



VERTA SERIES

Air-to-Water Heat Pump

BASIC PLUMBING SCHEMATICS VERTA AIR-TO-WATER HEAT PUMP

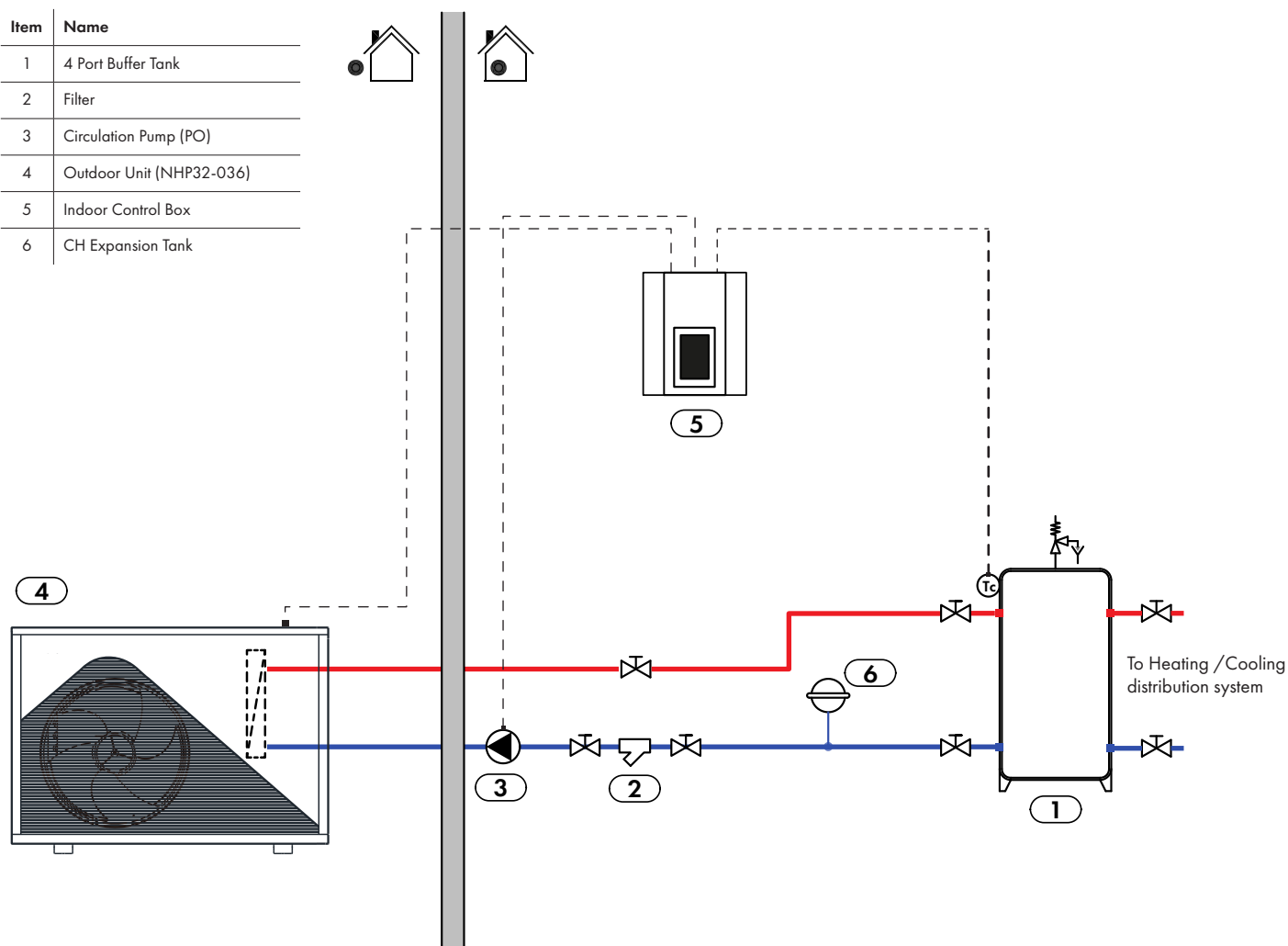


Plumbing schematics for outdoor unit and indoor control box only.
For full electrical schematics and control configurations, please refer to the installation manual.

