: After start of engineering but prior to release to production. Cancellation Charge: 30%
- Time of cancellation: After release to production but prior to completion of fabrication. Cancellation Charge: 80%
- Time of cancellation: After completion of fabrication. Cancellation Charge: 100%

Return of Goods
No product shall be returned to seller without written authorization and shipping instructions having been obtained from seller. Products authorized for returns are to be shipped freight pre-paid to the SCV Facility identified in writing, unless otherwise notified, and are subject to seller’s standard re-stocking fees.

Documentation
MTR’s are available at no charge upon request. The seller’s standard document package is per ISO 10474 3.1B requirements. Additional requested documentation is subject to charge.

Inspection
The customer or his authorized representative may, with four (4) weeks prior notice given to seller, visually inspect products manufactured by seller. Such seller approved inspections will be carried out in accordance with seller’s standard or seller approved customer inspection procedures. If any inspection or documentation requested by the customer is over and beyond the scope and criteria initially agreed to by the seller, any costs incurred by conducting such inspection or preparation of special documents shall be paid by the buyer prior to release of the items for shipment.

Witness Hydro-testing
Witness hydro-testing is available at a cost. A scope of buyers inspection request is to be provided to seller at order placement. Late notice of such requested inspection is subject to additional costs. The cost associated with such witness hydro request is to be agreed on prior to any such testing taking place. Payment of this type of testing to be negotiated. Additionally, any costs associated with a third party inspector will not be at the sellers expense.
The SCV valve brand was established in 1972 as a maintenance and modification company with the ability to provide full in-line valve service and repair. In the mid-1970’s, after experiencing many shortcomings of other valve products in the industry, the first SCV valve was manufactured. Since that time, the SCV brand has been expanded its manufactured products to cover a broad range of valves. Industries served include the power, paper and pulp, oil and gas, and petro-chemical sectors.

SCV Valve takes sincere pride in our ability to manufacture both commodity and specialty valves that meet and exceed the needs of our customers. All sizes, pressure classes, and metallurgical compositions are managed in house utilizing the strictest quality control measures to ensure the customer’s total satisfaction.

SCV Valve products include thru conduit gates, wedge gates, globes, full port swing checks, piston checks, trunnion mounted balls, floating balls, and lubricated plugs. Valves utilized throughout the industry must meet rigorous quality and production standards. SCV Valve has earned its API 6A, API 6D, ISO: 9001, CE-PED, and CRN certifications while operating under the API Q1 Quality Management System.

With years of dedication and commitment to quality, design, and service, SCV Valve has grown to be one of the premier valve manufacturers in the industry with the largest inventory of high pressure ball, gate, and check valves. We pride ourselves on our high quality products, timely delivery capabilities, and competitive prices.

On behalf of all of the members at SCV Valve, we thank you for the opportunity to earn your business.

Sincerely,

Sid McCarra
President
SCV Valve, LLC

Since 1972, the SCV brand has been committed to providing quality flow control products to the Power, Paper & Pulp, Oil & Gas, and Petro Chemical industries.

As one of the largest valve manufacturers, SCV Valve’s reputation is unparalleled for producing high quality commodity and specialty valves. Products range in sizes 1/2” - 48”, in pressure classes from 150# - 2500# and are backed by timely deliveries and competitive prices.

Call SCV today at (281)482-4728 for all your valve needs or visit us on the web @ www.scvvalve.com.

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