

AIRSLIDE® BUTTERFLY FLOWGATE

Application:

Fuller 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

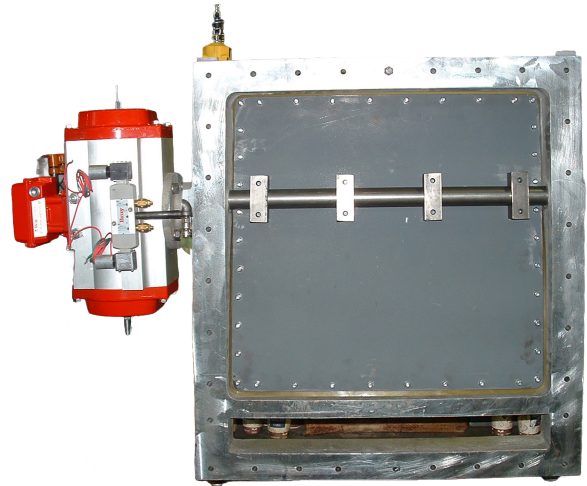
Housing is cast aluminum with machined integral actuator brackets and mounting flanges drilled to match Fuller Airslide conveyor dimensions. Carbon steel rotor with flexible seal for positive cutoff. Urethane (250° F) and Viton (450° F) seals are available. Bushing type bearings protected by O-ring shaft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

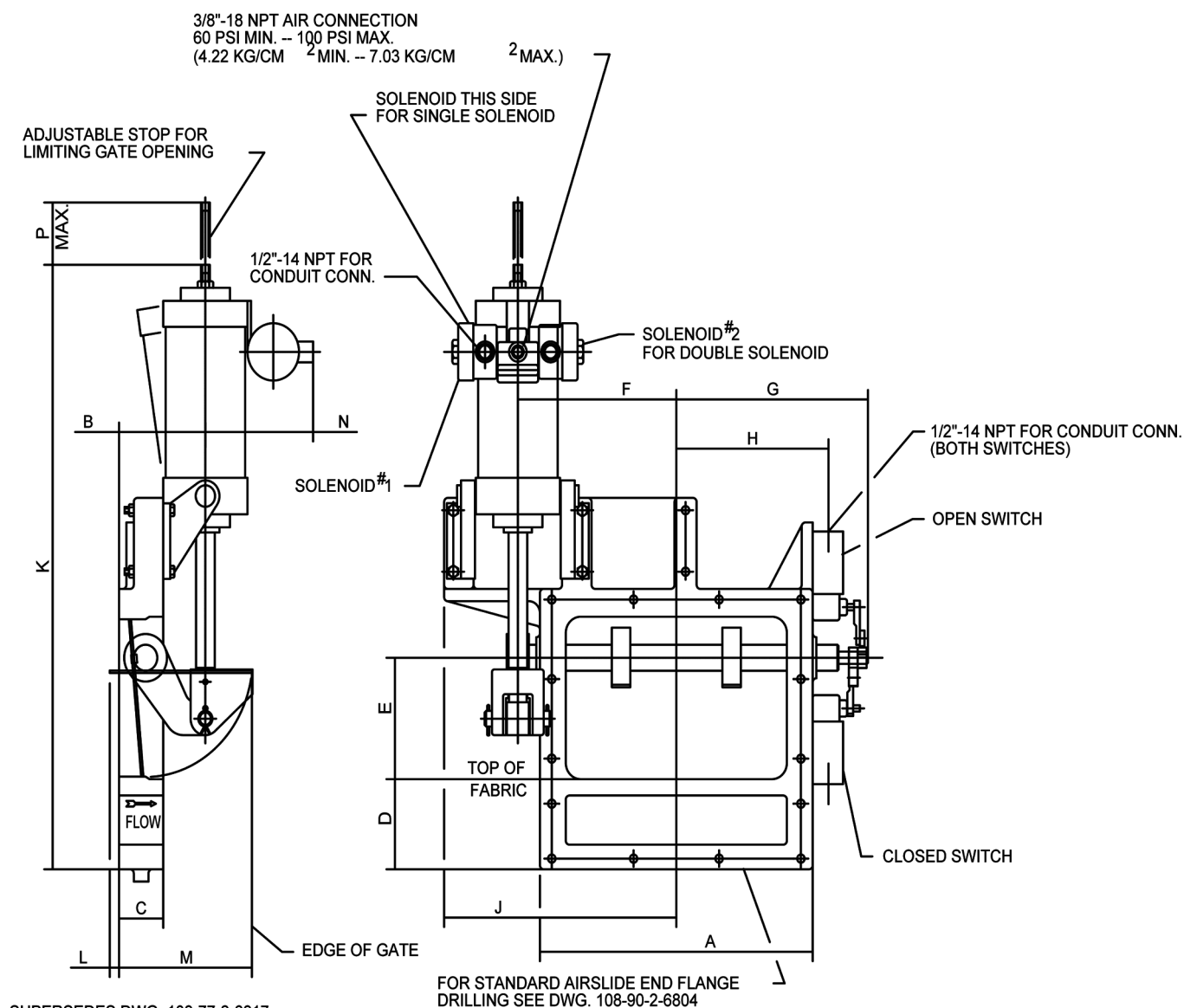
- Dual solenoids
- Voltages
- Double pole double throw (DPDT)
- Limit switches
- Special designs
- Stainless steel rotors