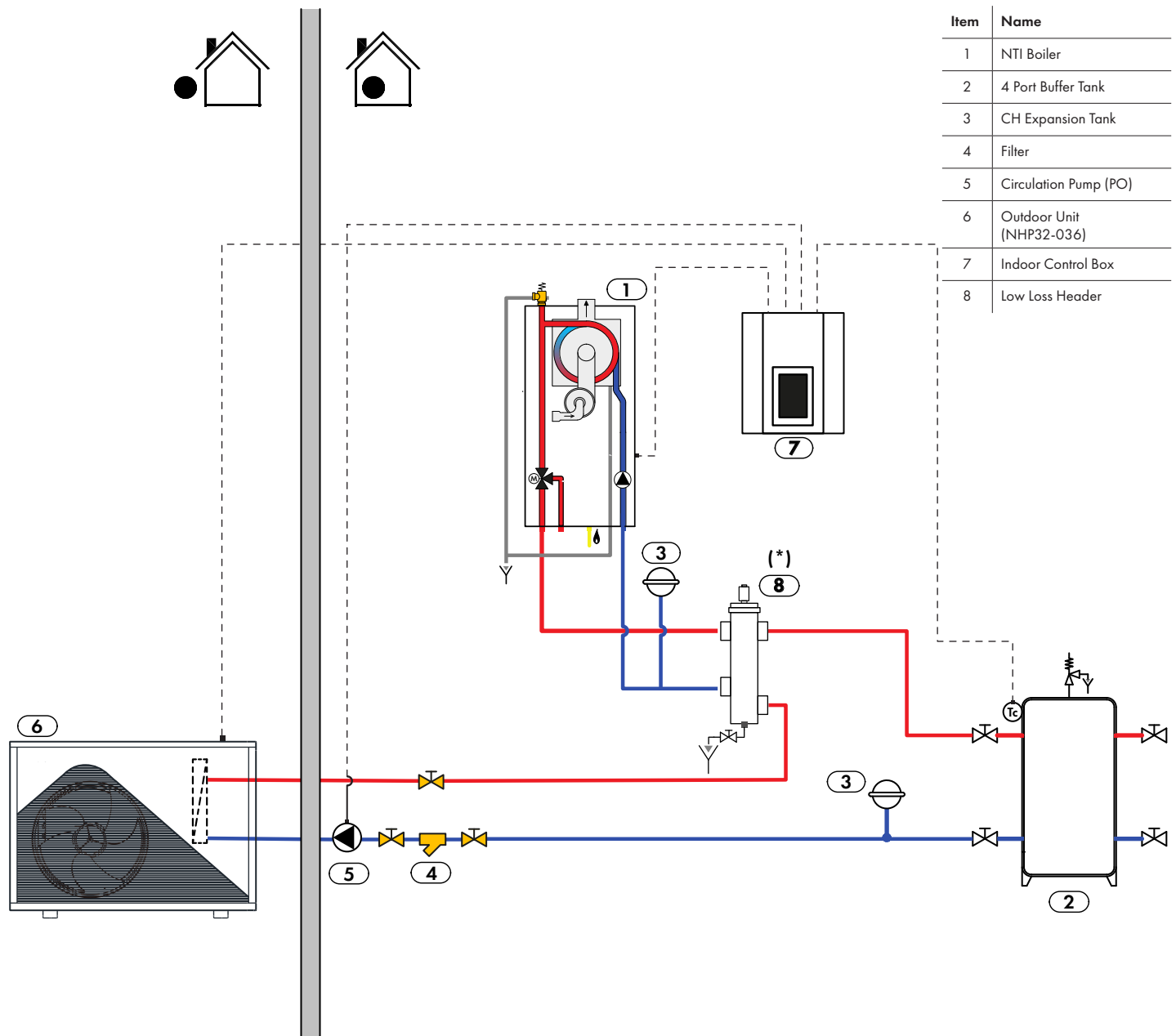


CENTRAL HEATING / COOLING WITH BUFFER TANK

Item	Name
1	4 Port Buffer Tank
2	Filter
3	Circulation Pump (PO)
4	Outdoor Unit (NHP32-036)
5	Indoor Control Box
6	CH Expansion Tank

