

KETIV

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```
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
```