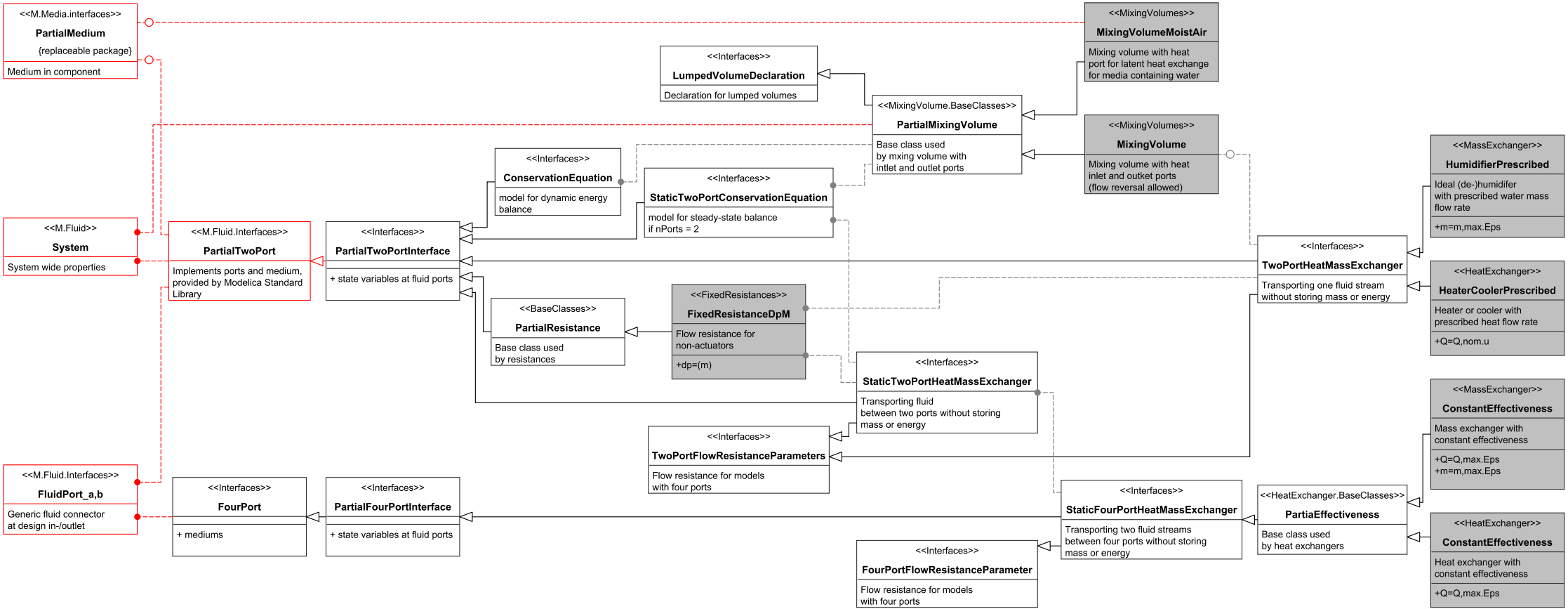
<<M.Media.interfaces>>
PartialMedium
{replaceable package}
Medium in component
<<MixingVolumes>>
MixingVolumeMoistAir
Mixing volume with heat port for latent heat exchange for media containing water
<<Interfaces>>
LumpedVolumeDeclaration
Declaration for lumped volumes
<<MixingVolume.BaseClasses>>
PartialMixingVolume
Base class used by mxing volume with intlet and outlet ports
<<MixingVolumes>>
MixingVolume
Mixing volume with heat inlet and outket ports (flow reversal allowed)
<<Interfaces>>
ConservationEquation
model for dynamic energy balance
<<Interfaces>>
StaticTwoPortConservationEquation
model for steady-state balance if nPorts = 2
<<MassExchanger>>
HumidifierPrescribed
Ideal (de-)humidifer with prescribed water mass flow rate
+m=m,max.Eps
<<M.Fluid>>
System
System wide properties
<<M.Fluid.Interfaces>>
PartialTwoPort
Implements ports and medium, provided by Modelica Standard Library
<<Interfaces>>
PartialTwoPortInterface
+ state variables at fluid ports
<<Interfaces>>
TwoPortHeatMassExchanger
Transporting one fluid stream without storing mass or energy
<<HeatExchanger>>
HeaterCoolerPrescribed
Heater or cooler with prescribed heat flow rate
+Q=Q,nom.u
<<BaseClasses>>
PartialResistance
Base class used by resistances
<<FixedResistances>>
FixedResistanceDpM
Flow resistance for non-actuators
+dp=(m)
<<Interfaces>>
StaticTwoPortHeatMassExchanger
Transporting fluid between two ports without storing mass or energy
<<MassExchanger>>
ConstantEffectiveness
Mass exchanger with constant effectiveness
+Q=Q,max.Eps
+m=m,max.Eps
<<Interfaces>>
TwoPortFlowResistanceParameters
Flow resistance for models with four ports
<<M.Fluid.Interfaces>>
FluidPort_a,b
Generic fluid connector at design in-/outlet
<<Interfaces>>
FourPort
+ mediums
<<Interfaces>>
PartialFourPortInterface
+ state variables at fluid ports
<<Interfaces>>
StaticFourPortHeatMassExchanger
Transporting two fluid streams between four ports without storing mass or energy
<<HeatExchanger.BaseClasses>>
PartiaEffectiveness
Base class used by heat exchangers
<<HeatExchanger>>
ConstantEffectiveness
Heat exchanger with constant effectiveness
+Q=Q,max.Eps
<<Interfaces>>
FourPortFlowResistanceParameter
Flow resistance for models with four ports