**Application:**
FLSmidth Airslide butterfly flowgates are used for controlling the flow or the direction of flow of fluidized material in Airslide conveying systems. Standard type and high-top gates are available in sizes 100 - 600mm (4” - 24”). Hand lever actuator with locking handle and air cylinder actuators are available.

**Specification:**
Basic Valve
Housing is cast aluminum with machined integral actuator brackets and mounting flanges drilled to match FLSmidth Airslide conveyor dimensions. Carbon steel rotor with flexible seal for positive cutoff. Urethane (250° F) and Viton (450° F) seals are available. Bushing type bearings protected by O-ring shaft seals.

Drives
Hand lever actuator with locking handle for throttling control or heavy-duty air cylinder actuators with single solenoid, 120v, NEMA 4, integrally mounted and pre-piped with speed controls. Two single pole double throw (SPDT) position indication switches.

Options:
- Dual solenoids
- Voltages
- Double pole double throw (DPDT)
- Limit switches
- Special designs
- Stainless steel rotors

Two flowgates on a tee
### Dimensions - High-top, Air-operated

<table>
<thead>
<tr>
<th>Total weight</th>
<th>Dimensions - mm</th>
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<tbody>
<tr>
<td>100</td>
<td>150</td>
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<td>lbs</td>
<td>kgs</td>
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<td>97</td>
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<td>116</td>
<td>53</td>
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<tr>
<td>177</td>
<td>80</td>
</tr>
<tr>
<td>600</td>
<td>725</td>
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</table>

**Note:**
1. All dimensions are in millimeters, except as noted.
2. Butterfly flowgates are available with actuator on right hand side (as shown), or left hand.
3. Butterfly flowgates are designed to be used for material diversion only. REF: 108-92-2-6826. They are not to be used as a silo outlet flow control valve. (For applications, contact engineering)
### Dimensions - Standard type, Air-operated

<table>
<thead>
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</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>195</td>
<td>88</td>
</tr>
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</table>

3/8"-18 NPT AIR CONNECTION
60 PSI MIN. – 100 PSI MAX.
(4.22 KG/CM² MIN. – 7.03 KG/CM² MAX.)

ADJUSTABLE STOP FOR LIMITING GATE OPENING

Solenoid this side for single solenoid

Solenoid #2 for double solenoid

1/2"-14 NPT for conduit conn.

1/2"-14 NPT for conduit conn. (both switches)

Open switch

Closed switch

For standard Airslide End Flange Drilling see DWG. 108-90-2-6804

Supercedes DWG. 108-77-2-6817
Airslide™ butterfly flowgate

Airslide butterfly flowgate - Exploded view

1. Gate body
2. Gate
3. Shaft
4. Gate clamp
5. Gate seal
6. Gate plate
7. Bushing
8. O-ring
9. Hex head machine screw
   (Item 2 to Item 4)
10. Round head machine screw
    (Items 5 & 6 to Item 2)
11. Hex nut (for Item 10)
12. Sq. key
13. Washer
14. Retaining ring
15. Lever hub
16. Lever
17. Type “E” driv-lok pin
18. Socket setscrew
19. Threaded rod
20. Lockwasher (for Item 19)
21. Hex nut (for Item 19)