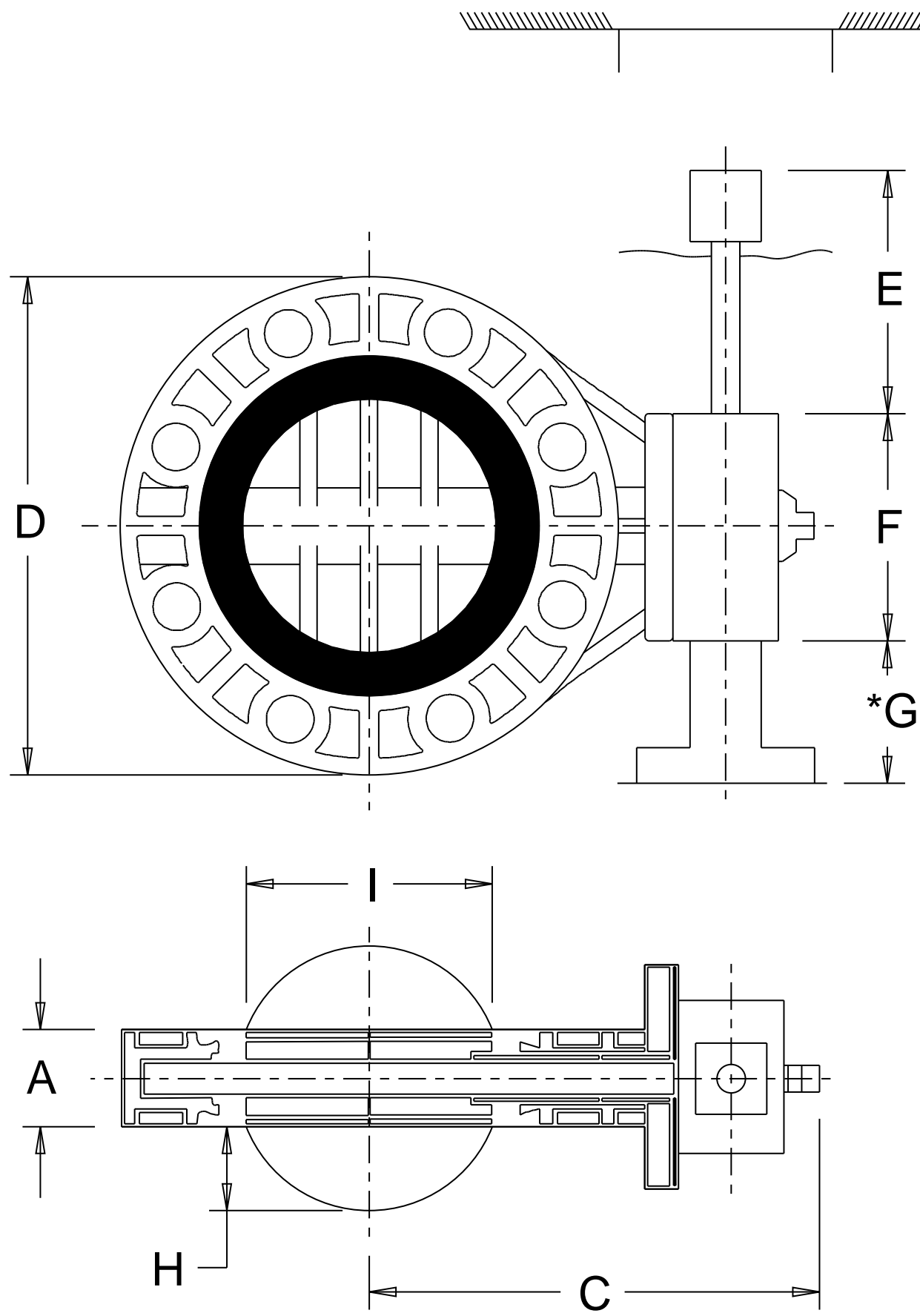


CUSTOMER PART NO. -

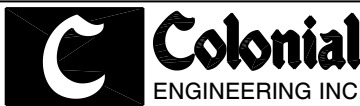


- Designed for maximum service life in buried irrigation, water service, mining, and other applications. Provides slow closure as an isolation valve.
- Boot seal is continuous through the valve and face. No flange gaskets are required.
- Butterfly valve features corrosion-resistant PVC body and disc, Stainless Steel stem and hardware, and EPDM liner and O-rings.
- Gear Operator features corrosion-resistant, heavy-duty composite plastic housing and 2" operating nut, and worm gear design. 9.5 cycles to open/close.
- Pressure rating: 150 psi, non-shock water at 73° F for 3-10". 100 psi, non-shock water at 73° for 12".
- Note: Body style for 3, 4, & 6" differs from 8, 10, & 12". However, function and operation is the same.
- Note: When using with HDPE Piping Systems, flange spacers may be required for clearance of the disc and the I.D. of the pipe flange. Contact your HDPE fittings distributor.

Size	Model No.	A	C	D	E	F	G	H	I	Cv @ 90° Open
3	V30311GBS	1.75	8.95	7.50	6.57	4.80	6.15	0.60	2.95	290
4	V40311GBS	2.00	10.36	9.00	6.57	4.80	6.90	0.99	3.98	690
6	V60311GBS	2.19	11.08	11.22	6.57	4.80	8.01	1.86	5.91	1340
8	V80311GBS	3.43	11.65	13.39	6.57	4.80	9.10	2.13	7.68	2500
10	V100311GBS	4.33	13.11	16.57	6.57	4.80	10.69	2.76	9.84	3860
12	V120311GBS	5.08	15.98	19.21	9.53	7.40	13.31	3.43	11.93	5700

\*G – Recommended support bracing shown. Use concrete or fabricate with 3" PVC Pipe and Socket flange.

Size	No. of Flange Holes	USS Std. Hex Hd Bolt Ø	USS Std. Hex Nut Size	SAE Std. Flat Washer Size	O.D.	Req. Torque (Ft.-Lb.)	Bolt Length
3	4	5/8	5/8	5/8	5/8	20-30	5
4	8	5/8	5/8	5/8	5/8	20-30	5.5
6	8	3/4	3/4	3/4	1 1/4	30-40	6
8	8	3/4	3/4	3/4	1 1/4	30-40	8
10	12	7/8	7/8	7/8	1 3/4	45-50	10
12	12	7/8	7/8	7/8	1 3/4	45-50	11

A RELEASED		2-18-08
REV	DESCRIPTION	DATE
ENGINEERING REVISIONS		
TITLE		 <b>Colonial</b> ENGINEERING INC.
BUTTERFLY VALVE W/DIRECT BURIAL GEAR OPERATORS		
DESIGNED BY	DWG SIZE	
MB	B	
DRAWN BY	SHEET NO.	
EJL	1 OF 1	
REVIEWED BY	SCALE	<small>This drawing is the property of Colonial Engineering. It is furnished to you for confidential information purposes only and is not to be disclosed to anyone else or reproduced or used for manufacturing purposes without the express written permission of Colonial Engineering.</small>
MB	-	
DATE	LENGTH UNITS	DRAWING NO.
2-18-08	INCH	311GBS