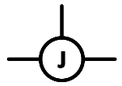
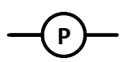
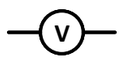
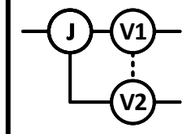
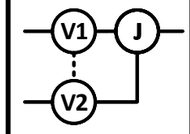
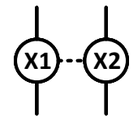
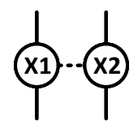
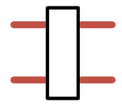
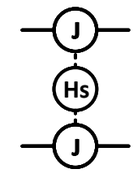
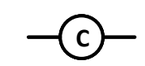
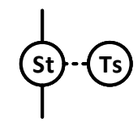
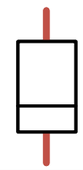
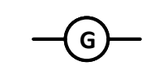
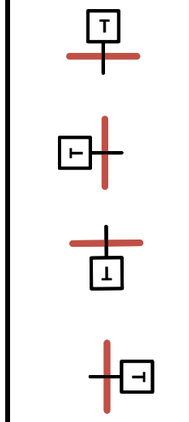
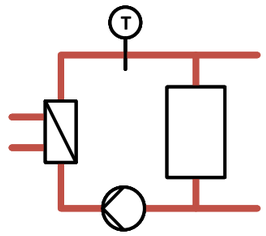
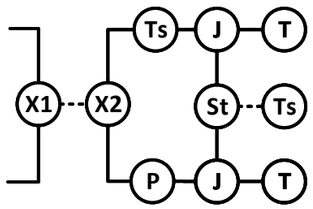
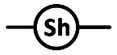
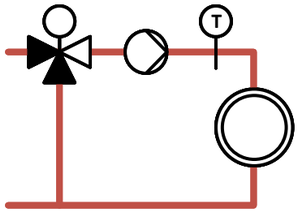
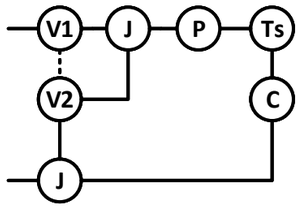
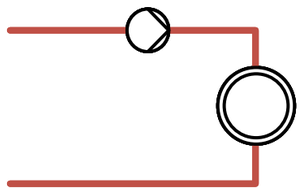
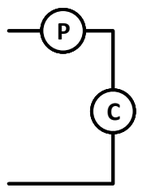
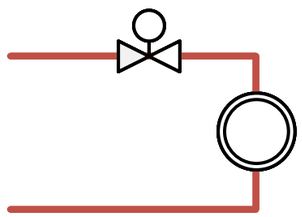
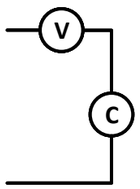
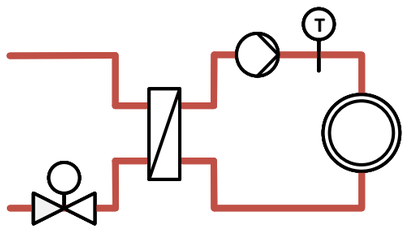
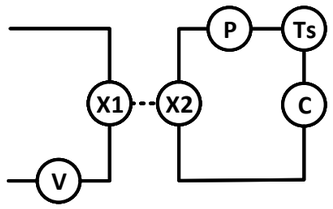
Name	Hydraulic symbol (Hyd)	Node model	Comments
Pipe (Pp)			*both ends connected to other elements* *rotations: yes*
Pipe junction			*vertex / junction / node* *rotations: yes*
Pipe crossing			*pipes are connected (flow)* *rotations: yes*
Pipe terminal			*one end without conection* *rotations: yes*
Temperature sensor (TSen)			*rotations: yes*
Pressure sensor (PSen)			*rotations: yes*
Volume flow sensor (VflSen)			*rotations: yes*
Temperature monitor (TMon)			*rotations: yes*
Volume flow monitor (VflMon)			*rotations: yes*
Water pump (Pu)			*optional: directed* *rotations: yes*
2-port valve (Vlv) with actuator			*rotations: no*

