

## FEATURES AND BENEFITS

- Corrosion resistant thermoplastic body & disc.
- Compact and light weight design
- Full boot seal for durable performance
- ANSI B16.5 Class 150 Flange Pattern
- ISO 5211 compliant mounting pattern for actuators or gear operators.
- Pressure rating: 150 psi non-shock water @ 73° F
- With its robust boot/seal design, no flange gaskets are required
- 100% Bubble tight seal

Temp (° F)	PVC
73	1.00
80	.88
90	.75
100	0.62
110	0.5
120	0.4
130	0.3
140	0.22
150	NR



## SAMPLE ENGINEERING SPECIFICATIONS

Butterfly Valve body and disc shall be produced of PVC Type I, cell classification 12454 material. Valve boot/seal and O-rings shall be made of EPDM material. Shaft shall be made of stainless steel. Boot/seal (liner) and disc shall be the only wetted parts of the valve. ISO 5211 Mounting pattern on top for direct actuation mount. Bolt pattern shall conform to ANSI/ASME B 16.5 Class 150 standard. Colonial 311ND Series.



311ND SERIES BUTTERFLY VALVES – 3 - 6" DIRECT-MOUNT

Valve Size	ISO 5211 Mounting Pattern	Stem Sq.	Opening Torque ( In. Lbs.)	PVC/EPDM	Max recommended torque for tightening flange bolts ( In. Lbs)
3	F05 & F07	14	255	<b>V30311ND</b>	240
4	F07	14	325	<b>V40311ND</b>	240
6	F07	17	520	<b>V60311ND</b>	480

Printed in USA 3/09

**CUSTOMER SERVICE:** 6400 Corporate Ave., Portage, MI 49002  
Toll-free (800)374 0234, Phone (269)323 2495, Fax (269) 323 0630 [www.colonialengineering.com](http://www.colonialengineering.com)