

How to create a new ISODRAFT symbol for a piping component

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1 Introduction – Objective

The goal of this document is to explain how to create a new Isodraft Symbol for a piping component.

This document supposes that you are familiar with:

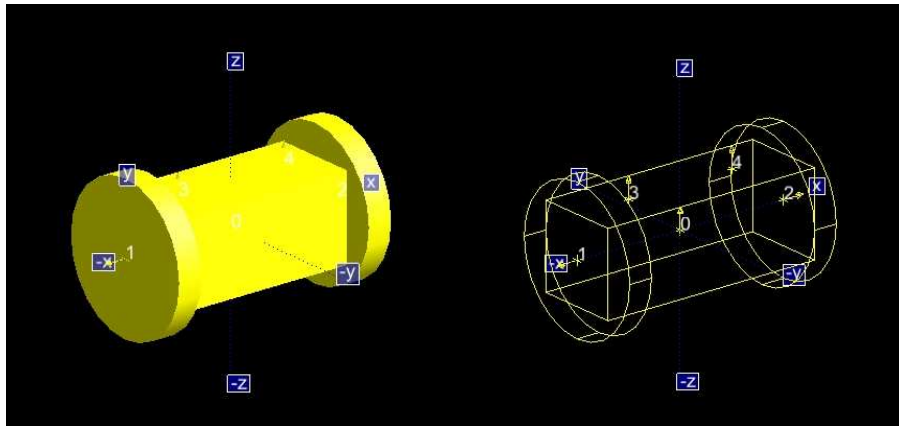
- PARAGON and Catalogue management
- DRAFT and ISODRAFT administration

2 Creating elements

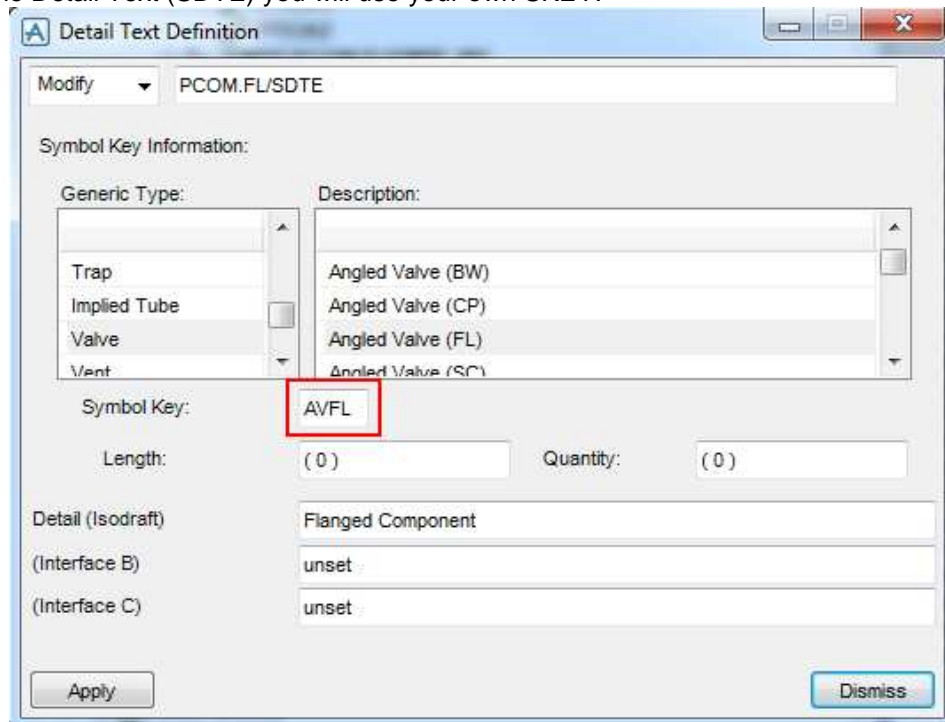
2.1 Creating a new piping component in PARAGON

1. Enter PARAGON module.
2. Go to Paragon → Pipework.
3. Create a new component (you can copy an existing one).

This is the example created:



