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Quote #: \_\_\_\_\_  
 Prepared by: \_\_\_\_\_  
 Date: \_\_\_\_\_

Company: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

# Butterfly Valve Retrofit Form

This sheet is used to fabricate a custom mounting bracket with a new actuator (described in Step 4) for field mounting to an existing valve. Provide as much valve information as possible. No return credit is accepted on retrofit brackets. Often the most cost effective solution on a retrofit job that has very old butterfly valves is to replace the valves.

## Step 1. Valve Information

Valve Pipe Size \_\_\_\_\_  
 Manufacturer \_\_\_\_\_  
 Model/Part # \_\_\_\_\_  
 2-Way     3-Way  
 Torque Required \_\_\_\_\_  
 (if known)  
 Max. Close-off \_\_\_\_\_  
 Quantity \_\_\_\_\_

## Step 2. Bonnet Information (refer to Diagram 1)

Bonnet Type     1     2     3  
 Dimensions (closest 0.001")  
 A = \_\_\_\_\_ B = \_\_\_\_\_ C = \_\_\_\_\_  
 Bolt Holes  
 Drilled     Drilled & Tapped  
 Hole Size and/or Threads/Inch \_\_\_\_\_  
 Other \_\_\_\_\_  
 (include drawing)

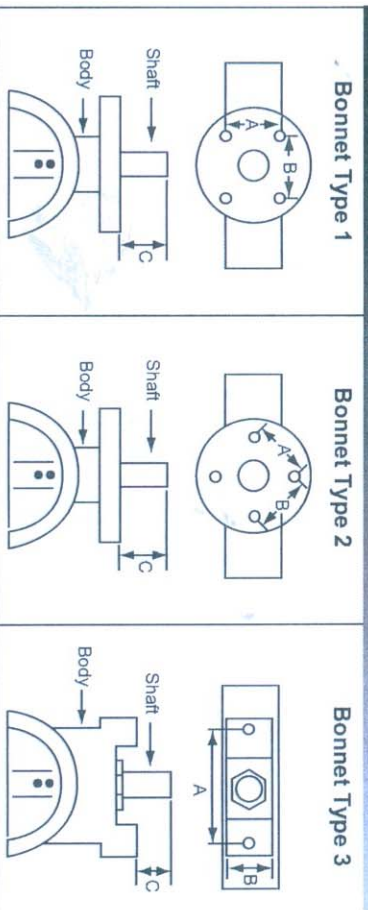
## Step 3. Shaft Information (refer to Diagram 2)

Shaft Type     1     2     3     4     5  
 Dimensions (closest 0.001")  
 D = \_\_\_\_\_  
 E = \_\_\_\_\_  
 F = \_\_\_\_\_  
 G = \_\_\_\_\_  
 H = \_\_\_\_\_  
 Other = \_\_\_\_\_  
 (include drawing)

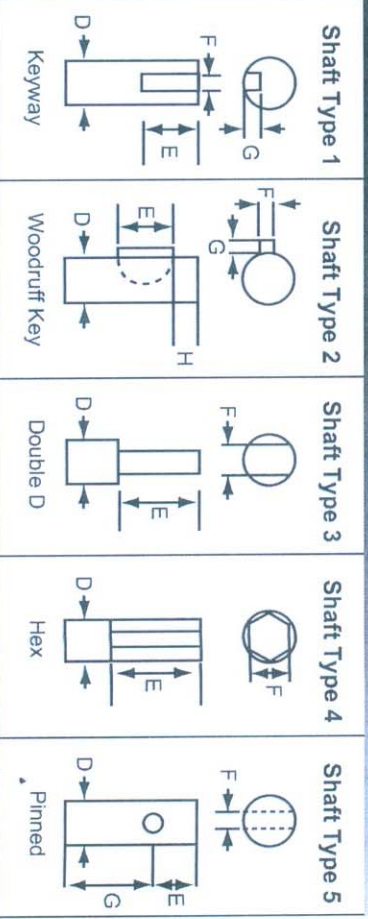
## Step 4. Actuator Requirements

Electric     Pneumatic  
 2-Position     Modulating  
 Spring Return (failsafe)     N.C.  
 Non-Spring Return     N.O.  
 Power (electric or pneumatic)  
 120 VAC     20 psig  
 24 VAC     80 psig  
 Other \_\_\_\_\_  
 Control Signal  
 4-20 mA     3-15 psig  
 2-10 VDC     Other \_\_\_\_\_  
 Floating  
 NEMA 4 Enclosure Required  
 Yes     No

### Diagram 1. Bonnet Type



### Diagram 2. Shaft Type



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## 2 AND 3-WAY GLOBE VALVE RETROFIT FORM

This form is to be used if your existing valve is not listed in Retrofit Library located in the VSI Electronic Control Valve and Damper Catalog. Make photocopies of this form (or contact VSI for additional copies) as needed and fax completed forms to Valve Solutions Inc. to ensure proper linkage compatibility. A separate form should be used for each valve when information is different for valve size or manufacturer. Please fill out form completely. Draw your own diagram using the space in Figure 4 below if necessary.

Quantity \_\_\_\_\_

**Valve Body Information:**

Figure No. (choose 1, 2, or 3 below) \_\_\_\_\_

Manufacturer (if known) \_\_\_\_\_

Model No: (if known) \_\_\_\_\_

Valve Size: \_\_\_\_\_

2 Way or  3 Way

**Actuator (check all that apply):**

On/Off  Tri-State  Modulating

Spring Return

24 V  120 V

Weather Proof Enclosure

Approximate Close-Off Required \_\_\_\_\_ (PSI)

**Valve Body Dimensions (see below for letter designations):**

A= \_\_\_\_\_ B= \_\_\_\_\_

C= \_\_\_\_\_ th/in D= \_\_\_\_\_ th/in

E= \_\_\_\_\_ F= \_\_\_\_\_

G= \_\_\_\_\_ H= \_\_\_\_\_

I= \_\_\_\_\_ J= \_\_\_\_\_

**Letter Designations (for above):**

A = Height with stem down

B = Length of the neck

C = Stem diameter and threads/inch

D = Major diameter and threads/inch

E = Lift (Stroke Length)

F,G,H, I = Neck dimensions

Comments: \_\_\_\_\_

<p align="center"><b>Figure No.1</b></p>	<p align="center"><b>Figure No.2</b></p>
<p align="center"><b>Figure No.3</b></p>	<p align="center"><b>Figure No.4</b> (If Fig. 1, 2, 3, do not match your valve, please sketch below.)</p> <p align="center">DRAW YOUR OWN</p>