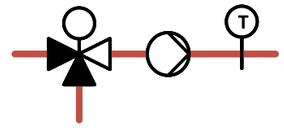
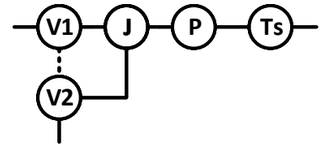
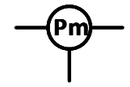
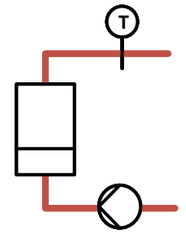
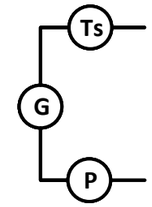
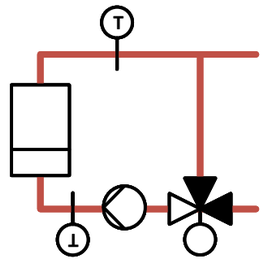
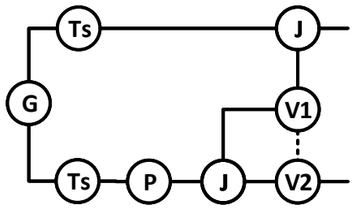
Name	Hydraulic symbol (Hyd)	Node model	Comments
3-port valve with actuator Mixing valve (Mxv-1)			*Orientation given by collector (non-filled triangle)* *dashed line: Synched valve controls (one open, one close)* *rotations: no*
3-port valve with actuator Mixing valve (Mxv-2)			*Orientation given by collector (non-filled triangle)* *dashed line: Synched valve controls (one open, one close)* *rotations: no*
Heat exchanger (HExg-1)			*dashed line: heat flow* *rotations: no*
Heat exchanger (HExg-2)			*second variant of the symbol with same meaning (i.e. same node model)* *dashed line: heat flow* *rotations: no*
Hydraulic separator (Hyds)			*dashed line: water flow* *rotations: no*
Consumer (Cns)			*rotations: no*
Storage tank (Stk)			*Integrated temperature sensor (inside tank)* *rotations: no*
Heat generator general (Gen)			*rotations: no*

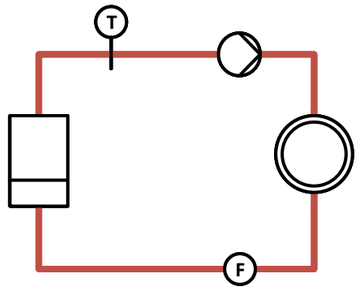
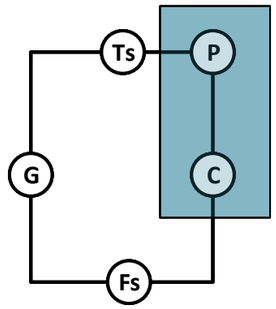
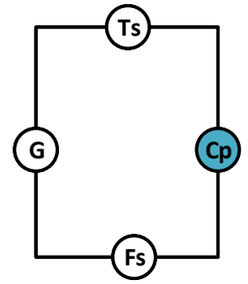
General rule for all symbols with rotations: yes

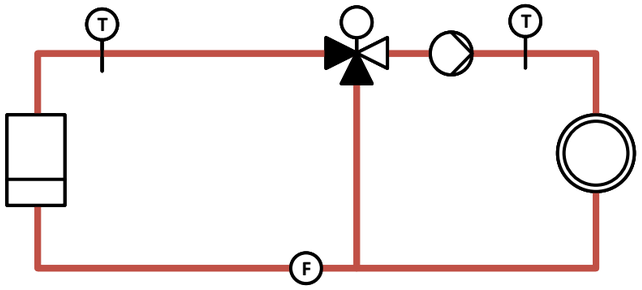
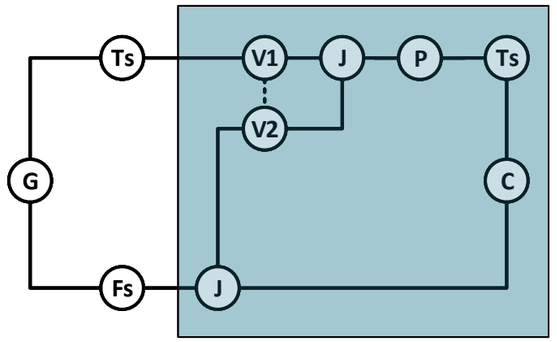
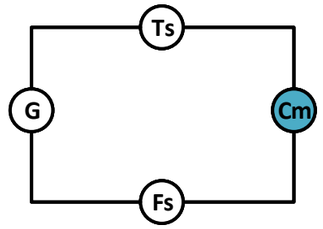
90°, 180°, 270° rotations of hyraulic symbol are possible