Two flowgates on a tee

Dimensions - Standard type, Air-operated

Total weight		Dimensions - mm														
lbs	kgs	Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P
28	13	100	165	97	40	85	63	105	153	105	180	562	10	85	128	134
30	14	150	215	97	40	85	63	130	177	130	205	562	10	85	128	134
51	23	200	265	102	45	110	115	160	205	155	250	685	9	138	141	140
62	28	250	315	102	45	110	115	185	230	180	275	685	9	138	141	140
80	36	300	370	117	60	110	148	215	260	207	315	756	16	181	154	152
104	47	350	420	117	60	110	155	240	285	232	340	798	59	188	154	152
112	51	400	470	117	60	110	155	265	310	257	380	795	58	188	165	152
150	68	480	570	132	75	122	171	320	357.5	307	435	850	63	213	165	152
195	88	600	725	148	75	160	184	394	434	384	509	962	70	226	165	190

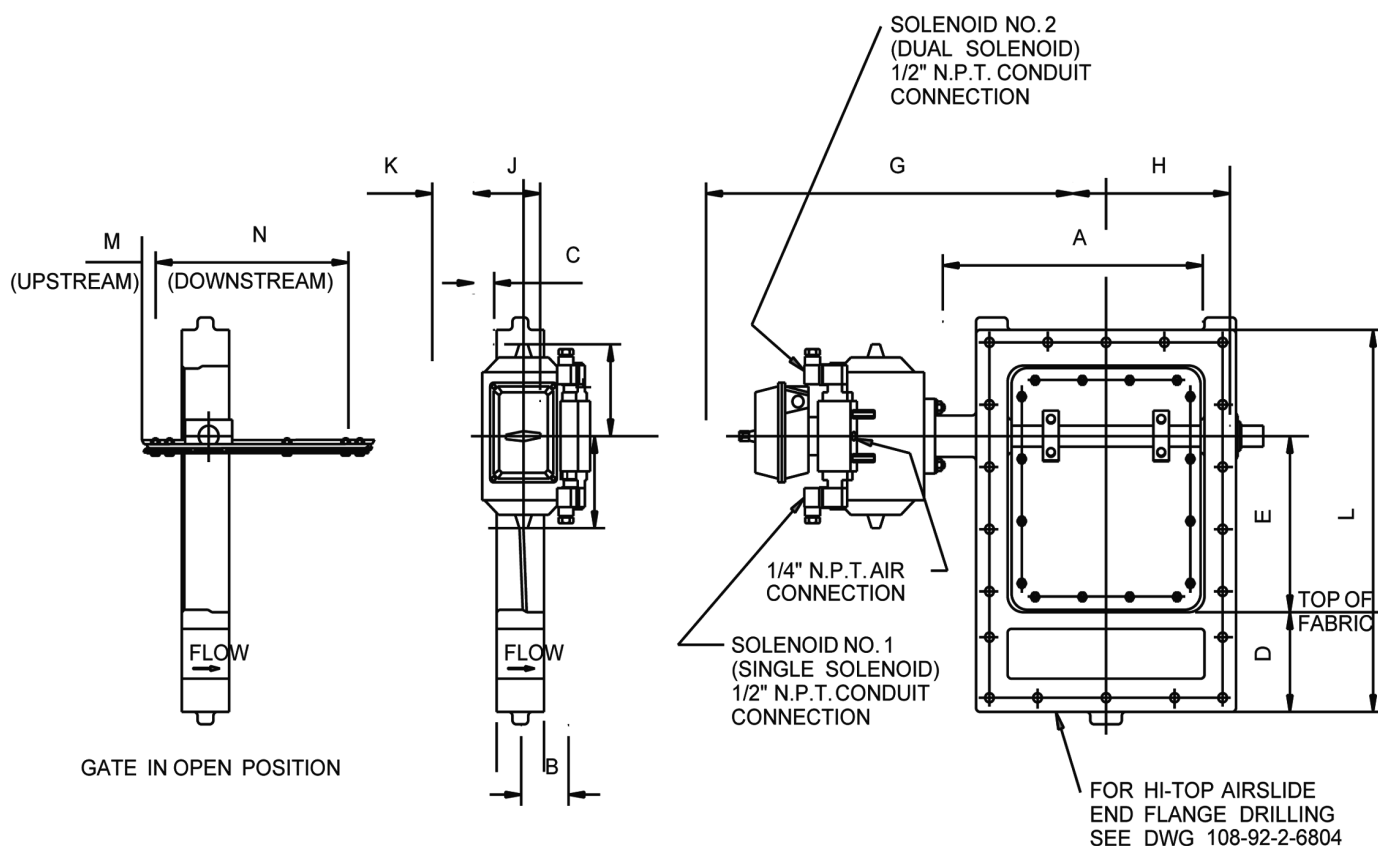


