

Hydraulic Groups - HB-110

Composite hydraulic group with side pump connection, designed for combi type heating devices.

Compatible with all circulation pump make and models, and suitable to be used with on off and stepper type 3WV actuators.

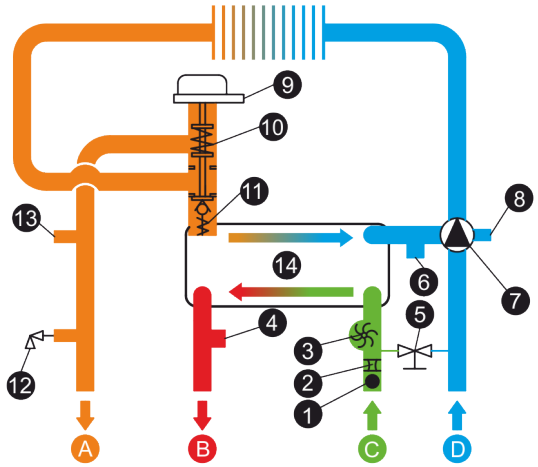
Standard content of delivery includes flow and return blocks with DHW filter, flow regulator as per customer request, radial type turbine flow meter with Hall effect senso manual filling tap, 3WV cartridge, brass or plastic 3 bar ½” pressure relief valve, ½” an ¾” brass connection nipples.

The hydraulic set could be customized and provided with a plate heat exchanger, 3WV motor, pressure switch or sensor and NTC sensor upon customer request.

Constructive Properties

Flow Detection	· Turbine Type Flowmeter with Hall Effect Sensor
Pump Connection	· Side
By-Pass Type	· Through PHE
Material	· Plastic (PA66 GF30) · Brass (CuZn40Pb2)
Flow Regulator	· 6 to 22 (lt/min)
Pressure Relief Valve	· 3 bar ½”

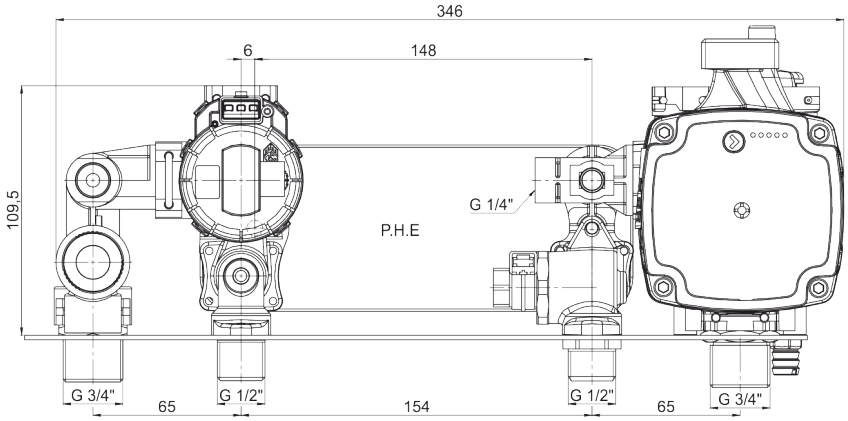
Technical Drawings - HB-110

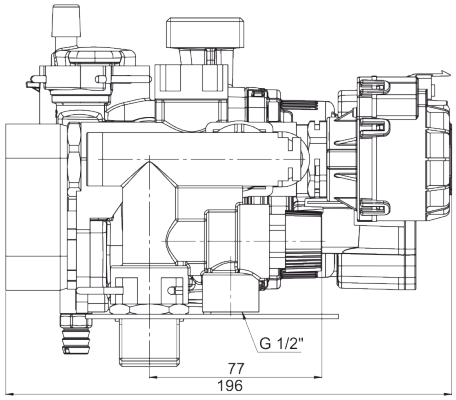


1. DHW Filter
2. Flow Regulator
3. Flow Sensor
4. NTC Sensor Connection
5. Filling Tap
6. Pressure Gauge Connection
7. Circulation Pump
8. Expansion Vessel Conn.
9. 3 Way Valve Motor
10. 3 Way Valve
11. Automatic Bypass
12. Safety Valve
13. Pressure Switch Sensor Connection
14. Plate Heat Exchanger

A Heating Delivery CH
B Sanitary Water Outlet DW
C Sanitary Water Inlet DW
D Heating Return CH

/





/