



Manufacturing Innovation. **Together.**

```
Function GetFlangeFilename(strFlangeType As String, strFlangeEnd As String, dblSize As Double) As String
    ' This function determines the full path and filename of the end connection that is needed, based on the flange type,
    '     flange end connection, and size
    Dim strFilename As String

    ' If the end connection is "Open", then we just return a flange part
    If strFlangeEnd = "Open" Then
        strFilename = LIBRARY_PATH & "Flanges\ASME B16.5 Flange " & strFlangeType & " - Class 150 " & dblSize & ".ipt"
    ' If the end connection is "Capped", then we find which pre-created assembly includes the desired flange and cap
    ' The files in the library were setup with a consistent naming convention so that it was easy to derive the filenames
    '     based on this information
    ElseIf strFlangeEnd = "Capped" Then
        strFilename = LIBRARY_PATH & "Flanges\" & strFlangeType & " to Blind - " & dblSize & ".iam"
    ' If the end connection is "Valve", then we find which pre-created assembly includes the desired flange and butterfly valve
    ' The files in the library were setup with a consistent naming convention so that it was easy to derive the filenames
    '     based on this information
    Else
        strFilename = LIBRARY_PATH & "Valves\Butterfly\" & dblSize & " Inch\" & strFlangeType & " to Threaded Valve - " & dblSize & ".iam"
    End If

    ' Set our resulting filename string to the GetFlangeFilename function so that it can be returned to our calling statement
    GetFlangeFilename = strFilename
End Function
```