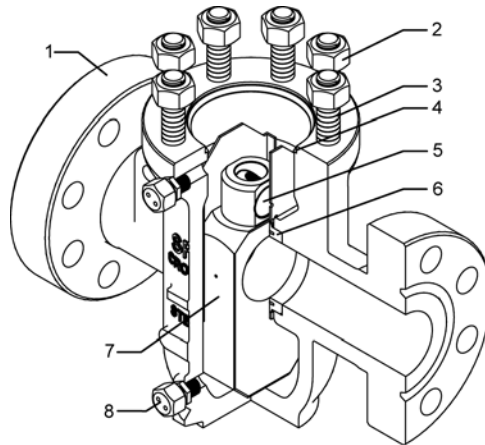
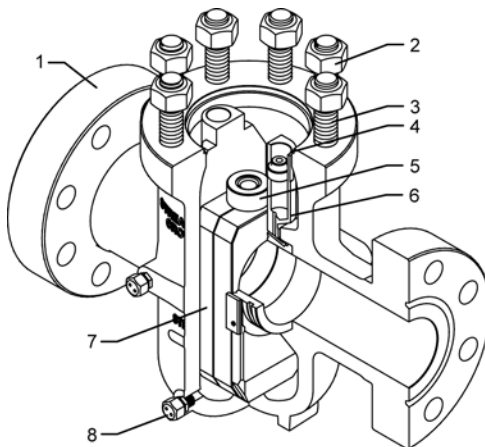


## Reverse Acting Gate Valves



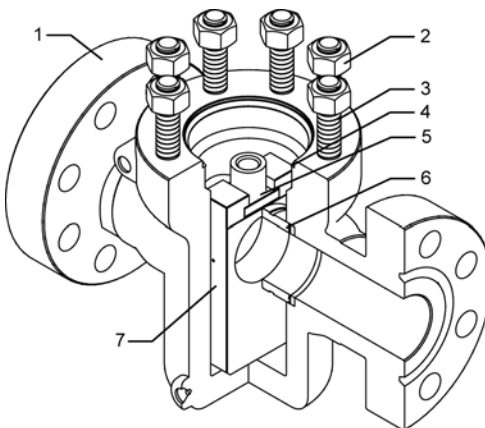
### Model 'S'

- cast body
- solid slab gate
- floating seats
- metal-to-metal gate to seat and seat to body seal
- non-elastomeric seat seal ring enhances low pressure sealing between gate and seats
- two body grease fittings



### Model 'B'

- cast body
- two spring loaded split gates
- interference fit fully skirted seats
- sealing is enhanced by an auto-seal system whereby internal pressure transmits sealing compound from reservoirs in the seats to grooves on the seat faces to prevent leaks
- one body grease fitting, second grease fitting present on bonnet above stem backseat
- two body sealant fittings to replenish sealant in seat reservoirs



### Model 'SL-2'

- forged body
- solid slab gate
- floating seats
- metal-to-metal gate to seat and seat to body seal
- patent pending feature, an annular protrusion on the seat carrier maintains constant contact with the non-elastomeric seat seal ensuring low pressure sealing
- SSV certified to PR-2, Class II
- no body penetrations, grease fitting provided on bonnet above stem backseat

### Parts List

1	body	5	lift nut
2	nut	6	seat (assembly)
3	stud	7	gate (assembly)
4	bonnet gasket	8	body grease fitting



Stream-Flo offers a variety of Crown gate valve models prepared for pneumatic or hydraulic actuators. Valves are bidirectional and most commonly reverse acting for fail safe closed applications. Valves are available from 2000 to 15000 psi working pressures and can be supplied in 1<sup>3</sup>/<sub>16</sub>" to 7<sup>1</sup>/<sub>16</sub>" sizes in flanged, threaded, hub end or composite block valve configurations.