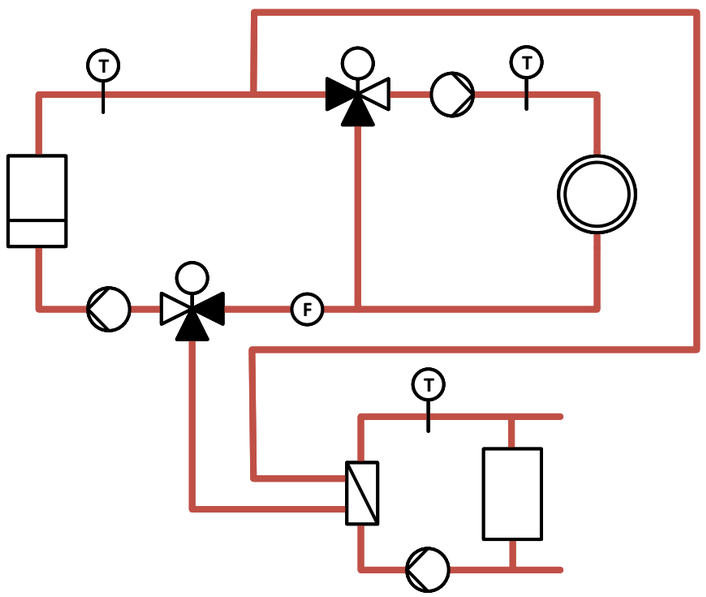
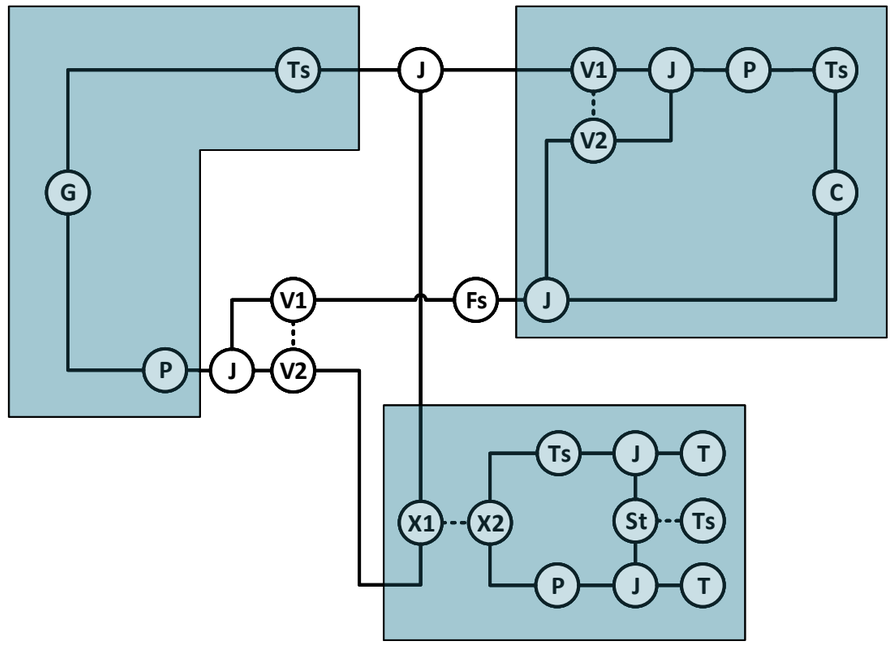
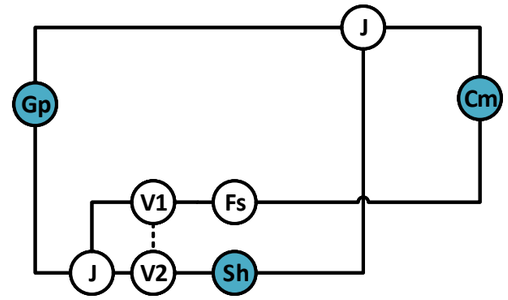
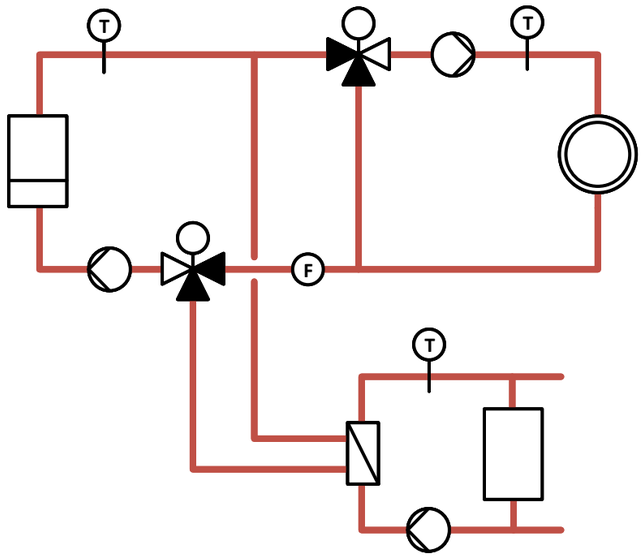