4. For the Detail Text (SDTE) you will use your own SKEY:

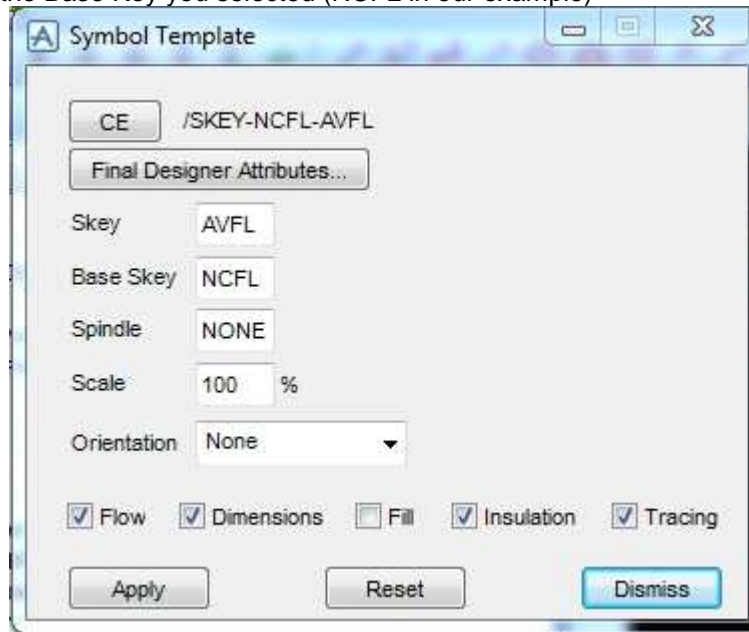


5. Add the new component to your specification
- Attached to this document you might find PCOM.FL-CATE.txt which includes the used CATE.

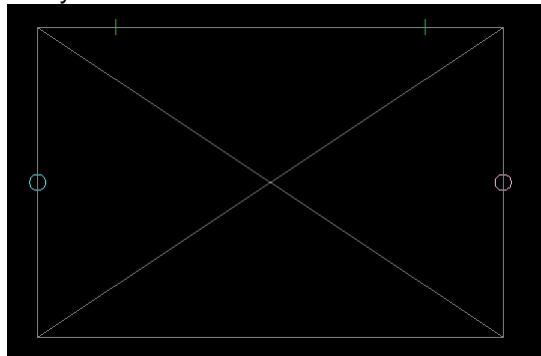
2.2 Creating the new Isodraft Symbol in Draft

The symbol you will create need to be based in an existing one (Base Key). In order to pick the correct one please refer to the "ISODRAFT Reference Manual".

1. Enter DRAFT as a DRAFTADMIN member
2. Go to Draft → Administration
3. Go to Draft → Isodraft Symbol Administration
4. Create a new ISOLB: Create → Isodraft Symbol Library
5. Create a new ISOTM: Create → Isodraft symbol Template
6. This symbol needs the following characteristics:
 - Give the same SKEY than used in PARAGON (AVFL in our example)
 - Give the Base Key you selected (NCFL in our example)



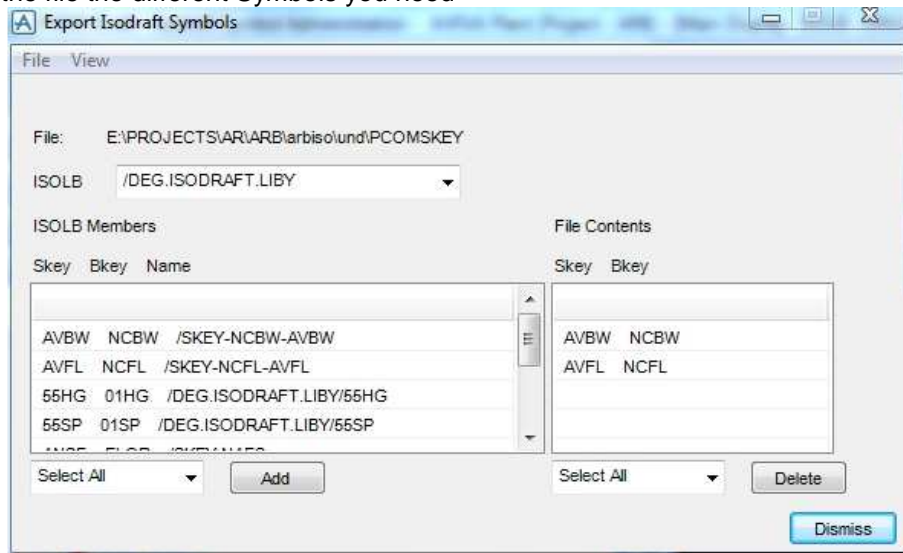
7. Create an Arrive Point, a Leave Point and the required branch (Tee) connections.
8. Create the desired geometry.