### Reverse Acting Gate Valve Models

Nominal Size inches (mm)	2000 psi (13.8 MPa)	3000 psi (20.7 MPa)	5000 psi (34.5 MPa)	10000 psi (69.0 MPa)	15000 psi (103.5 MPa)
1 <sup>13</sup> / <sub>16</sub> (46)	S / SL-2	S / SL-2	S / SL-2	SL-2	SL-2
2 <sup>1</sup> / <sub>16</sub> (52)	S / SL-2	S / SL-2	S / SL-2	SL-2	SL-2
2 <sup>9</sup> / <sub>16</sub> (65)	S / SL-2	S / SL-2	S / SL-2	SL-2	SL-2
3 <sup>1</sup> / <sub>16</sub> (78)	-	-	-	SL-2	SL-2
3 <sup>1</sup> / <sub>8</sub> (79)	S / SL-2	S / SL-2	S / SL-2	-	-
4 <sup>1</sup> / <sub>16</sub> (103)	S / SL-2	S / SL-2	S / SL-2	SL-2	-
5 <sup>1</sup> / <sub>8</sub> (130)	B / SL-2	B / SL-2	B / SL-2	SL-2	-
7 <sup>1</sup> / <sub>16</sub> (179)	B / SL-2	B / SL-2	B / SL-2	-	-

The 7 <sup>1</sup>/<sub>16</sub>" Model 'B' is available with 6 <sup>1</sup>/<sub>8</sub>" (155 mm) or 6 <sup>3</sup>/<sub>8</sub>" (162 mm) bore. Additional sizes available upon request.

### General Design and Construction Features:

- Bidirectional design - the valve can be used in either direction.
- Body cavity is filled with grease to lubricate components and prevent accumulation of foreign materials or hydrates.
- Full bore / thru-conduit flow with no discontinuities at sealing surfaces minimizes pressure drop and turbulence.
- Adapts easily to any make or style of actuator.

### Reverse Acting Gate Valve Models S, B and SL-2 Trim Chart

Service	Trim	Material Class	Body	Bonnet Seal	Gate <sup>(3)</sup>	Seat <sup>(3)</sup>
general oilfield oil and gas	T-21	AA	alloy steel	CS	alloy steel	alloy steel
general oilfield low temp -50° F	T-36	AA	alloy steel	CS	alloy steel	alloy steel
general with slight CO <sub>2</sub> corrosion	T-22	BB	alloy steel	SS	13 Cr SS	13 Cr SS <sup>(4)</sup>
corrosive with high CO <sub>2</sub>	T-23	CC	13 Cr SS	SS	13 Cr SS	13 Cr SS <sup>(4)</sup>
SOG	T-24	DD-NL <sup>(1)</sup>	alloy steel	SS	alloy steel	alloy steel <sup>(4)</sup>
SOG	UD	DD-NL <sup>(1)</sup>	alloy steel	CS	alloy steel	alloy steel
SOG low temp -50° F	T-37	DD-NL <sup>(1)</sup>	alloy steel	SS	alloy steel	alloy steel <sup>(4)</sup>
SOG low temp -50° F	LD	DD-NL <sup>(1)</sup>	alloy steel	CS	alloy steel	alloy steel
slight CO <sub>2</sub> corrosion and SOG	T-25	EE-NL <sup>(1)</sup>	alloy steel	SS	13 Cr SS	13 Cr SS <sup>(4)</sup>
corrosive with high CO <sub>2</sub> and SOG	T-26	FF-NL <sup>(1)</sup>	13 Cr SS	SS	13 Cr SS	13 Cr SS <sup>(4)</sup>
extremely corrosive	T-78	HH-NL	CRA <sup>(2)</sup>	CRA	CRA	CRA

SOG Sour Oil and Gas H2S NACE MR0175

<sup>(1)</sup> Material Class may change depending on stem material

<sup>(2)</sup> or Alloy Steel Clad 625

<sup>(3)</sup> hardfaced or surface hardened

<sup>(4)</sup> 17-4 PH for Model S

Materials subject to change without notice, special trims available.

Contact Stream-Flo for dimensional data or information to interface with actuator.