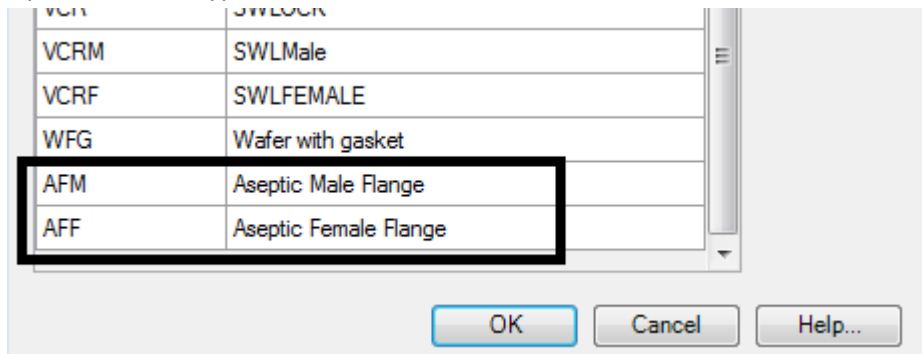


End Code Examples

Aseptic Flange Male and Female

- Open Plant and type "PLANTENDCODES" to create new end codes



- Update the Joint Setup with your new End codes

Placeholder	Universal_ET	Universal_ET, BV, PL, T...	Universal	Nominal Diameter	None
AsepticConnection	AFM	AFF	Gasket, Bolt Set	Nominal Diameter, Pressure Class, Facing	None

☐ Enable Imperial to Metric connection control

Compound joints

Name	End 1	End 2	Connection Part
AutoFlange	FL, WF, LUG	PL, BV, Universal_ET	Flange
AutoSleeve	MJM	MJM, MJP, PL	Sleeve
AutoThread	THDM	PL, THDM	Coupling
AsepticFconnect	AFM	PL, AFF	Flange
AsepticMconnect	AFF	PL, AFM	Flange

Buttons: Add..., Modify..., Delete

DefaultConnectorsConfig.xml

```
<Joint Name="AsepticConnection">
  <AllowImperialMetric>false</AllowImperialMetric>
  <OffsetTolerance>0</OffsetTolerance>
  <SlopeTolerance>0</SlopeTolerance>
  <FittingElements/>
  <JointElements>
    <JointElement PartType="Gasket">
      <Queries/>
      <PortOut>S2</PortOut>
      <PortIn>S1</PortIn>
      <Filter>NominalDiameter=E1.NominalDiameter AND Facing=E1.Facing AND
        PressureClass=E1.PressureClass AND GasketStd='1'</Filter>
    </JointElement>
    <JointElement PartType="BoltSet">
      <Queries/>
      <PortOut>S2</PortOut>
      <PortIn>S1</PortIn>
      <Filter>NominalDiameter=E1.NominalDiameter AND IsLugSet=0 AND Facing=E1.Facing AND
        PressureClass=E1.PressureClass</Filter>
    </JointElement>
  </JointElements>
  <OptionalMatchCondition/>
  <MatchCondition>E1.NominalDiameter=E2.NominalDiameter AND
    E1.PressureClass=E2.PressureClass AND E1.Facing=E2.Facing</MatchCondition>
  <EndConditions2>
    <EndCondition>AFF</EndCondition>
  </EndConditions2>
  <EndConditions1>
    <EndCondition>AFM</EndCondition>
  </EndConditions1>
</Joint>
```

```

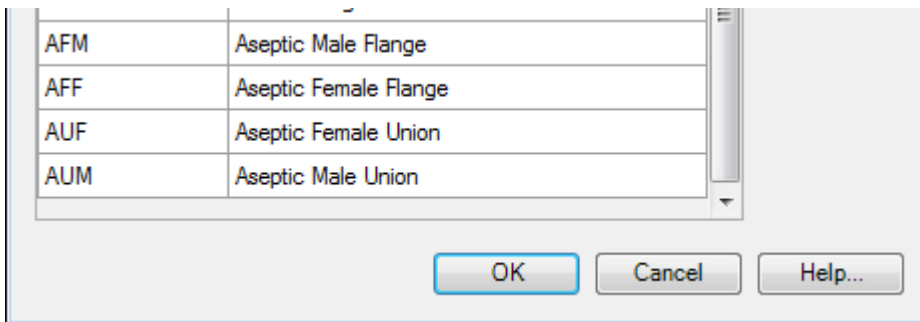
    </EndConditions1>
<Description/>
    </Joint>
<Joint Name="AsepticFconnect">
<AllowImperialMetric>false</AllowImperialMetric>
<OffsetTolerance>0</OffsetTolerance>
<SlopeTolerance>0</SlopeTolerance>
<FittingElements>
<FittingElement PartType="Flange">
<Queries/>
<PortOut>S2</PortOut>
<PortIn>S1</PortIn>
<Filter>C1.NominalDiameter=E1.NominalDiameter AND
    C2.NominalDiameter=E2.NominalDiameter AND C1.Facing=E1.Facing AND C1.EndType='AFF'
    AND C1.PressureClass=E1.PressureClass</Filter>
    </FittingElement>
    </FittingElements>
<JointElements/>
<MatchCondition/>
<EndConditions2>
<EndCondition>PL</EndCondition>
<EndCondition>AFF</EndCondition>
    </EndConditions2>
<EndConditions1>
<EndCondition>AFM</EndCondition>
    </EndConditions1>
<Description/>
    </Joint>
<Joint Name="AsepticMconnect">
<AllowImperialMetric>false</AllowImperialMetric>
<OffsetTolerance>0</OffsetTolerance>
<SlopeTolerance>0</SlopeTolerance>
<FittingElements>
<FittingElement PartType="Flange">
<Queries/>
<PortOut>S2</PortOut>
<PortIn>S1</PortIn>
<Filter>C1.NominalDiameter=E1.NominalDiameter AND
    C2.NominalDiameter=E2.NominalDiameter AND C1.Facing=E1.Facing AND
    C1.EndType='AFM' AND C1.PressureClass=E1.PressureClass</Filter>
    </FittingElement>
    </FittingElements>
<JointElements/>
<MatchCondition/>
<EndConditions2>
<EndCondition>PL</EndCondition>
<EndCondition>AFM</EndCondition>
    </EndConditions2>
<EndConditions1>
<EndCondition>AFF</EndCondition>
    </EndConditions1>
<Description/>
    </Joint>
    </Joints>
<EnableImperialMetric>false</EnableImperialMetric>
<Description>Default Joint Configuration</Description>
    </ConnectorsConfiguration>