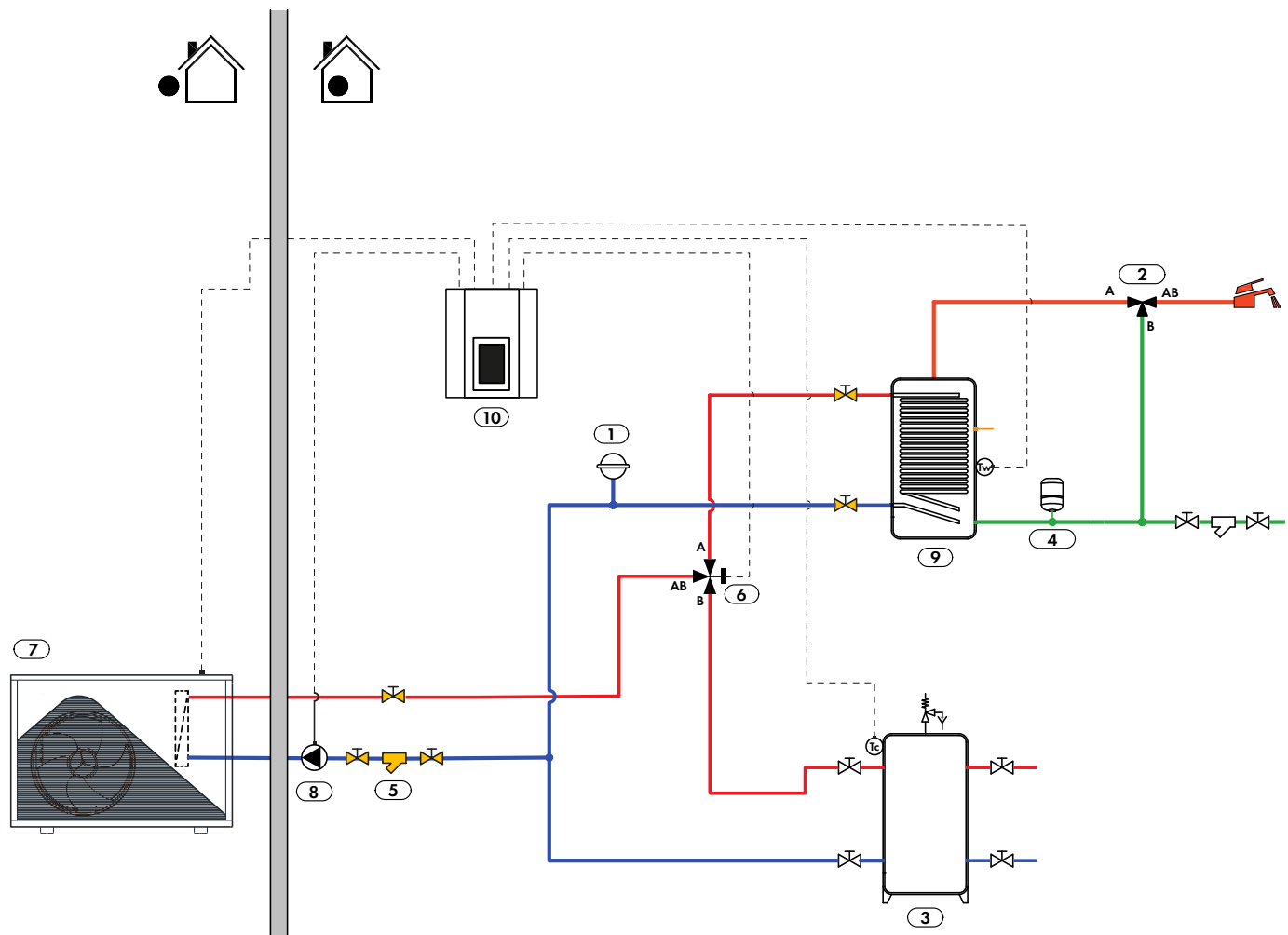


CENTRAL HEATING / COOLING HYBRID



*Low loss header can be replaced/substituted with properly piped/sized closely spaced tees