Name	Partial diagram	Node model	Supernode
Domestic hot water tank with external HExg			
Consumer with Mxv			
Consumer with Pu			
Consumer with Vlv			
Consumer with HExg			

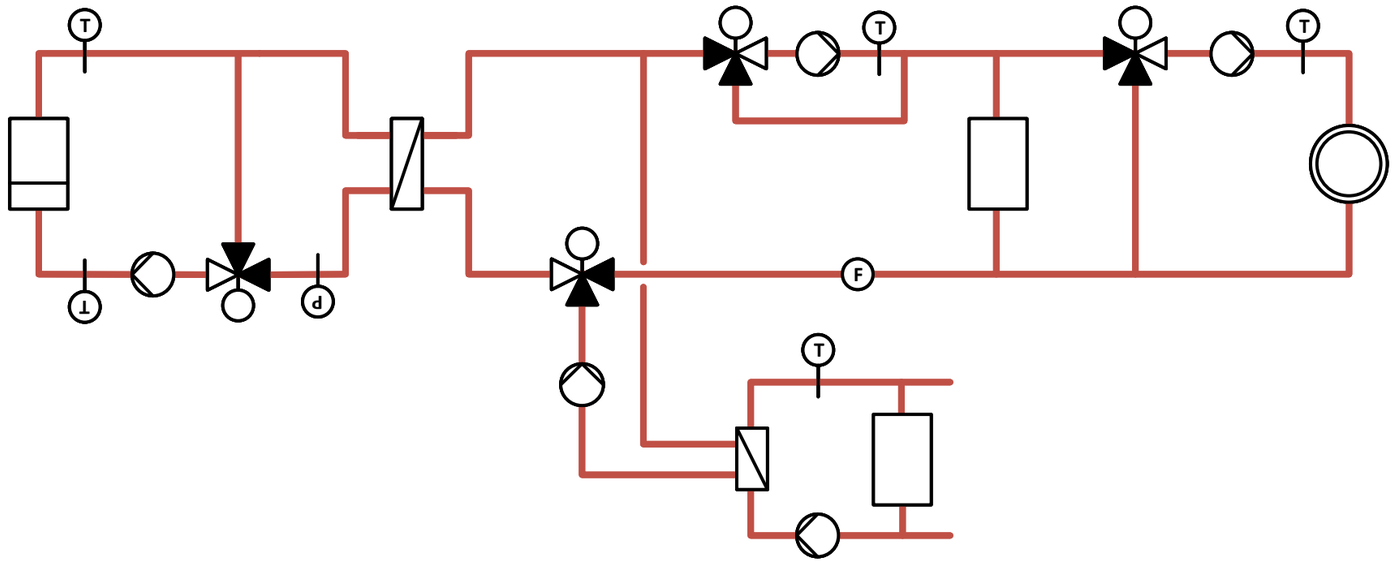
Name	Partial diagram	Node model	Supernode
Precontroler with Mxv			
Generator with Pu			
Generator with return Mxv			

