



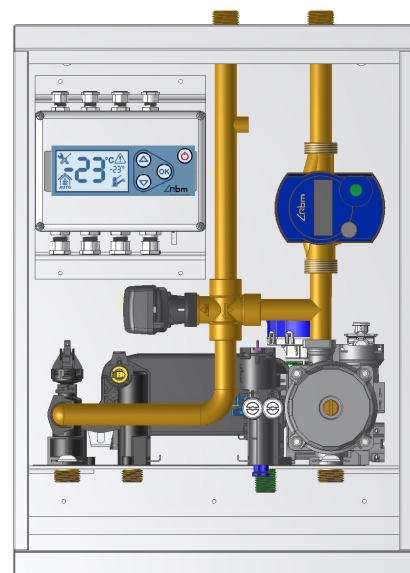
Heat Interface Units

*HIU stands for **H**eat **I**nterface **U**nit and essentially is a mechanical system used in place of a central heating able to supply heating and DHW without the use of gas. It works in a context of multi-storey flat where a communal boiler or a district heating service provides energy (hot water) that at the user level supplies the required heating and sanitary water needs .*

Available in 3 types

1. Hot water only
2. Hot water and Heating **DIRECT** from the communal boiler.
3. Hot water and Heating **INDIRECT** from the communal boiler

| | | |
|------------------------|---|---|
| DIRECT COMPACT HIU | Model 1 - 45kW DHW | Model 2 - 60kW DHW |
| INDIRECT COMPACT HIU | Model 3 - 45kW DHW 10kW heating | Model 4 - 60kW DHW 10kW heating |
| Water Only COMPACT HIU | Model 5 - 60kW DHW | |



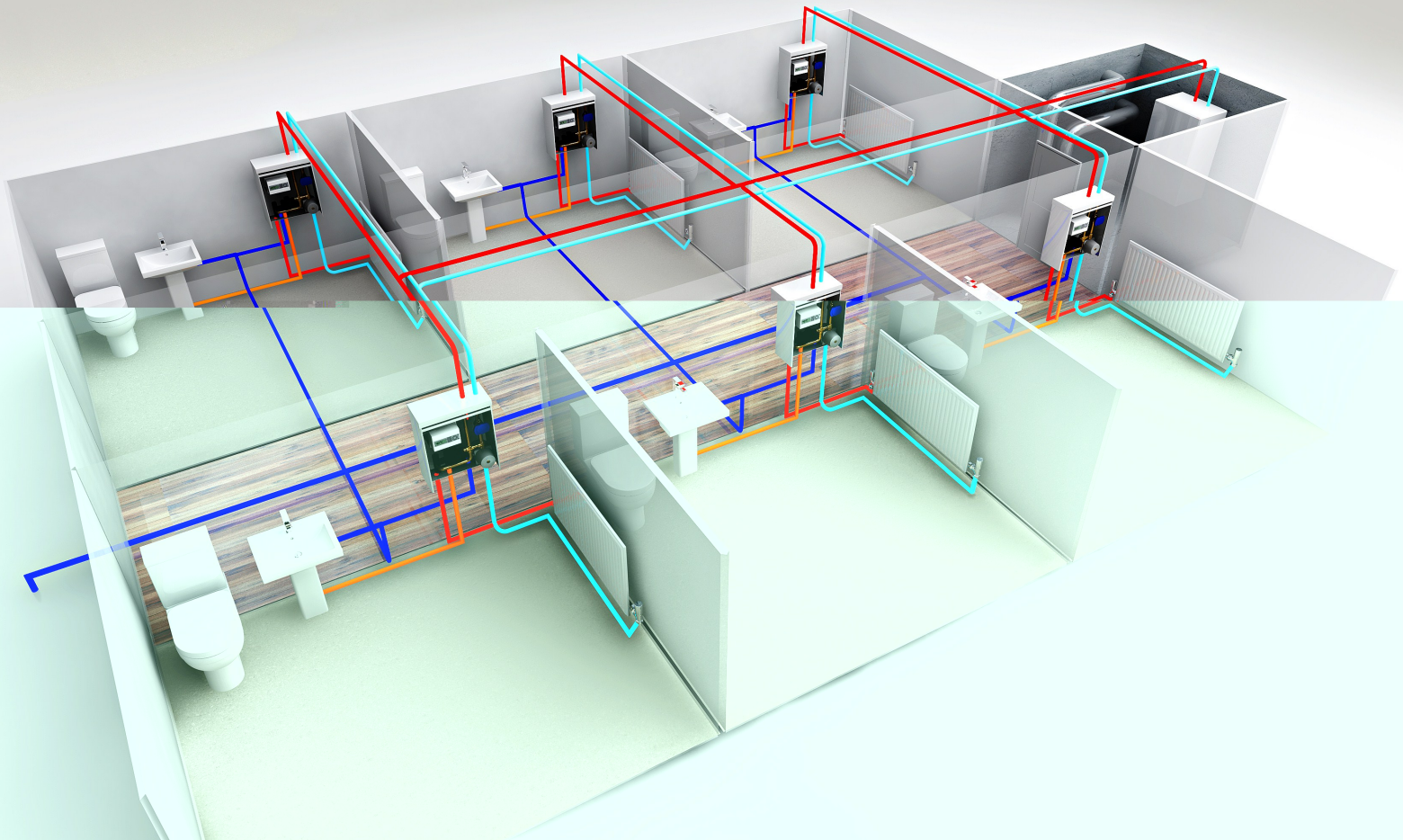
**from January 2014 all cabinet enclosures will be from EPP preformed and insulated jackets with fixing screws!*