Attached to this document you might find PCOM.FL-ISOTM.txt which includes the used ISOTM.

3 Exporting the new Isodraft Symbols from DRAFT

1. Always in DRAFT – Isodraft Symbol Administration
2. Utilities → Export Isodraft Symbols
3. File → New
4. Create the new file, for example, under the project's XXXISO folder
5. Add to the file the different Symbols you need



6. File Close

4 Importing the new Isodraft Symbols into ISODRAFT

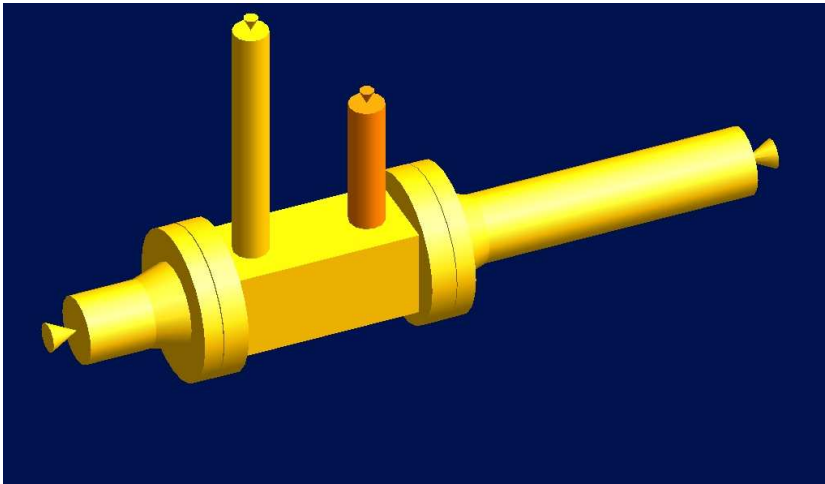
1. Enter ISODRAFT as an ISODRAFTADMIN
2. Options → Modify
3. Select the Options File where you will add the new symbols
4. Click on “Reports and Symbol File”
5. In the Symbol Definition paragraph select the folder and the symbols file that you created from DRAFT

Symbol Definition

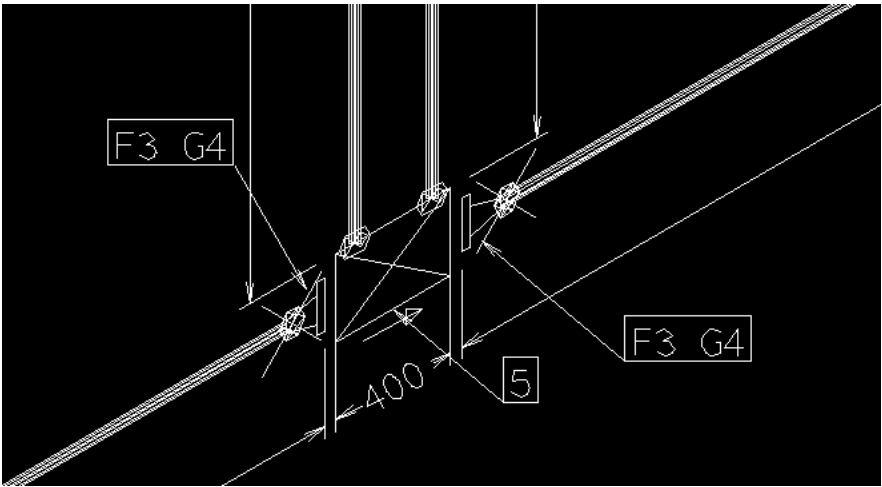
<input checked="" type="checkbox"/> Symbol Definition file	<input checked="" type="checkbox"/> Load support symbols		
Directory	%ARBISO%/und	Filename	PCOMSKEY
<input type="checkbox"/> Load symbol macro			
Directory	Local	Filename	

5 Results

5.1 Design



5.2 Isodraft



ERECTION MATERIALS				
PT NO	COMPONENT DESCRIPTION	N.S. (INS)	ITEM CODE	QTY
FLANGES				
3	FLANGE WN ANSI B16.5 #300 RF	4	FLAN-5	2
GASKETS				
4	GASKET RF 1 5MM ANSI B16.5 #300	4	GASK-5	2
INSTRUMENTS				
5	Flanged Component	4	INST-1	1
PIPE SPOOLS				
[1] [2]				