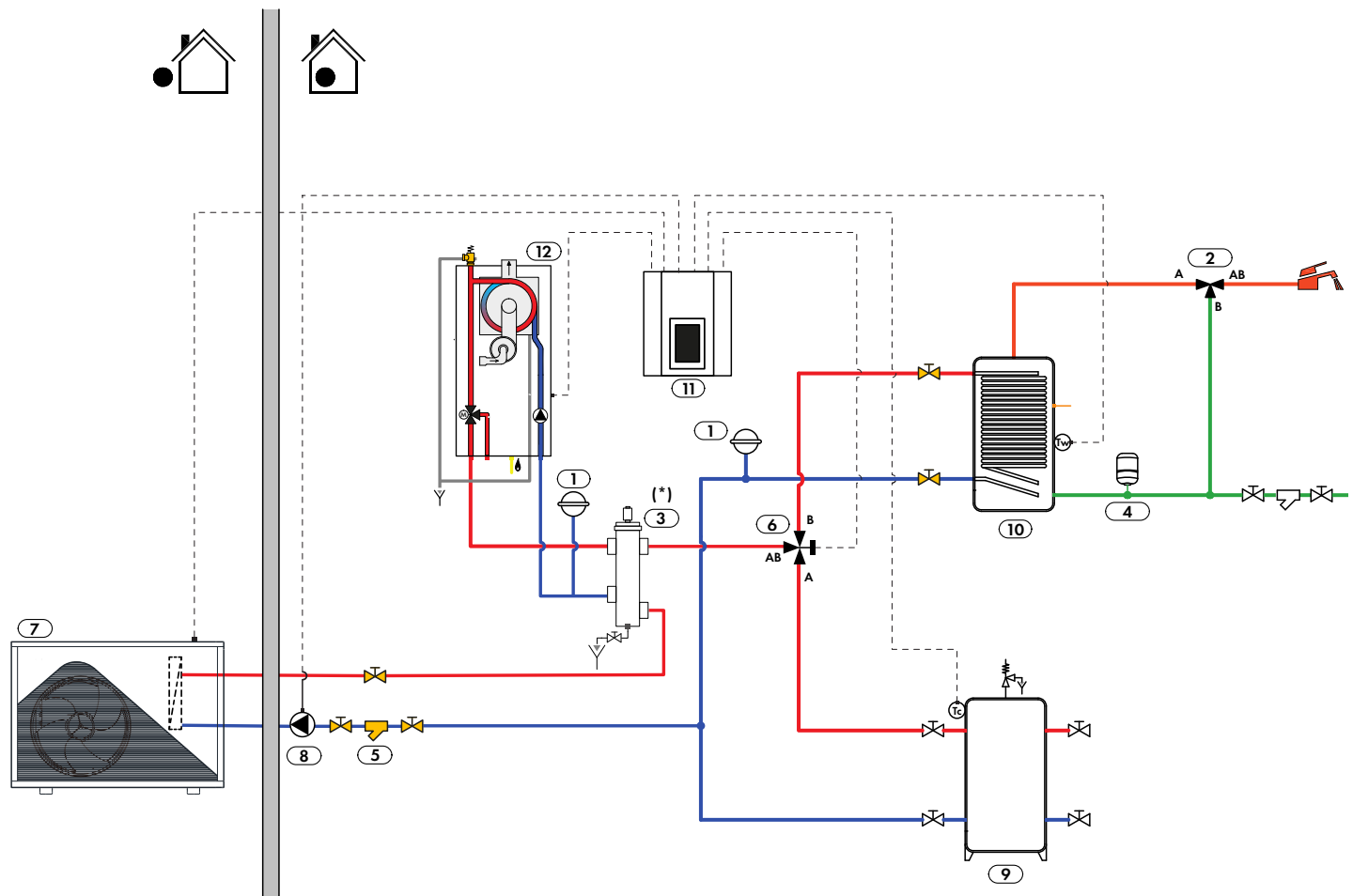
CENTRAL HEATING / COOLING WITH DHW INDIRECT



Item	Name
1	CH Expansion Tank
2	Thermostatic Mixing Valve
3	4 Port Buffer Tank
4	DHW Expansion Tank
5	Filter

Item	Name
6	HEATING-DHW 3-way Valve
7	Outdoor Unit (NHP32-036)
8	Circulation Pump (PO)
9	HP Indirect Tank
10	Indoor Control Box

CENTRAL HEATING / COOLING WITH DHW INDIRECT AND HYBRID



Item	Name
1	CH Expansion Tank
2	Thermostatic Mixing Valve
3	Low Loss Header
4	DHW Expansion Tank
5	Filter
6	HEATING-DHW 3-way Valve

Item	Name
7	Outdoor Unit (NHP32-036)
8	Circulation Pump (PO)
9	4 Port Buffer Tank
10	HP Indirect Tank
11	Indoor Control Box
12	NTI Boiler

*Low loss header can be replaced/substituted with properly piped/sized closely spaced tees