heat interface units

INDIRECT units separate each individual flat from the communal boiler - the unit has 2 plate heat exchangers, one for the hot water interface, and one for the heating interface.

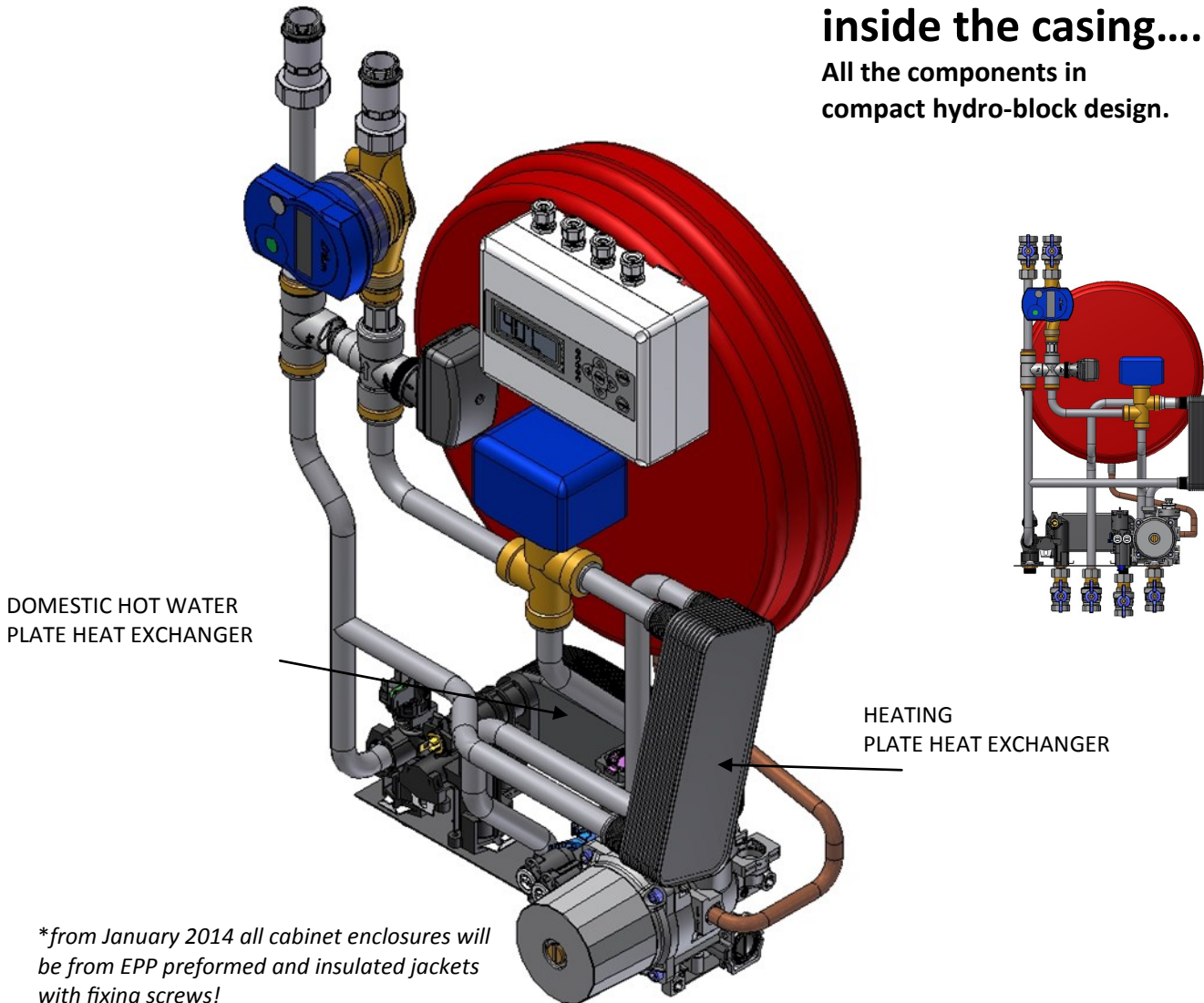
DIRECT units supply communal heat directly into the flat's heating system without interface, and across Europe is the most common and simple method - as well as being a more cost effective unit.