Hydraulic diagram	Node diagram	Node diagram with supernodes
		

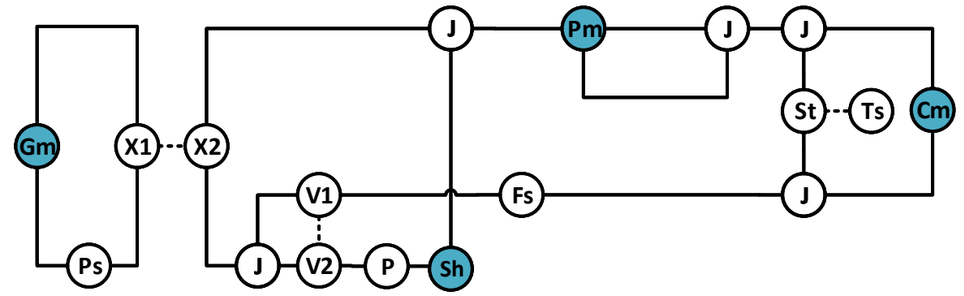
Hydraulic diagram	Node diagram	Node diagram with supernodes
		

Hydraulic diagram	Node diagram	Node diagram with supernodes
2a 		
2b 		

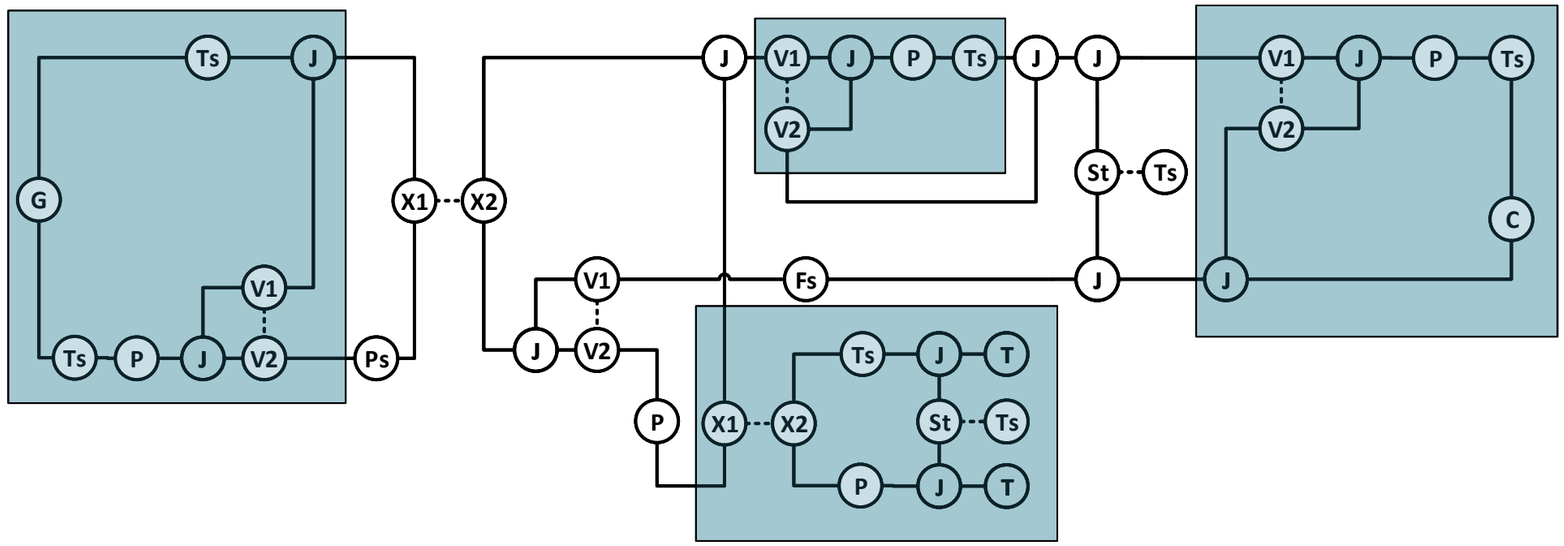
Hydraulic diagram



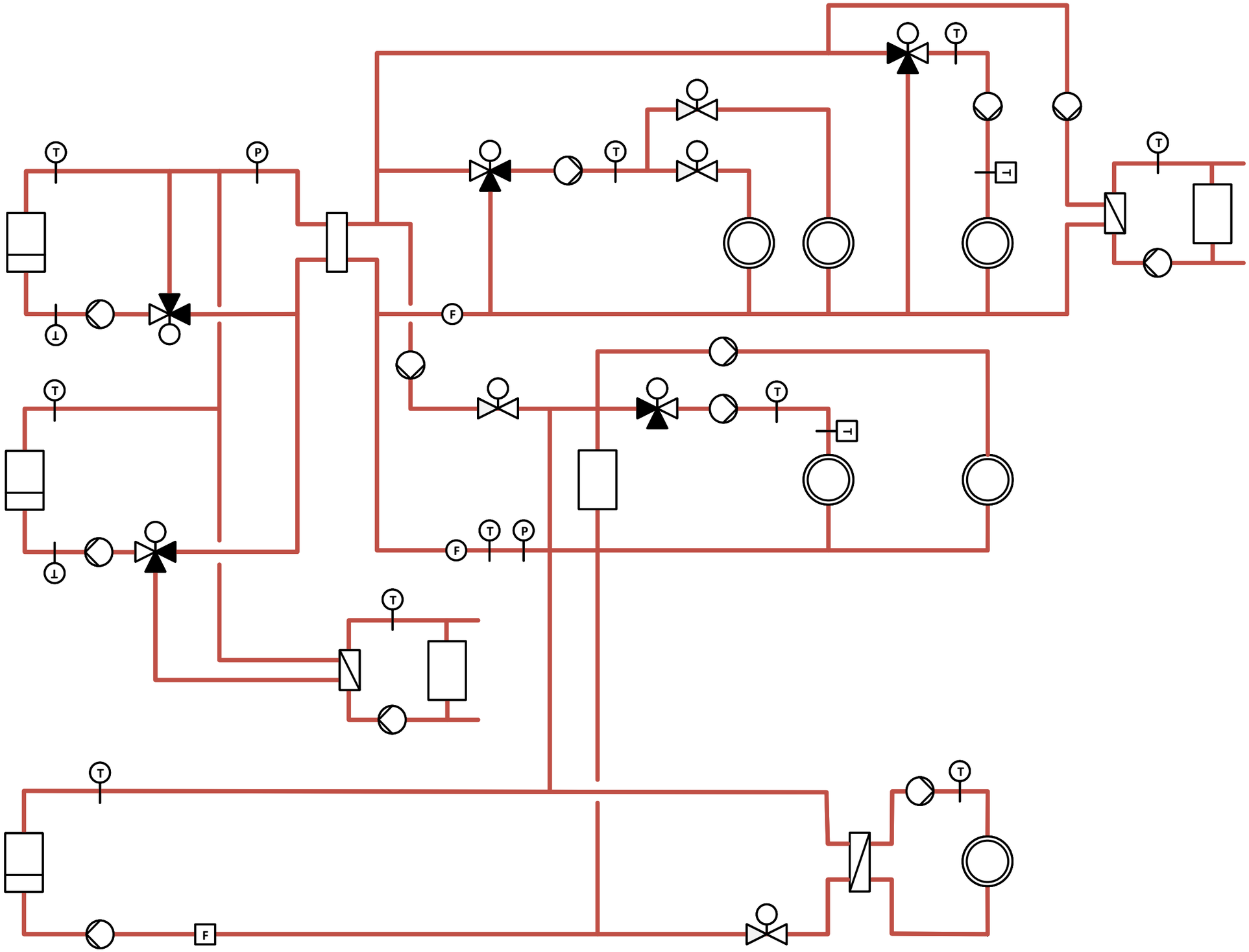
Node diagram with supernodes