```

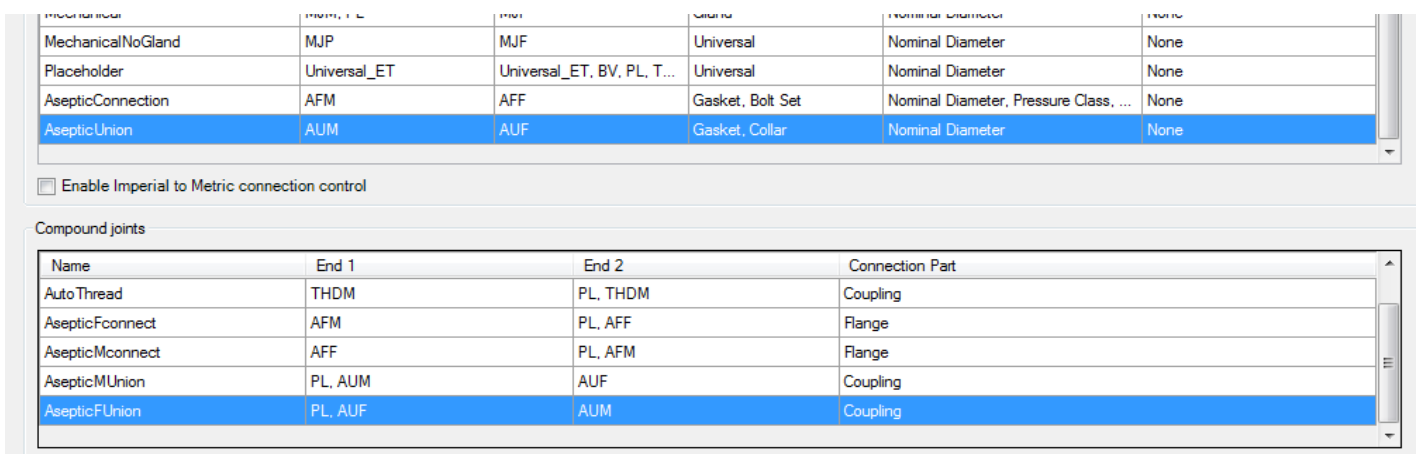
The Aseptic Flange needs an O Ring and to get this, you need to set a code for your gasket in Catalog Editor. The Code will be "GasketStd" need to be set to "1". That's the reason for filter **GasketStd='1'**

