

New frontend Is missing **isCircular** and the grouping is different

OMEdit - Component Parameters - pipe in Modelica.Fluid.Examples.PumpingSystem

Parameters

General Assumptions Initialization Modifiers

Component
Name: pipe

Class
Path: Modelica.Fluid.Pipes.StaticPipe
Comment: Basic pipe flow model without storage of mass or energy

Parameters

nParallel	<input type="text" value="1"/>		Number of identical parallel pipes
length	<input type="text" value="100"/>	m	Length
isCircular	<input type="text" value="true"/>		= true if cross sectional area is circular
diameter	<input type="text" value="0.3"/>	m	Diameter of circular pipe
crossArea	<input type="text" value="Modelica.Constants.pi * diameter * diameter / 4"/>	m2	Inner cross section area
perimeter	<input type="text" value="Modelica.Constants.pi * diameter"/>	m	Inner perimeter
roughness	<input type="text" value="0.025"/>	mm	Average height of surface asperities (default: smooth steel pipe)
height_ab	<input type="text" value="50"/>	m	Height(port_b) - Height(port_a)

OK Cancel

Old frontend has **isCircular**

OMEdit - Component Parameters - pipe in Modelica.Fluid.Examples.PumpingSystem

Parameters

General Assumptions Initialization Modifiers

Component
Name: pipe

Class
Path: Modelica.Fluid.Pipes.StaticPipe
Comment: Basic pipe flow model without storage of mass or energy

Parameters

isCircular = true if cross sectional area is circular

Geometry

nParallel	<input type="text" value="1"/>		Number of identical parallel pipes
length	<input type="text" value="100"/>	m	Length
diameter	<input type="text" value="0.3"/>	m	Diameter of circular pipe
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perimeter	<input type="text" value="Modelica.Constants.pi * diameter"/>	m	Inner perimeter
roughness	<input type="text" value="0.025"/>	mm	Average height of surface asperities (default: smooth steel pipe)

Static head

height_ab	<input type="text" value="50"/>	m	Height(port_b) - Height(port_a)
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OK Cancel