

# Custom Butterfly Valve Retrofit Solutions



## UFSP Series Butterfly Valve Retrofit Form

If valve body manufacturer and model number **Do Not** match UFLK Series Kits, complete this form and study pages 102 -104.

|                                 |                                       |                                   |                              |                                 |
|---------------------------------|---------------------------------------|-----------------------------------|------------------------------|---------------------------------|
| <p>MOUNT STYLE 1</p>            | <p>MOUNT STYLE 2</p>                  | <p>MOUNT STYLE 3</p>              |                              |                                 |
| <p>SHAFT STYLE 4<br/>KEYWAY</p> | <p>SHAFT STYLE 5<br/>WOODRUFF KEY</p> | <p>SHAFT STYLE 6<br/>DOUBLE D</p> | <p>SHAFT STYLE 7<br/>HEX</p> | <p>SHAFT STYLE 8<br/>PINNED</p> |

  

|  |   |  |   |
|--|---|--|---|
| VALVE MANUFACTURE: _____<br>VALVE STYLE: _____<br>VALVE MODEL #: _____   | MOUNT STYLE: <input type="checkbox"/>   | MOUNTING HOLES: <input type="checkbox"/>   | SHAFT STYLE: <input type="checkbox"/>   |
| VALVE SIZE <input type="checkbox"/> MEDIA TYPE <input type="checkbox"/> SPRING RETURN <input type="checkbox"/><br>SYSTEM PRESSURE <input type="checkbox"/> MEDIA TEMP <input type="checkbox"/> NON SPRING <input type="checkbox"/><br>2 WAY <input type="checkbox"/> AMBIENT TEMP <input type="checkbox"/> TWO POSITION <input type="checkbox"/><br>3 WAY <input type="checkbox"/> MODULATING CONTROL <input type="checkbox"/> | DIM A: <input type="text"/><br>DIM B: <input type="text"/><br>DIM C: <input type="text"/> | DRILLED <input type="checkbox"/><br>DIA: <input type="text"/><br>TAPPED <input type="checkbox"/><br>THREAD: <input type="text"/> | DIM D: <input type="text"/><br>DIM E: <input type="text"/><br>DIM F: <input type="text"/><br>DIM G: <input type="text"/><br>DIM H: <input type="text"/> |

NOTE: THIS INFORMATION WILL BE UTILIZED IN THE FABRICATION OF A CUSTOM LINKAGE SYSTEM FOR YOUR VALVE REQUIREMENT; THEREFORE, IT IS ESSENTIAL THAT THE ABOVE DIMENSIONS BE FURNISHED WITH READINGS TAKEN TO THE NEAREST .001". ANY ERRONEOUS DIMENSIONS FURNISHED WHICH RESULT IN IMPROPER FIT OF THIS LINKAGE SYSTEM ARE NOT THE RESPONSIBILITY OF BELIMO AIRCONTROLS. ANY REWORK REQUIRED WILL RESULT IN AN EXTRA CHARGE.

ABOVE INFORMATION PROVIDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**Please keep in mind that all dimensions are taken with ALL original actuation and hardware components removed from the valve body.**

Dimensions **A & B** relate to the **TOP** mounting holes on the butterfly valve body. These holes are usually arranged on the body in either an X pattern (mount style A), or a cross pattern (mount style B). This information is entered on the Butterfly Valve Retrofit Form in the "Mount Style" section. The length of the valve stem sticking out of the top of the valve body is recorded under **Dim C**. The TOP mounting holes are usually drilled through the top flange, but sometimes are threaded. Enter this information on the form next to the mount style information previously recorded.

Next is the valve stem data. The 5 styles of valve stems cover 98% of the butterfly valves ever produced. Examine the valve being retrofitted to establish which shaft style matches the form. Use caution when recording these dimensions. Careless use of calipers will result in a sloppy

and possibly dysfunctional linkage system. Dimension **D** refers to the valve stem diameter and should be measured at several points up and down as well as around the stem itself. Dimension **E** refers to the length of the drive surface available, whether it be a key, flattened surface, or the distance a drive hole is from the top of the stem. Dimension **F** refers to the width of the drive surface. This is the most critical dimension for correct linkage operation. Please measure accordingly.

Additionally, there are several boxes requesting information about the environment and process in which this linkage system will be utilized.

ALL the information contained on this form is required to guarantee the complete, perfect fit of your retrofit system. Keep in mind that retrofit kits are designed with close-tolerance components