

# Incompatible flow

## Abbreviation

Incompatible flow

## Description

This rule belongs to [SysML activeValSuite](#) (active validation). It checks the compatibility of [Flow Properties](#) direction and type, [Item Flow](#) direction, and Conveyed Item type that flows via the [Connector](#).

When flow type or/and direction is incompatible the messages are shown:

- Item Flow is not possible! The Item Flow is incompatible.
- Incompatible Information Flow Type!
- Flow is not possible! The Flow Properties are incompatible.
- Incompatible Port directions!

## Severity

error

## Context element

Connector

## Solvers

- **Reverse Direction of Port '<port name>'** - the direction of Port is reversed.
- **Change Port '<port name>' type to '<type name>'** - the Port type is changed.
- **Change to Compatible Interface for '<port name>': <interface name>** - the compatible interface is suggested to select in the **Compatible Type** dialog.
- **Reverse Direction of Item Flow '<item flow name>'** - the direction of Item Property is reversed.
- **Reverse Direction of Both Ports** - the directions of Ports at the Connector ends are reversed.
- **Change Item Flow Type from '<type name>' to '<type name 1>'** - the type of Item Flow is changed.
- **Make '<type name>' Subtype of '<type name 1>'** - the type is made another type subtype.

## Example