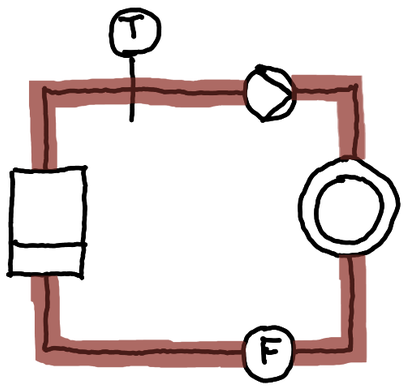
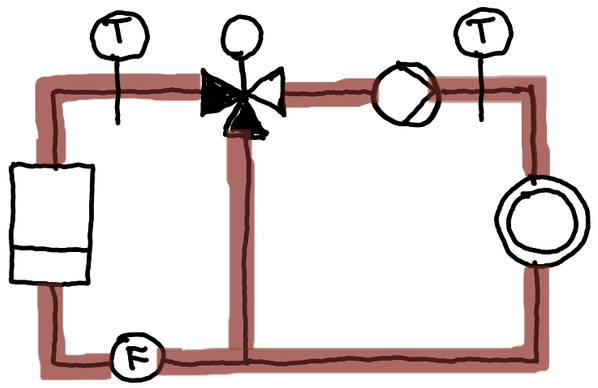
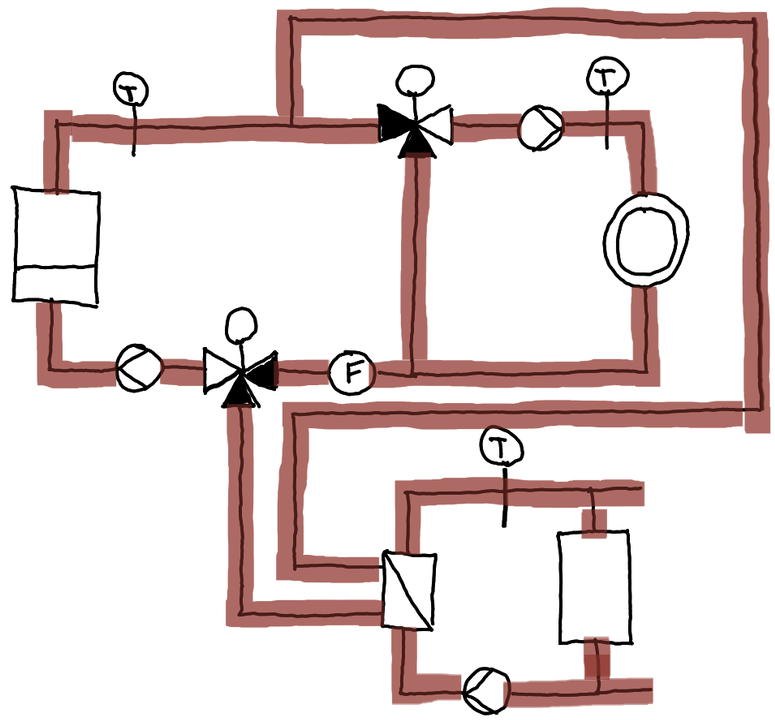


Node diagram



Hydraulic diagram



Example 0	Example 1	Example 2a
		

Example 0	Example 1