Алматы (7273)495-231 Ангарск (3955)60-70-56 Архангельск (8182)63-90-72 Астрахань (8512)99-46-04 Барнаул (3852)73-04-60 Белгород (4722)40-23-64 Благовещенск (4162)22-76-07 Брянск (4832)59-03-52 Владивосток (423)249-28-31 Владикавказ (8672)28-90-48 Владимир (4922)49-43-18 Волгоград (844)278-03-48 Вологда (8172)26-41-59 Воронеж (473)204-51-73 Екатеринбург (343)384-55-89

Иваново (4932)77-34-06 Ижевск (3412)26-03-58 Иркутск (395)279-98-46 Казань (843)206-01-48 Калининград (4012)72-03-81 Калуга (4842)92-23-67 Кемерово (3842)65-04-62 Киров (8332)68-02-04 Коломна (4966)23-41-49 Кострома (4942)77-07-48 Краснодар (861)203-40-90 Краснодар (861)203-40-90 Красноярск (391)204-63-61 Курск (4712)77-13-04 Курган (3522)50-90-47 Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13 Москва (495)268-04-70 Мурманск (8152)59-64-93 Набережные Челны (8552)20-53-41 Нижний Новгород (831)429-08-12 Новокузнецк (3843)20-46-81 Ноябрьск (3496)41-32-12 Новосибирск (383)227-86-73 Омск (3812)21-46-40 Орел (4862)44-53-42 Оренбург (3532)37-68-04 Пенза (8412)22-31-16

Рязань (4912)46-61-64 Самара (846)206-03-16 Санкт-Петербург (812)309-46-40 Саратов (845)249-38-78 Севастополь (8692)22-31-93 Саранск (8342)22-96-24 Симферополь (3652)67-13-56 Смоленск (4812)29-41-54 Сочи (862)225-72-31 Ставрополь (8652)20-65-13 Сургут (3462)77-98-35 Сыктывкар (8212)25-95-17 Тамбов (4752)50-40-97 Тверь (4822)63-31-35

Ростов-на-Дону (863)308-18-15

Тольятти (8482)63-91-07 Гомск (3822)98-41-53 Гула (4872)33-79-87 юмень (3452)66-21-18 /льяновск (8422)24-23-59 <mark>Улан-Удэ</mark> (3012)59-97-51 Уфа (347)229-48-12 Хабаровск (4212)92-98-04 Чебоксары (8352)28-53-07 Челябинск (351)202-03-61 Череповец (8202)49-02-64 Чита (3022)38-34-83 Якутск (4112)23-90-97 Ярославль (4852)69-52-93

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Казахстан +7(7172)727-132

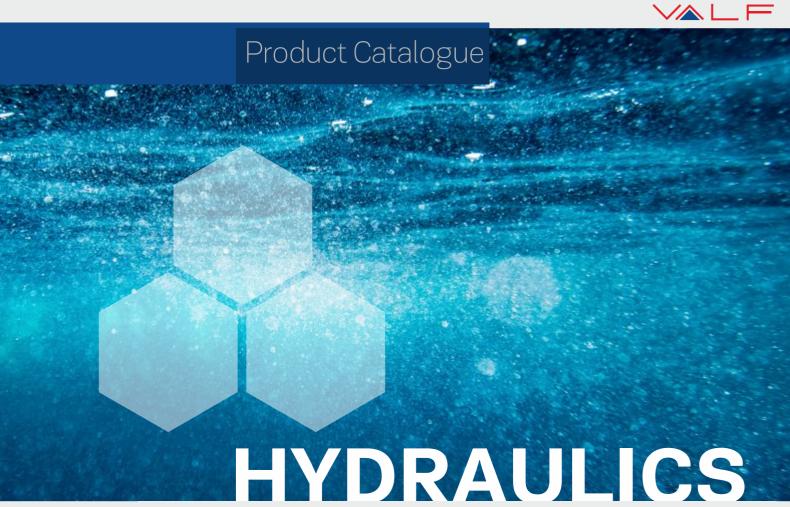
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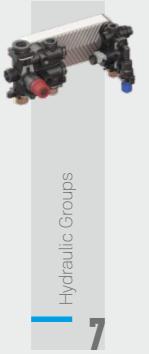
Киргизия +996(312)96-26-47

https://pakkens.nt-rt.ru/ || psi@nt-rt.ru

Пермь (342)205-81-47













For over 45 years, PAKKENS has been a leading company in the design and manufacturing of all kinds of pressure and temperature measurement instruments, HVAC and sanitary products, hydraulic groups and customer specific precision machined parts.

With 450 highly qualified employees at two fully integrated manufacturing facilities, PAKKENS has been serving major OEMs and end users in gas

distribution, petro-chemicals, pharmaceuticals, medical, food processing, heating, machine building, hydraulics, agriculture, construction, automotive, defence and aerospace industries.

In addition to continuously strengthening its presence in the existing business lines, Pakkens continues to invest in the design and manufacturing of high value added and innovative products within the framework of its strategic growth and sustainability plans.

PAKKENS VALVES

PAKKENS designs and manufactures hydraulic

groups and a complete portfolio of hydraulic accessories for well known boiler manufacturers and other customers

As of today, PAKKENS Valves offers a wide range of plastic and brass hydraulic groups, that would fit in virtually all boiler platforms whether it is combi, CH only or storage type.

PAKKENS Valves had dedicated most of its resources to become a global solution partner

posign and manufacture of hydraulic groups

for the design and manufacture of hydraulic groups and related accessories, and became a fully integrated company able to realize all processes from conceptual design to series production in-house.

PAKKENS Valves is a customer oriented company that can offer tailor made solutions even for annual quantities as low as 1.000 sets per year, and performs all design, production and tooling studies to get a product that fulfills your requirements, completely free of charge.

PAKKENS INSTRUMENTS

PAKKENS is also a well known manufacturer of pressure and temperature instruments for over 45 years.

Our instrumentation product portfolio covers all kinds of gauges and related accessories such as General Purpose and Accurate Pressure Gauges, Pressure Transmitters, Diaphragm Seals, Diaphragm Seal Systems, Differential Pressure Gauges, Contact Type Pressure Gauges, Pressure Gauges with Output Signal, Bi-Metal and Gas Actuated Temperature Gauges, Combined Gauges, Valves and Manifolds,

Where Pressure Matters...™

Thermowells, Instrumentation Accessories, Calibration Services, etc.

PAKKENS Instruments offers more than 15.000 standard and custom products, and is the market leader -almost a monopoly- in Turkey.

As of today, the company has the first and most advanced certified instrumentation calibration laboratory in Turkey, and has very well structured design & development, quality, manufacturing, planning and logistics processes and systems to guarantee world class products with optimal prices.



2	ABOUT
5	MAIN FEATURES
6	PRODUCT SELECTION MATRIX
7	COMBI MONOTHERMIC
35	COMBI BITHERMIC
39	STORAGE TYPE
43	HEATING ONLY
45	HYDRAULIC ACCESSORIES
53	VALVE SETS







MAIN FEATURES OF HYDRAULIC GROUPS

- Brass or composite hydraulic groups that fit in virtually all boiler platforms
- PAKKENS 3 way valve cartridge for on-off type or step motor applications
- Turbine type flow meter with hall effect sensor
- Filter on DW circuit
- Brass or plastic safety valve (3 bar, ½")
- Manual or automatic filling tap
- Internal or external by-pass function
- Flow regulator
- Back flow preventer (EN1717 Type EA. Valid for applicable models)

Customer connections for:

- Pressure sensor or switch
- NTC sensor
- Circulation pump
- Plate heat exchanger
- Pressure gauge
- Pressure vessel
- Safety valve
- Hydraulic groups are compatible with all circulation pump brands
- All hydraulic groups are compatible with on-off type or step motor applications
- Hydraulic groups are tested 100% for leakage and functionality prior to shipment
- All components are WRAS certified