Dimensions - High-top, Air-operated

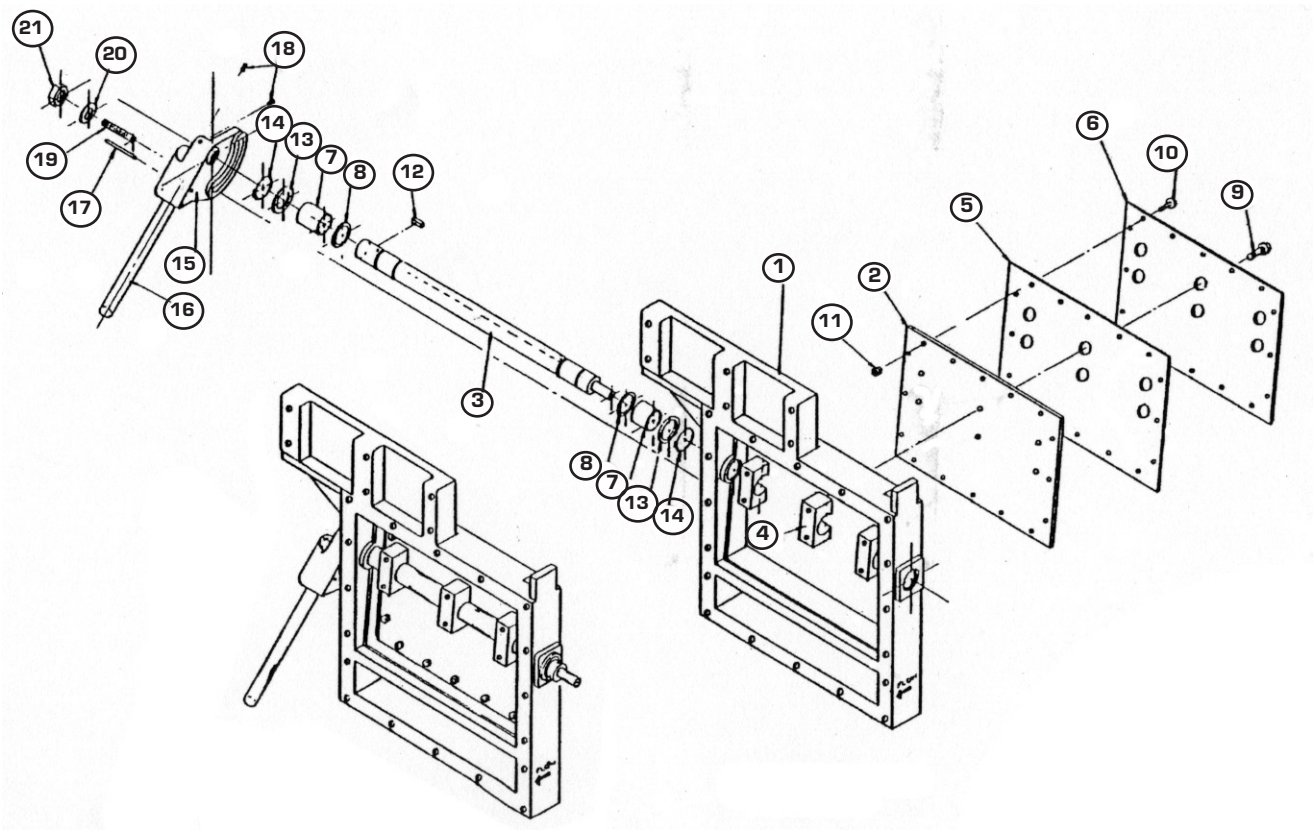
Total weight		Dimensions - mm													
lbs	kgs	Size	A	B	C	D	E	F	G	H	J	K	L	M	N
100															
		150													
52	24	200	280	60	26	120	212	154	496	174	83	60	460	51	246
62	28	250	330	60	26	120	212	154	521	199	83	60	460	51	246
74	34	300	380	60	24	120	225	154	546	224	83	60	560	137	261
97	44	350	430	60	24	120	315	157	591	249	91	69	660	146	352
116	53	400	490	75	30	125	315	196	660	280	108	85	670	138	359
177	80	480	570	75	30	125	350	196	700	320	108	85	730	163	395
		600	725	75	30	160	386	196	775	376	108	85	820	166	428

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)



Airslide® butterfly flowgate - Exploded view



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

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