Aseptic O-Ring Union

- Open Plant and type "PLANTENDCODES" to create new end codes



- Update the Joint Setup with your new End codes



DefaultConnectorsConfig.xml

```
<Joint Name="AsepticUnion">
  <AllowImperialMetric>false</AllowImperialMetric>
  <OffsetTolerance>0</OffsetTolerance>
  <SlopeTolerance>0</SlopeTolerance>
  <FittingElements/>
  <JointElements>
    <JointElement PartType="Gasket">
      <Queries/>
      <PortOut>S2</PortOut>
      <PortIn>S1</PortIn>
      <Filter>NominalDiameter=E1.NominalDiameter AND GasketStd='2'</Filter>
    </JointElement>
    <JointElement PartType="Collar">
      <Queries/>
      <PortOut>S2</PortOut>
      <PortIn>S1</PortIn>
      <Filter>NominalDiameter=E1.NominalDiameter</Filter>
    </JointElement>
  </JointElements>
  <OptionalMatchCondition/>
  <MatchCondition>E1.NominalDiameter=E2.NominalDiameter</MatchCondition>
  <EndConditions2>
    <EndCondition>AUF</EndCondition>
  </EndConditions2>
  <EndConditions1>
    <EndCondition>AUM</EndCondition>
  </EndConditions1>
</Joint>
```

```

    </EndConditions1>
</Description/>
    </Joint>
<Joint Name="AsepticMUnion">
<AllowImperialMetric>false</AllowImperialMetric>
<OffsetTolerance>0</OffsetTolerance>
<SlopeTolerance>0</SlopeTolerance>
<FittingElements>
<FittingElement PartType="Coupling">
<Queries/>
<PortOut>S2</PortOut>
<PortIn>S1</PortIn>
<Filter>C1.NominalDiameter=E1.NominalDiameter AND
    C2.NominalDiameter=E2.NominalDiameter AND EndType='PL'</Filter>
    </FittingElement>
    </FittingElements>
</JointElements/>
<MatchCondition/>
<EndConditions2>
<EndCondition>AUF</EndCondition>
    </EndConditions2>
<EndConditions1>
<EndCondition>PL</EndCondition>
<EndCondition>AUM</EndCondition>
    </EndConditions1>
</Description/>
    </Joint>
<Joint Name="AsepticFUnion">
<AllowImperialMetric>false</AllowImperialMetric>
<OffsetTolerance>0</OffsetTolerance>
<SlopeTolerance>0</SlopeTolerance>
<FittingElements>
<FittingElement PartType="Coupling">
<Queries/>
<PortOut>S2</PortOut>
<PortIn>S1</PortIn>
<Filter>C1.NominalDiameter=E1.NominalDiameter AND
    C2.NominalDiameter=E2.NominalDiameter AND EndType='PL'</Filter>
    </FittingElement>
    </FittingElements>
</JointElements/>
<MatchCondition/>
<EndConditions2>
<EndCondition>AUM</EndCondition>
    </EndConditions2>
<EndConditions1>
<EndCondition>PL</EndCondition>
<EndCondition>AUF</EndCondition>
    </EndConditions1>
</Description/>
    </Joint>
</Joints>
<EnableImperialMetric>false</EnableImperialMetric>
<Description>Default Joint Configuration</Description>
</ConnectorsConfiguration>

```

The Aseptic Flange needs an O Ring and to get this, you need to set a code for your gasket in Catalog Editor.

The Code will be "GasketStd" need to be set to "1". That's the reason for filter **GasketStd='3'**

Placeholder	Universal_ET	PL, BV, THDM, THDF, S...	Universal	Nominal Diameter	None
HygienicClamp	HC	HC	Gasket, Clamp	Nominal Diameter	None

☐ Enable Imperial to Metric connection control

Compound joints

Name	End 1	End 2	Connection Part
AutoFlange	FL, WF, LUG	BV, PL, Universal_ET	Flange
AutoSleeve	MJM	MJM, MJP, PL	Sleeve
AutoThread	THDM	THDM, PL	Coupling
AutoHC	HC	PL, BV	Coupling

Pipe segments

Weld gaps

Weld dots

Wafer bolts

☐	Connection Port Count	
☐	Size Record Id	
☐	Port Name	
☐	Nominal Unit	
☐	Matching Pipe OD	
☒	End Type	End 1 () End Type
☐	Flange Std	
☐	Gasket Std	
☐	Facing	