HOT WATER ONLY units (sometimes misleadingly called FRESH WATER STATIONS) are for communal Developments requiring hot water only, for the reason that heating is supplied by some other independent means (for example, electric heating)

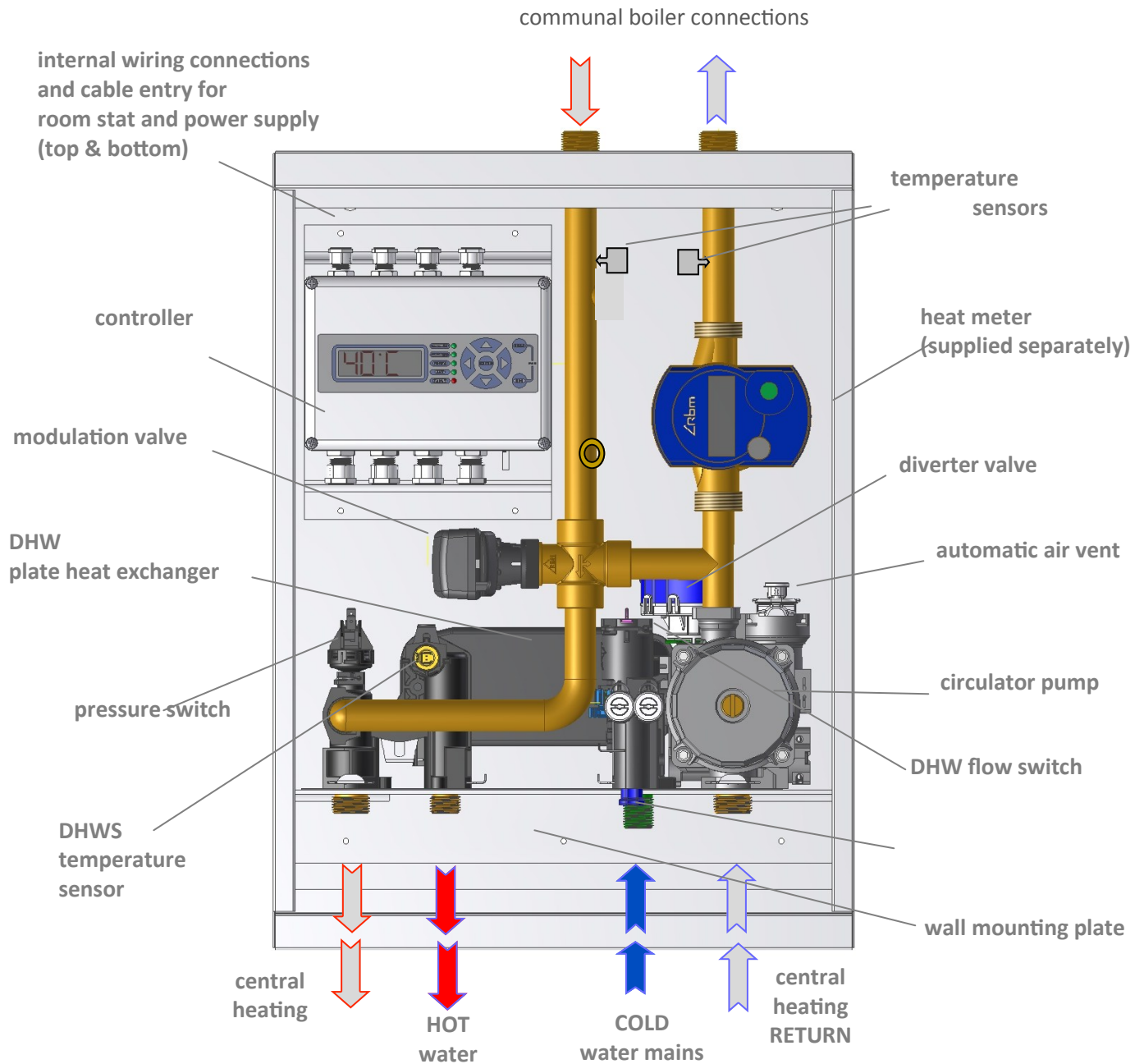


inside the casing.....

