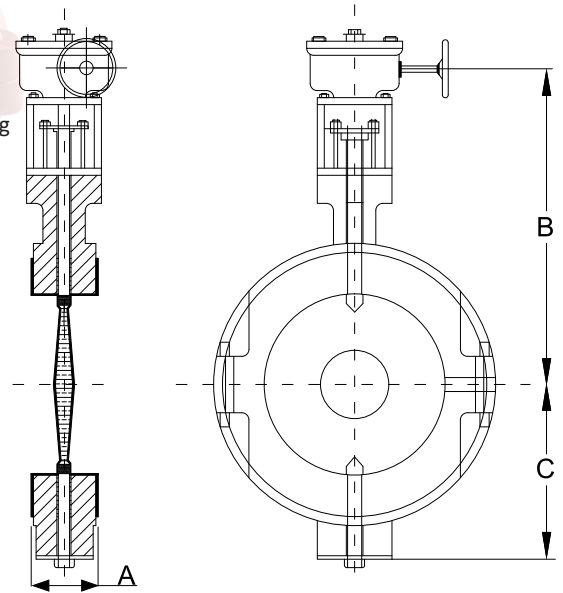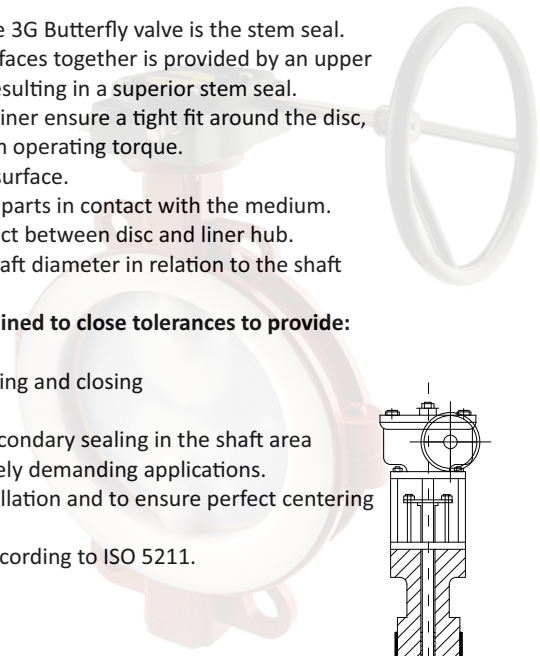## 3GBFV02 LINED BUTTERFLY VALVES

■ **Size**
- 2" – 14" Class: PN 6/PN 10/PN 16/Class 150
- End Connection: Lug/Wafer/Flanged.
- Operation: Lever/Gear Operated/Electrical Actuator/Pneumatic Actuator.

■ **PFA LINED BUTTERFLY VALVES**
- A butterfly valve is a valve which can be used for isolating or regulating flow.
- The closing mechanism takes the form of a disk.
- Operation is similar to that of a ball valve, which allows for quick shut off.

■ **Features & Benefits**
- One of the most important feature of the 3G Butterfly valve is the stem seal.
- The pressure to keep the two sealing surfaces together is provided by an upper and lower set of Cup & Cone Packing's resulting in a superior stem seal.
- The elastomer back-up pads behind the liner ensure a tight fit around the disc, giving a bubble tight shut-off at minimum operating torque.
- The liner provides a wide flange sealing surface.
- The liner and disc are the only two valve parts in contact with the medium.
- Primary shaft sealing by preloaded contact between disc and liner hub.
- Secondary shaft seal by oversizing the shaft diameter in relation to the shaft hole in the liner.

■ **The liner and disc are molded and machined to close tolerances to provide:**
- Low torque
- Less stress and deformation during opening and closing
- Elimination of tearing and bunching
- An integrated part of the primary and secondary sealing in the shaft area
- Optional TFM lining available for extremely demanding applications.
- Integral body locating holes to ease installation and to ensure perfect centering of the valve between flanges.
- Actuator Mounting flange dimensions according to ISO 5211.
- Anti blow-out shaft provision.

TECHNICAL SPECIFICATION	
Design Standard	API 609 Wafer Type
Face to Face	API 609 Category 'A'
Flange End	ANSI B 16.5 150#
Testing Standard	API 598/ISO 9398-2/BS EN 12266-1
Lining Material	PFA/FEP,PTFE
Lining Thickness	3 to 5mm
Body MOC & TRIM	Stainless Steel, Carbon Steel
Operation	Manual Lever, Gear Box, Acutator

* Dimensional drawing available on request.