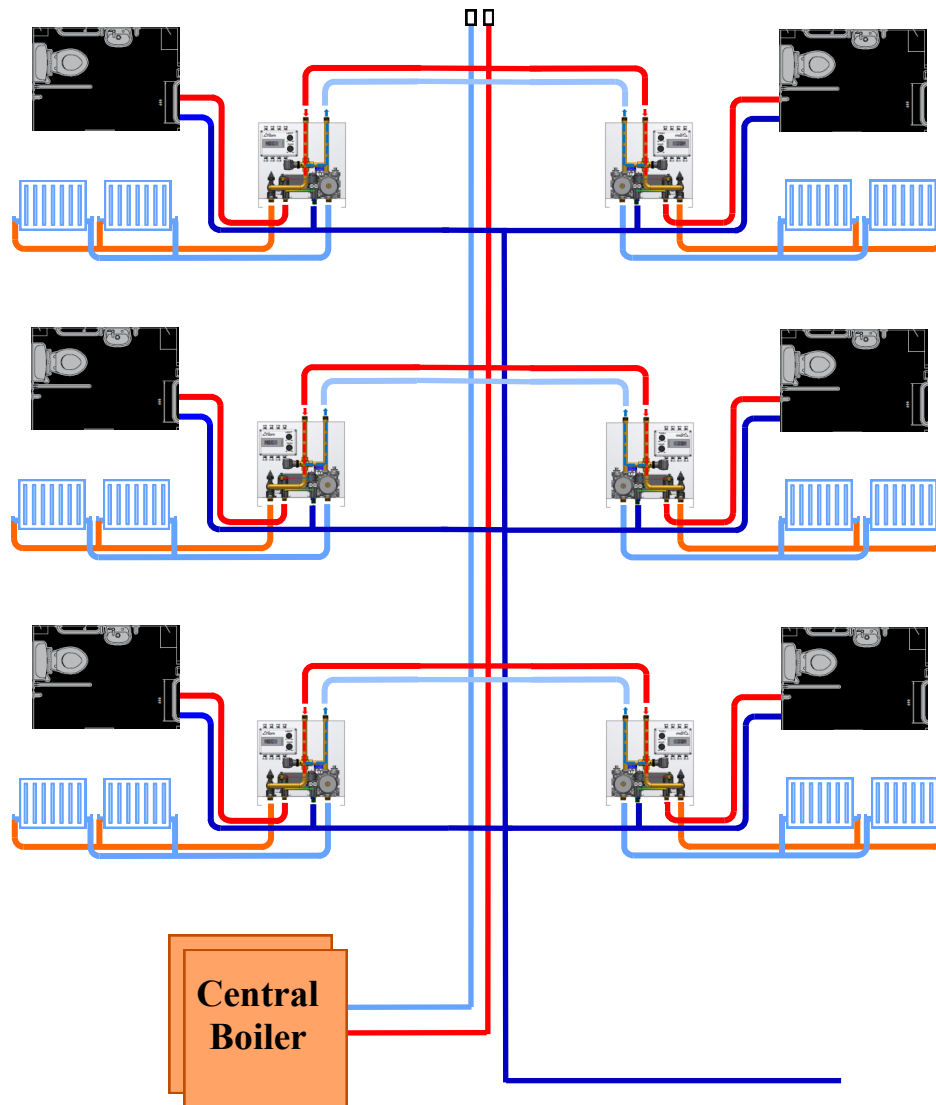
All the components in compact hydro-block design.



INDIRECT heat interface units



DIRECT heat interface units



communal heating supply

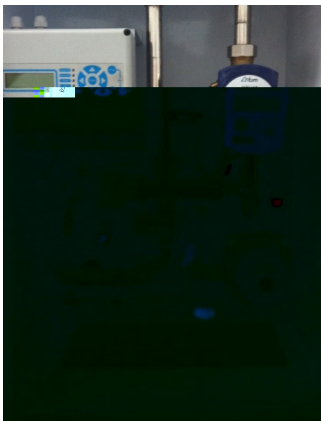
1 Bed Flat
1 bath/
shower

2 Bed Flat
1 bath/shower
+ 2nd shower

3 Bed Flat
2 bath/shower

Compact Hiper HIU covers the demands for most communal system applications

| | | |
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Also for consideration;

- heat meter systems
- PICV or DPCV (automatic valves for controlling flow and pressure differential)
- zoning for larger systems
- underfloor heating

hiu selection made simple