Hydraulic Groups

Selection Matrix

Model Nr.	Г		Brass body	Composite body	Pressure relief	Filling tap	DHW filter	Flow regulator	Flow sensor	Pressure port - 1	Pressure port - 2	NTC sensor	3 Way valve	Back flow	Temperature sensor
Model Nr			body	body	valve	тар	IIIIGI	regulator	2011201	for pressure	for pressure		Compatible	preventer	connection
HB-102 V	M	lodel Nr.								switch	switch		or		
HB-103		HB-101	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-
HB-104 V - V V V V V V V - V V		HB-102	✓	-	✓	\checkmark	✓	✓	✓	✓	_	✓	✓	_	-
HB-105 V		HB-103	-	✓	✓	\checkmark	✓	\checkmark	✓	✓	✓	\checkmark	✓	_	-
HB-106 V		HB-104	✓	-	\checkmark	\checkmark	✓	\checkmark	✓	✓	_	\checkmark	✓	_	-
HB-107 V - V V V V V V V V		HB-105	\checkmark	-	✓	\checkmark	✓	\checkmark	✓	✓	_	\checkmark	✓	_	-
HB-108		HB-106	\checkmark	_	✓	\checkmark	✓	\checkmark	✓	✓	_	\checkmark	✓	✓	-
HB-109 V		HB-107	\checkmark	-	✓	\checkmark	✓	\checkmark	✓	✓	-	\checkmark	✓	_	-
HB-110		HB-108	\checkmark	-	\checkmark	\checkmark	✓	\checkmark	✓	✓	✓	\checkmark	✓	_	-
HB-111		HB-109	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	_	-
HB-112		HB-110	-	✓	✓	\checkmark	✓	✓	✓	✓	✓	✓	✓	_	-
HB-112	Σ	HB-111	-	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	_	-
HB-114	ਹ	HB-112	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	_	-
HB-115 √ - √ √ √ √ √ √ √ √ - </td <td></td> <td>HB-113</td> <td>✓</td> <td>-</td> <td>✓</td> <td>-</td>		HB-113	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
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HB-117 √ - √ ✓ </td <td></td> <td>HB-115</td> <td>✓</td> <td>-</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>_</td> <td>-</td>		HB-115	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	_	-
HB-118		HB-116	✓	-	✓	✓	✓	✓	✓	✓	_	-	✓	_	-
HB-119		HB-117	✓	-	✓	✓	✓	✓	✓	✓	_	-	✓	_	✓
HB-120		HB-118	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	_	-
HB-121		HB-119	✓	-	✓	-	✓	✓	✓	-	_	-	✓	_	-
HB-122		HB-120	✓	-	✓	✓	✓	✓	✓	✓	_	-	✓	_	✓
HB-123 _		HB-121	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	_	✓
HB-124		HB-122	✓	-	✓	✓	✓	✓	✓	✓	√	✓	✓	_	-
HB-125		HB-123	-	✓	✓	✓	✓	✓	✓	√	✓	✓	✓	✓	-
HB-126		HB-124	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
HB-127		HB-125	✓	-	✓	✓	✓	_	✓	✓	✓	_	✓	_	-
HB-201		HB-126	√	-	_	✓	✓	✓	✓	_	_	✓	✓	_	-
B HB-202		HB-127	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-
HB-203		HB-201	✓	-	✓	✓	✓	✓	✓	✓	✓	-	-	-	-
HB-301	CB	HB-202	✓	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-
HB-302		HB-203	✓	-	✓	✓	✓	✓	✓	✓	✓	_	-	-	-
HB-302	E	HB-301	√	-	✓	-	-	-	-	✓	√	-	✓	-	-
	S	HB-302	✓	-	✓	✓	-	-	-	✓	_	_	✓	-	-
∃ HB-401 ✓ - ✓ - <t< td=""><td>끙</td><td>HB-401</td><td>√</td><td>-</td><td>✓</td><td>✓</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></t<>	끙	HB-401	√	-	✓	✓	-	-	-	-	-	-	-	-	-

CM Combi Monothermic

CB Combi Bithermic

ST Storage Type

CH Heating Only





COMBI MONOTHERMIC





Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

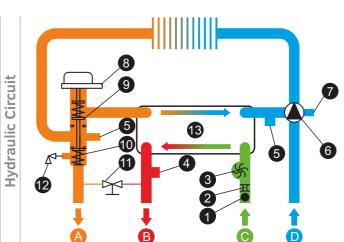
By-Pass:

Through PHE

Pressure Relief Valve:

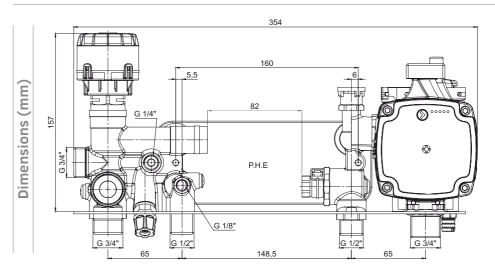
3 bar

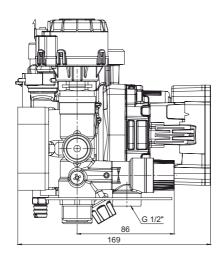
Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 6 Circulation Pump
- 7 Expansion Vessel Connection

- 8 3 Way Valve Motor
- 9 Automatic Bypass
- 10 3 Way Valve
- filling Tap
- 12 Safety Valve
- 13 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm



Combi Monothermic / Brass / Side Pump Connection



Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

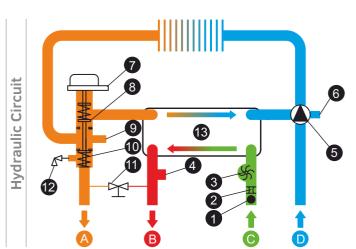
By-Pass:

Through PHE

Pressure Relief Valve:

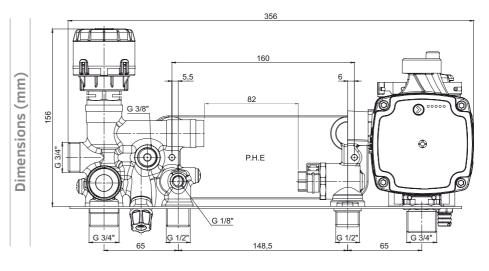
3 bar

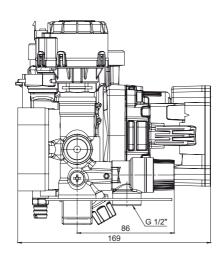
Pump Connection:



- 1 DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Circulation Pump
- 6 Expansion Vessel Connection
- 7 3 Way Valve Motor

- 8 Automatic Bypass
- 9 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 10 3 Way Valve
- 11 Filling Tap
- 12 Safety Valve
- 13 Plate Heat Exchanger
- A Heating Delivery CH
- B Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm



Combi Monothermic / Composite / Side Pump Connection



Technical Features

Material:

Plastic (PA66 GF30) + Brass (CuZn40Pb2)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

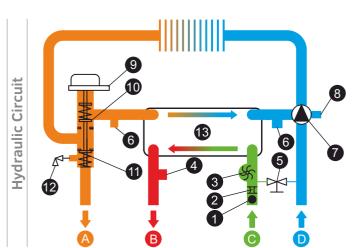
By-Pass:

Through PHE

Pressure Relief Valve:

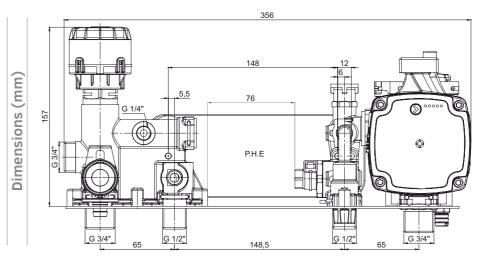
3 bar

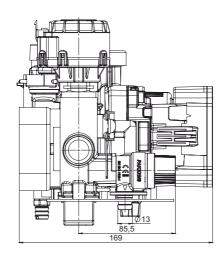
Pump Connection:



- 1 DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Filling Tap
- 6 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 7 Circulation Pump

- 8 Expansion Vessel Conn.
- 9 3 Way Valve Motor
- 10 Automatic Bypass
- 11 3 Way Valve
- 12 Safety Valve
- 13 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm



Combi Monothermic / Brass / Side Pump Connection



Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

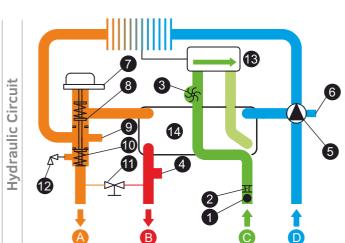
By-Pass:

Through PHE

Pressure Relief Valve:

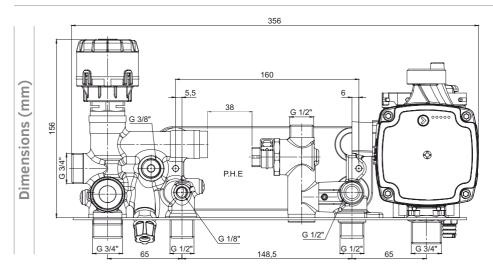
3 bar

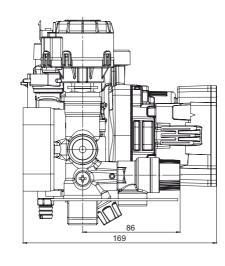
Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Circulation Pump
- 6 Expansion Vessel Connection
- 3 Way Valve Motor

- 8 Automatic Bypass
- 9 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 10 3 Way Valve
- 11 Filling Tap
- 12 Safety Valve
- 13 Condensing Boiler
- Plate Heat Exchanger
- A Heating Delivery CH
- B Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm





Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

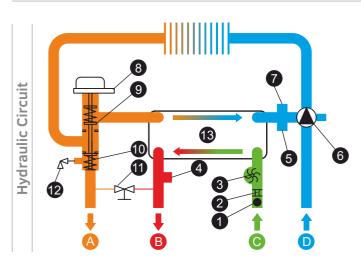
By-Pass:

Through PHE

Pressure Relief Valve:

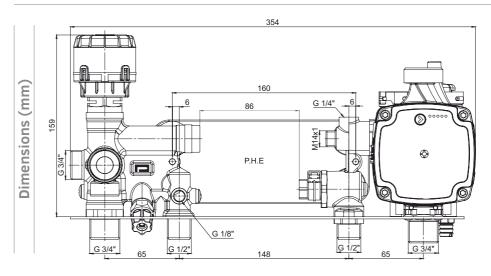
3 bar

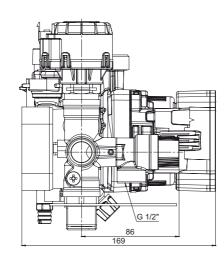
Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 6 Circulation Pump
- 7 Expansion Vessel Connection

- 8 3 Way Valve Motor
- 9 Automatic Bypass
- 10 3 Way Valve
- filling Tap
- 12 Safety Valve
- 13 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm



Combi Monothermic / Brass / Side Pump Connection



Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

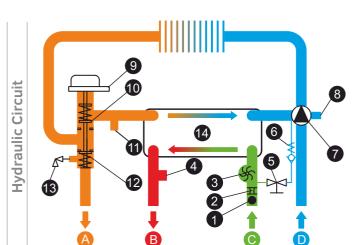
By-Pass:

Through PHE

Pressure Relief Valve:

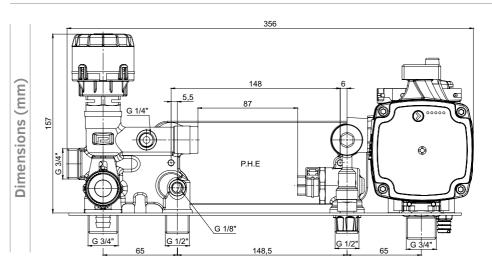
3 bar (Brass or Plastic)

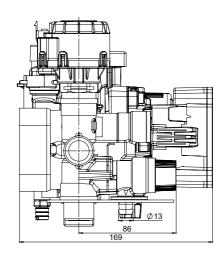
Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Filling Tap
- 6 Back Flow Preventer (EN1717 Type EA)
- Circulation Pump

- 8 Expansion Vessel Conn.
- 9 3 Way Valve Motor
- 10 Automatic Bypass
- Pressure Port
 (for Pressure Gauge/Sensor/Switch)
- 12 3 Way Valve
- 13 Safety Valve
- Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm





Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

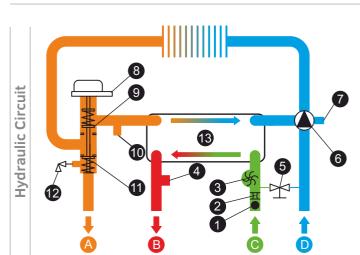
By-Pass:

Through PHE

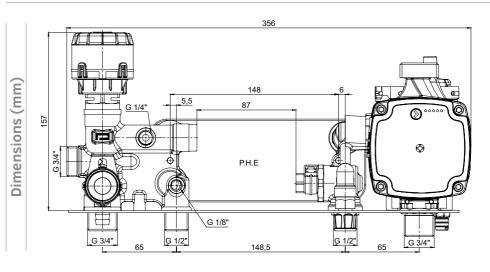
Pressure Relief Valve:

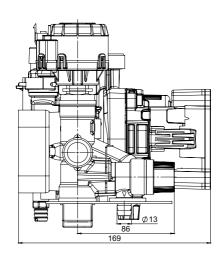
3 bar (Brass or Plastic)

Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Filling Tap
- 6 Circulation Pump
- 7 Expansion Vessel Connection
- 8 3 Way Valve Motor
- 9 Automatic Bypass
- Pressure Port (for Pressure Gauge/Sensor/Switch)
- 11 3 Way Valve
- Safety Valve
- 13 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm



Combi Monothermic / Brass / Side Pump Connection



Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

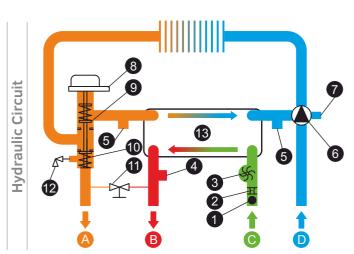
By-Pass:

Through PHE

Pressure Relief Valve:

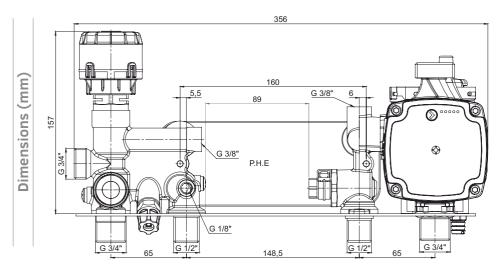
3 bar

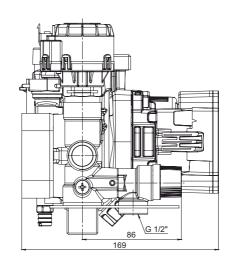
Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 6 Circulation Pump
- 7 Expansion Vessel Connection

- 8 3 Way Valve Motor
- 9 Automatic Bypass
- 10 3 Way Valve
- filling Tap
- 12 Safety Valve
- 13 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm







Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

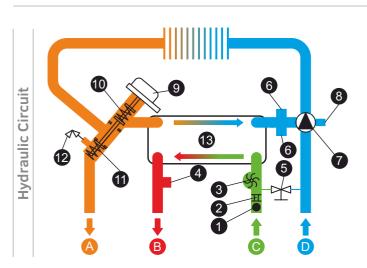
By-Pass:

Through PHE

Pressure Relief Valve:

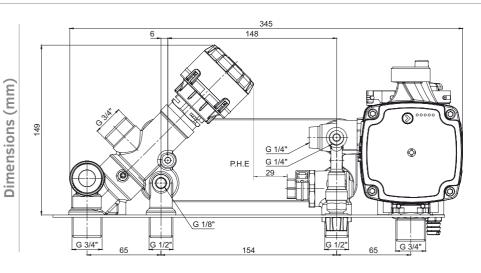
3 bar

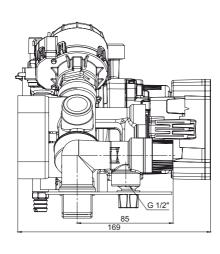
Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Filling Tap
- 6 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 7 Circulation Pump

- 8 Expansion Vessel Conn.
- 9 3 Way Valve Motor
- 10 Automatic Bypass
- 11 3 Way Valve
- 12 Safety Valve
- 13 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm



Combi Monothermic / Composite / Side Pump Connection



Technical Features

Material:

Plastic (PA66 GF30) + Brass (CuZn40Pb2)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

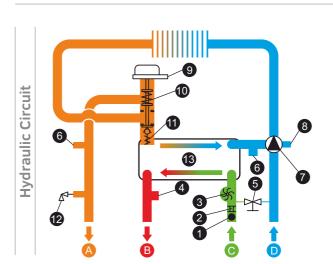
By-Pass:

Through PHE

Pressure Relief Valve:

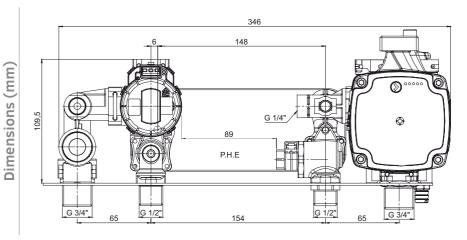
3 bar

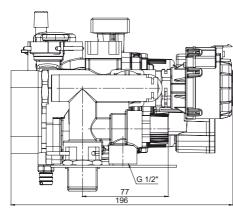
Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Filling Tap
- 6 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 7 Circulation Pump

- 8 Expansion Vessel Conn.
- 9 3 Way Valve Motor
- 10 3 Way Valve
- 11 Automatic Bypass
- 12 Safety Valve
- 13 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm

Combi Monothermic / Composite / Side Pump Connection



Technical Features

Material:

Plastic (PA66 GF30) + Brass (CuZn40Pb2)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

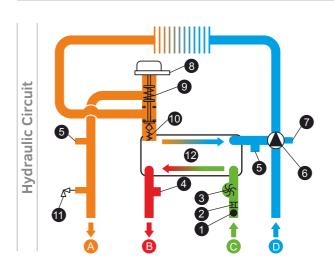
By-Pass:

Through PHE

Pressure Relief Valve:

3 bar

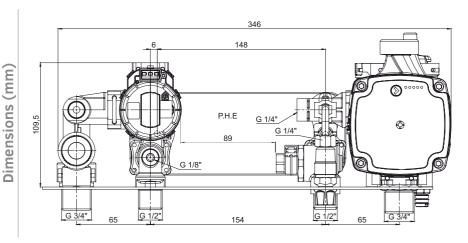
Pump Connection:

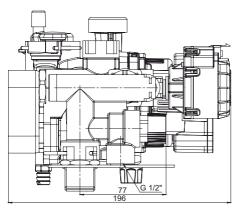


- 1 DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 6 Circulation Pump
- 7 Expansion Vessel Connection

- 8 3 Way Valve Motor
- 9 3 Way Valve
- 10 Automatic Bypass
- 11 Safety Valve
- 12 Plate Heat Exchanger

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





^{*} Dimensions valid for a PHE width of 190mm



Combi Monothermic / Brass / Side Pump Connection



Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

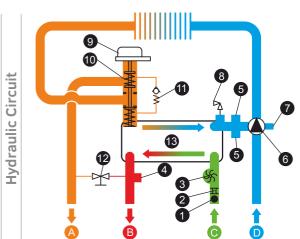
By-Pass:

Through PHE

Pressure Relief Valve:

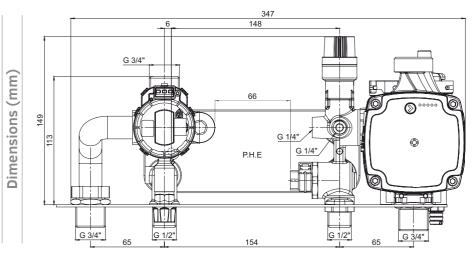
3 bar

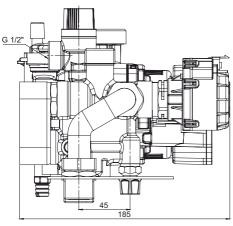
Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 6 Circulation Pump
- 7 Expansion Vessel Connection

- 8 Safety Valve
- 9 3 Way Valve Motor
- 10 3 Way Valve
- 11 Automatic Bypass
- 12 Filling Tap
- 13 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm





Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

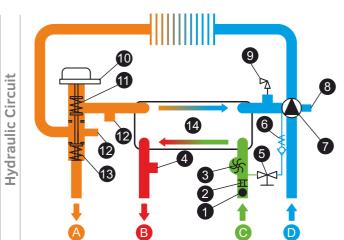
By-Pass:

Through PHE

Pressure Relief Valve:

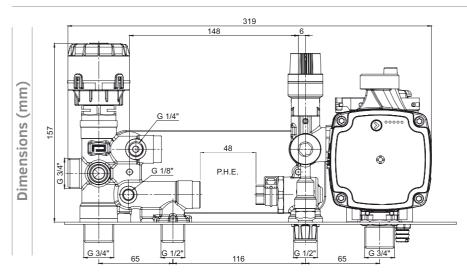
3 bar

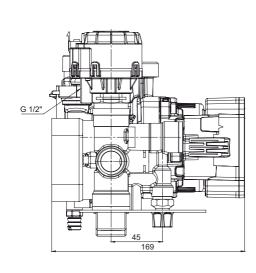
Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Filling Tap
- 6 Back Flow Preventer (EN1717 Type EA)
- Circulation Pump
- 8 Expansion Vessel Connection

- 9 Safety Valve
- 10 3 Way Valve Motor
- 11 3 Way Valve
- Pressure Port (for Pressure Gauge/Sensor/Switch)
- 13 Automatic Bypass
- 14 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm



Combi Monothermic / Brass / Side Pump Connection



Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

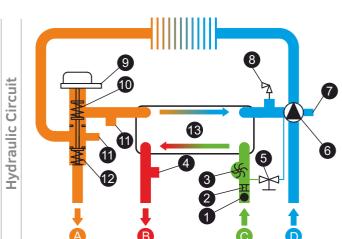
By-Pass:

Through PHE

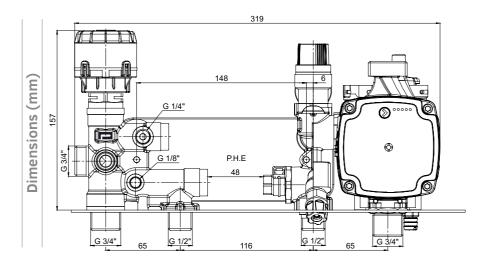
Pressure Relief Valve:

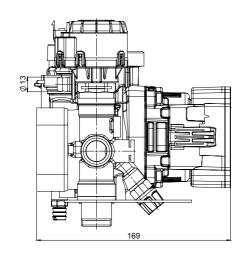
3 bar (Brass or Plastic)

Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Filling Tap
- 6 Circulation Pump
- Expansion Vessel Connection
- 8 Safety Valve
- 9 3 Way Valve Motor
- 10 3 Way Valve
- Pressure Port (for Pressure Gauge/Sensor/Switch)
- 12 Automatic Bypass
- 13 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm



Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

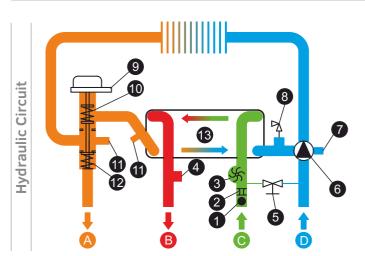
By-Pass:

Through PHE

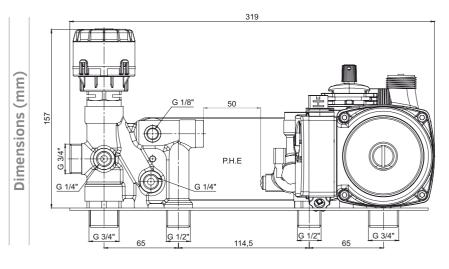
Pressure Relief Valve:

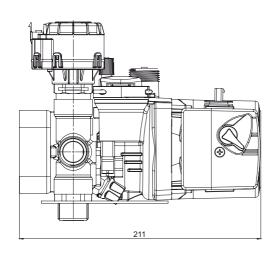
3 bar

Pump Connection:



- 1 DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Filling Tap
- 6 Circulation Pump
- Expansion Vessel Connection
- 8 Safety Valve
- 9 3 Way Valve Motor
- 10 Automatic Bypass
- Pressure Port (for Pressure Gauge/Sensor/Switch)
- 2 Way Valve
- 13 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm



Combi Monothermic / Brass / Front Pump Connection



Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

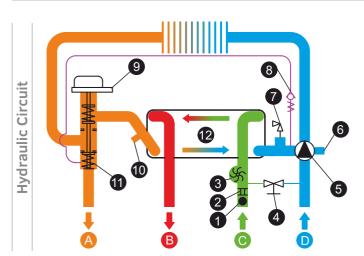
By-Pass:

External

Pressure Relief Valve:

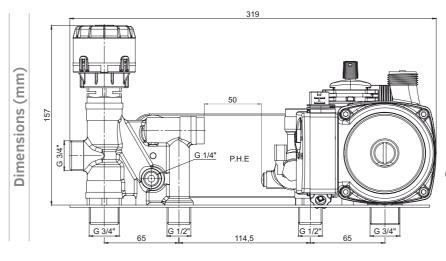
3 bar

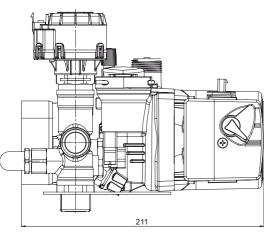
Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 Filling Tap
- 6 Circulation Pump
- 6 Expansion Vessel Connection
- Safety Valve

- 8 External Bypass
- 9 3 Way Valve Motor
- Pressure Port (for Pressure Gauge/Sensor/Switch)
- 11 3 Way Valve
- 12 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm





Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

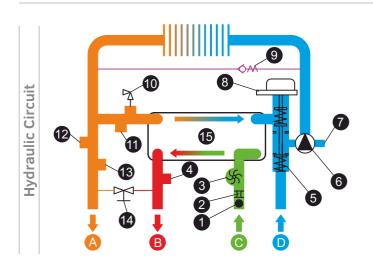
By-Pass:

External

Pressure Relief Valve:

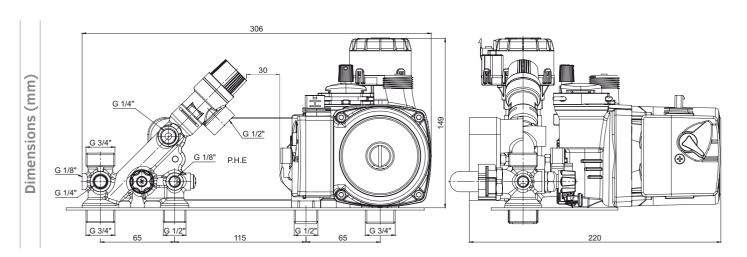
3 bar

Pump Connection:



- 1 DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 3 Way Valve
- 6 Circulation Pump
- Expansion Vessel Connection
- 8 3 Way Valve Motor

- 9 External Bypass
- 10 Safety Valve
- Pressure Port (for Pressure Gauge/Sensor/Switch)
- 12 Heating Temp. Sensor Con.
- 13 Drain Valve
- 14 Filling Tap
- 15 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH



^{*} Dimensions valid for a PHE width of 190mm



Combi Monothermic / Composite / Side Pump Connection



Technical Features

Material:

Plastic (PA66 GF30) + Brass (CuZn40Pb2)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

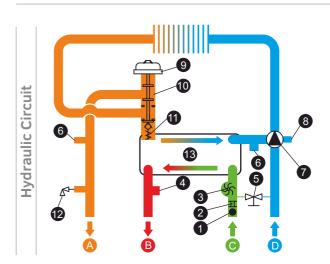
By-Pass:

Through PHE

Pressure Relief Valve:

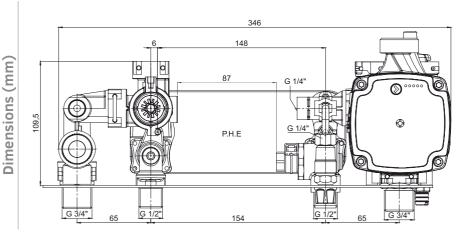
3 bar

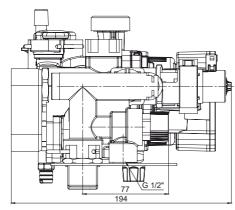
Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Filling Tap
- 6 Pressure Port (for Pressure Gauge/Sensor/Switch)
- Circulation Pump

- 8 Expansion Vessel Conn.
- 9 Stepper Motor
- 10 3 Way Valve
- 11 Automatic Bypass
- 12 Safety Valve
- 13 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm





Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

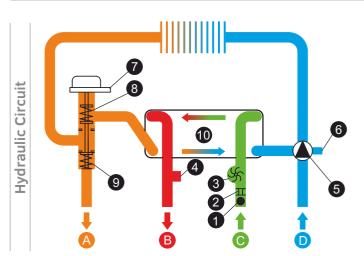
By-Pass:

Through PHE

Pressure Relief Valve:

3 bar

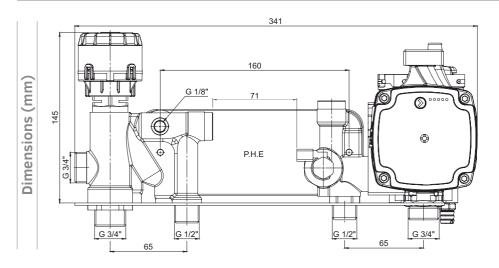
Pump Connection:

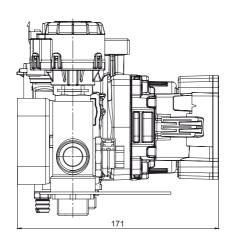


- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 6 Circulation Pump
- 6 Expansion Vessel Connection
- 7 3 Way Valve Motor

- 8 Automatic Bypass
- 9 3 Way Valve
- 10 Plate Heat Exchanger

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





^{*} Dimensions valid for a PHE width of 190mm



Combi Monothermic / Brass / Front Pump Connection



Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

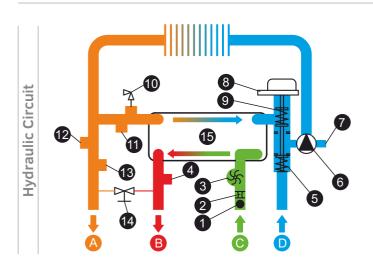
By-Pass:

Through PHE

Pressure Relief Valve:

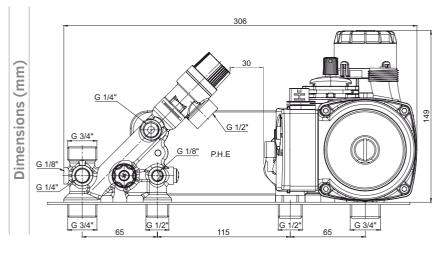
3 bar

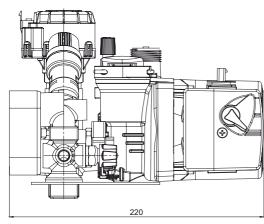
Pump Connection:



- 1 DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 3 Way Valve
- 6 Circulation Pump
- Expansion Vessel Connection
- 8 3 Way Valve Motor

- 9 Automatic Bypass
- 10 Safety Valve
 - Pressure Port (for Pressure Gauge/Sensor/Switch)
- 12 Heating Temp. Sensor Con.
- 13 Drain Valve
- 14 Filling Tap
- 15 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm





Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

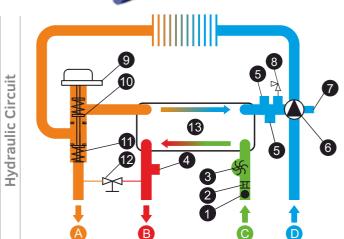
By-Pass:

Through PHE

Pressure Relief Valve:

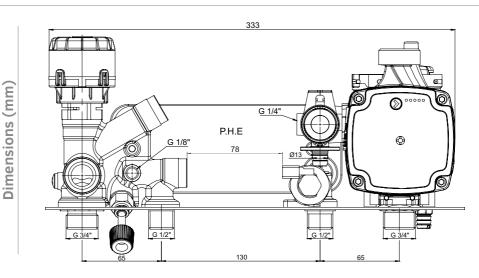
3 bar

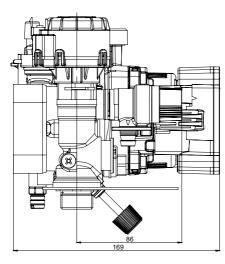
Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 6 Circulation Pump
- 7 Expansion Vessel Conn.

- 8 Safety Valve
- 9 3 Way Valve Motor
- 10 Automatic Bypass
- 11 3 Way Valve
- 12 Filling Tap
- 13 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm



Combi Monothermic / Brass / Side Pump Connection



Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

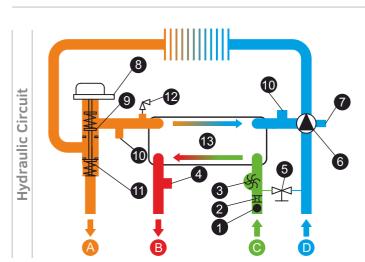
By-Pass:

Through PHE

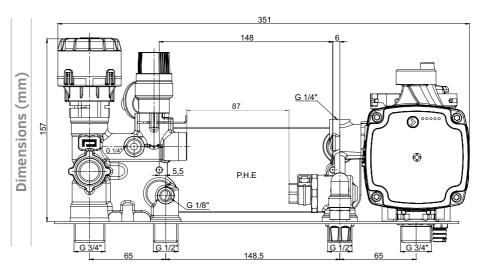
Pressure Relief Valve:

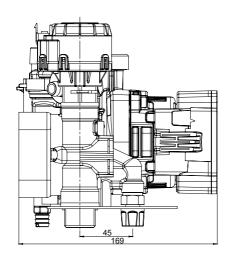
3 bar

Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Filling Tap
- 6 Circulation Pump
- Expansion Vessel Connection
- 8 3 Way Valve Motor
- 9 Automatic Bypass
- Pressure Port (for Pressure Gauge/Sensor/Switch)
- 11 3 Way Valve
- 12 Safety Valve
- 13 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm



Combi Monothermic / Composite / Side Pump Connection



Technical Features

Material:

Plastic (PA66 GF30) + Brass (CuZn40Pb2)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

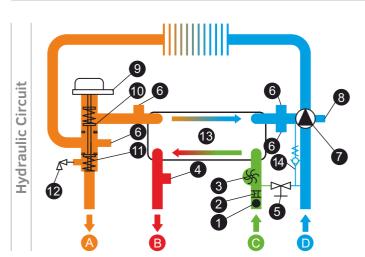
By-Pass:

Through PHE

Pressure Relief Valve:

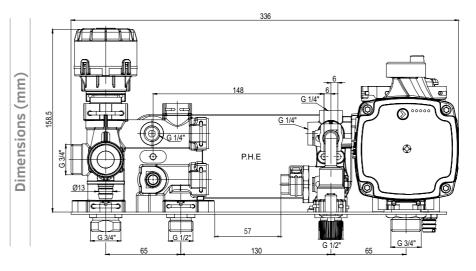
3 bar

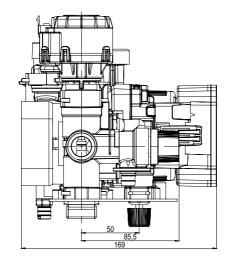
Pump Connection:



- 1 DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Filling Tap
- 6 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 7 Circulation Pump

- 8 Expansion Vessel Conn.
- 9 3 Way Valve Motor
- 10 Automatic Bypass
- 11 3 Way Valve
- 12 Safety Valve
- 13 Plate Heat Exchanger
- 14 Back Flow Preventer (EN1717 Type EA) Optional
- A Heating Delivery CH
- B Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm



Combi Monothermic / Composite / Side Pump Connection



Technical Features

Material:

Plastic (PA66 GF30) + Brass (CuZn40Pb2)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

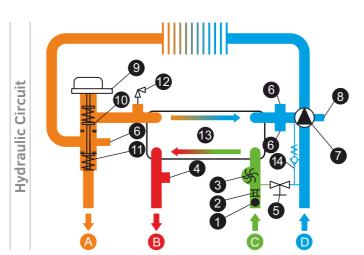
By-Pass:

Through PHE

Pressure Relief Valve:

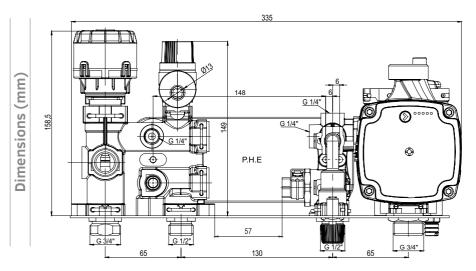
3 bar

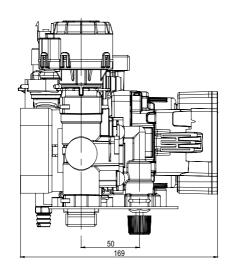
Pump Connection:



- 1 DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Filling Tap
- 6 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 7 Circulation Pump

- 8 Expansion Vessel Conn.
- 9 3 Way Valve Motor
- 10 Automatic Bypass
- 11 3 Way Valve
- 12 Safety Valve
- 13 Plate Heat Exchanger
- 14 Back Flow Preventer (EN1717 Type EA) Optional
- A Heating Delivery CH
- B Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm





Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

-

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

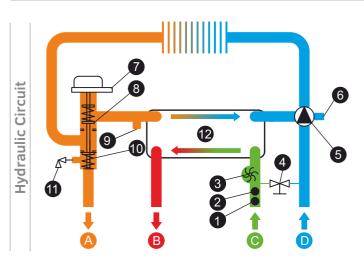
By-Pass:

Through PHE

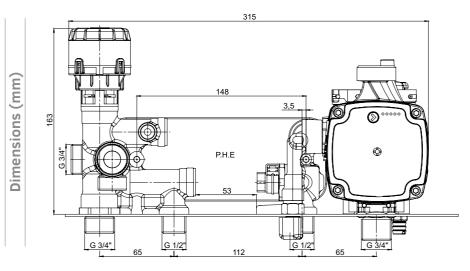
Pressure Relief Valve:

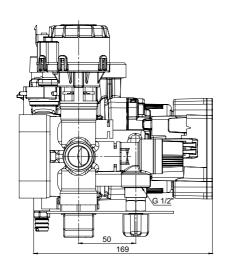
3 bar

Pump Connection:



- Plastic DHW Filter
- 2 Metal DHW Filter
- 3 Flow Sensor
- 4 Filling Tap
- 6 Circulation Pump
- 6 Expansion Vessel Conn.
- 3 Way Valve Motor
- 8 Automatic Bypass
- 9 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 10 3 Way Valve
- 11 Safety Valve
- 12 Plate Heat Exchanger
- A Heating Delivery CH
- B Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm



Combi Monothermic / Composite / Side Pump Connection



Technical Features

Material:

Plastic (PA66 GF30) + Brass (CuZn40Pb2)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

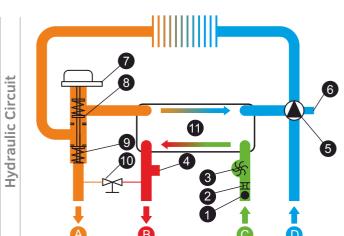
By-Pass:

Through PHE

Pressure Relief Valve:

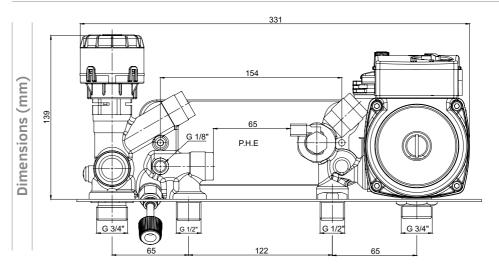
3 bar

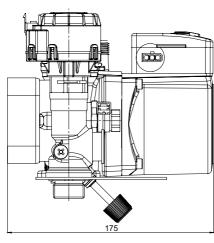
Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Circulation Pump
- 6 Expansion Vessel Conn.
- 7 3 Way Valve Motor
- 8 Automatic Bypass
- 9 3 Way Valve
- 10 Filling Tap
- 11 Plate Heat Exchanger

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





^{*} Dimensions valid for a PHE width of 190mm





Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

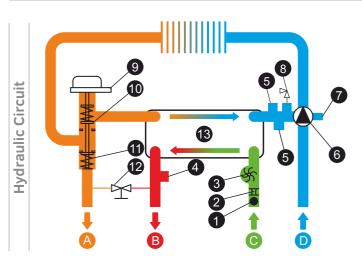
By-Pass:

Through PHE

Pressure Relief Valve:

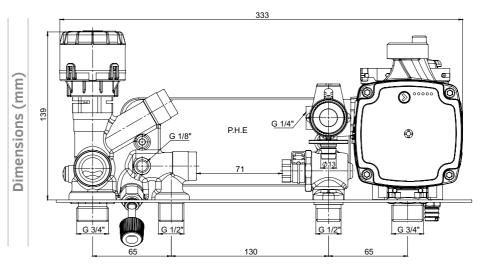
3 bar

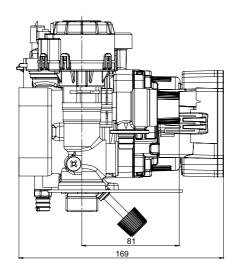
Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 NTC Sensor Connection
- 5 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 6 Circulation Pump
- 7 Expansion Vessel Conn.

- 8 Safety Valve
- 9 3 Way Valve Motor
- 10 Automatic Bypass
- 11 3 Way Valve
- 12 Filling Tap
- 13 Plate Heat Exchanger
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW
- C Sanitary Water Inlet DW
- D Heating Return CH





^{*} Dimensions valid for a PHE width of 190mm





COMBI BITHERMIC





Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

By-Pass:

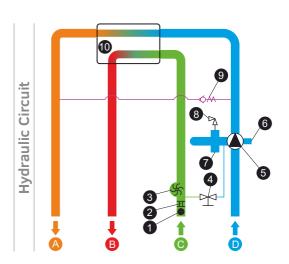
External

Pressure Relief Valve:

3 bar

Pump Connection:

Side

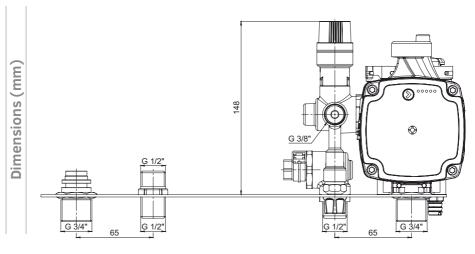


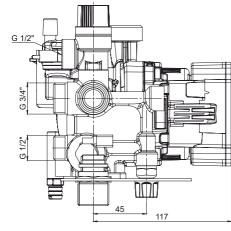
- 1 DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 Filling Tap
- 6 Circulation Pump
- 6 Expansion Vessel Connection
- Pressure Port (for Pressure Gauge/Sensor/Switch)
- C Sanitary Water Inlet DW
- A Heating Delivery CH B Sanitary Water Outlet DW
- Heating Return CH

8 Safety Valve

10 Main Exchanger

9 Bypass





HB-202



B

Combi Bithermic / Brass / Side Pump Connection



Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

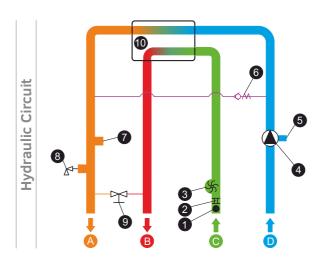
By-Pass:

External

Pressure Relief Valve:

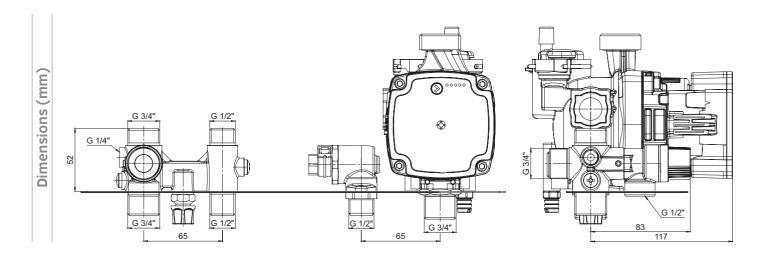
3 bar

Pump Connection:



- DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 Circulation Pump
- 5 Expansion Vessel Connection
- 6 Bypass
- 7 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 8 Safety Valve
- 9 Filling Tap
- 10 Main Exchanger

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





Combi Bithermic / Brass / Front Pump Connection



Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

6 to 22 (lt./min.)

Flow Detection:

Turbine Type Flowmeter with Hall Effect Sensor

By-Pass:

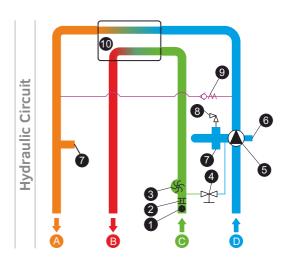
External

Pressure Relief Valve:

3 bar

Pump Connection:

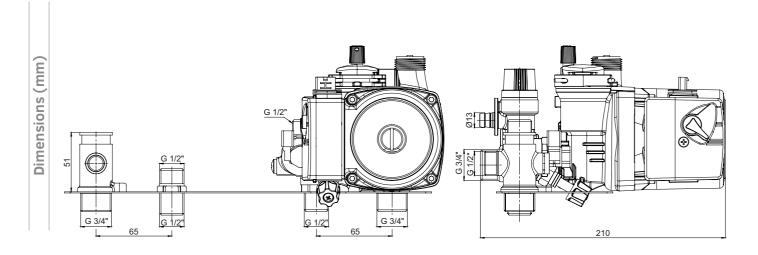
Front



- 1 DHW Filter
- 2 Flow Regulator
- 3 Flow Sensor
- 4 Filling Tap
- 6 Circulation Pump
- 6 Expansion Vessel Connection
- 7 Pressure Port (for Pressure Gauge/Sensor/Switch)
- A Heating Delivery CH
- **B** Sanitary Water Outlet DW

- 8 Safety Valve
- 9 Bypass
- 10 Main Exchanger

- C Sanitary Water Inlet DW
- D Heating Return CH



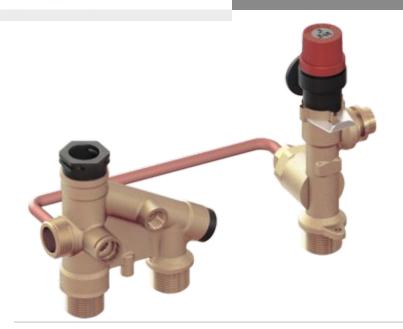




STORAGE TYPE



Storage Type / Brass / Side Pump Connection



Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

_

Flow Detection:

_

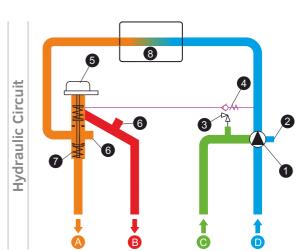
By-Pass:

External

Pressure Relief Valve:

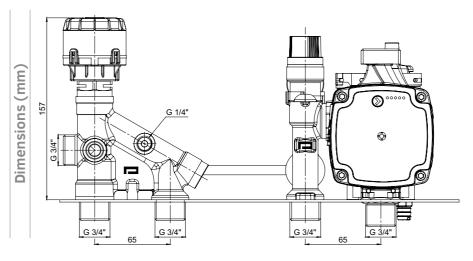
3 bar (Brass or Plastic)

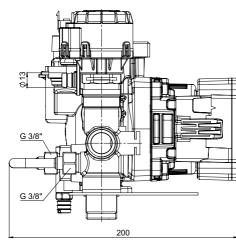
Pump Connection:



- 1 Circulation Pump
- 2 Expansion Vessel Connection
- 3 Safety Valve
- 4 Bypass
- 5 3 Way Valve Motor
- 6 Pressure Port (for Pressure Gauge/Sensor/Switch)
- 3 Way Valve
- 8 Main Exchanger

- A Heating Delivery CH
- B Storage Delivery
- © Storage Return
- D Heating Return CH





HB-302



Storage Type / Brass / Side Pump Connection



Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

-

Flow Detection:

_

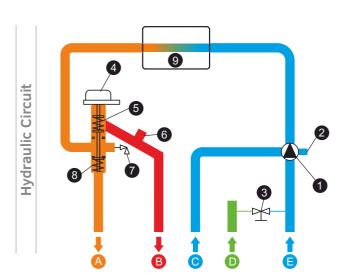
By-Pass:

-

Pressure Relief Valve:

3 bar

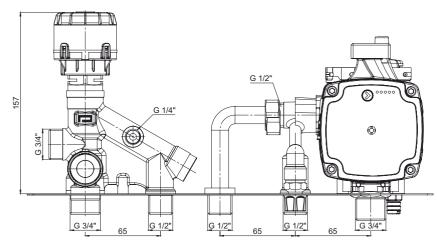
Pump Connection:

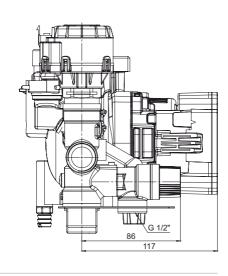


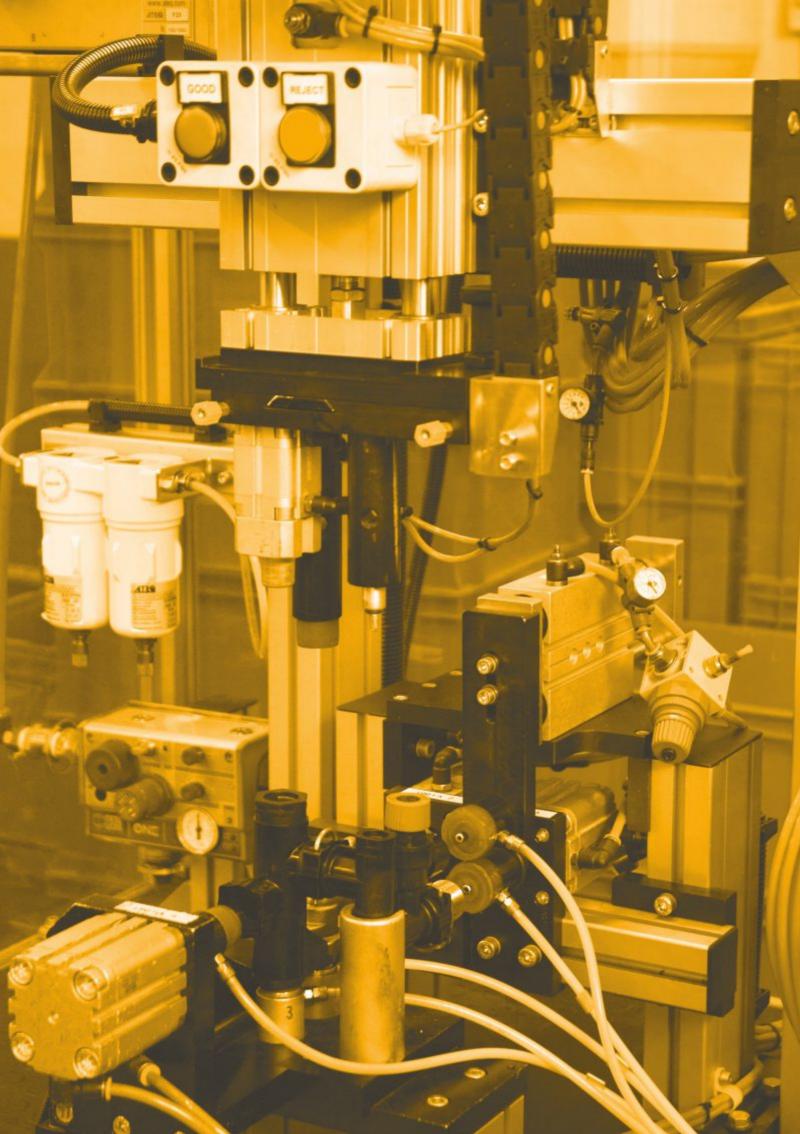
- 1 Circulation Pump
- 2 Expansion Vessel Connection
- 3 Filling Tap
- 4 3 Way Valve Motor
- 5 Automatic Bypass
- 6 Pressure Port (for Pressure Gauge/Sensor/Switch)
- Safety Valve
- A Heating Delivery CH
- **B** Storage Delivery
- C Storage Return

- 8 3 Way Valve
- Main Exchanger

- D Domestic Water Inlet
- **E** Heating Return CH











HEATING ONLY



Heating Only / Brass / Side Pump Connection



Technical Features

Material:

CuZn40Pb2 (CW617N)

Flow Regulator:

-

Flow Detection:

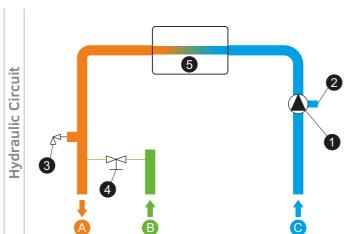
_

By-Pass:

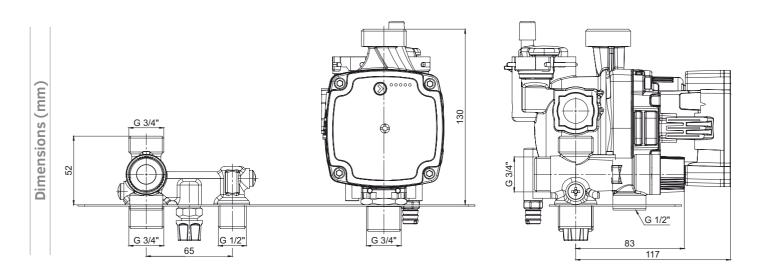
Pressure Relief Valve:

3 bar

Pump Connection:



- 1 Circulation Pump
- 2 Expansion Vessel Connection
- 3 Safety Valve
- 4 Filling Tap
- Main Exchanger
- A Heating Delivery CH
- **B** Domestic Water Inlet
- C Heating Return CH







HYDRAULIC ACCESSORIES



Radial Turbine Type with Hall Effect Sensor



Technical Features

Ambient Temperature: 2°C to 70°C

Water Temperature: 2°C to +70°C, peak 85°C

Water Pressure: 0 bar to 10 bar

Hydraulic Interfaces: G 1/2"

Flow Detection: Hall Effect Sensor

Pressure Drop @ 10 L/min: 184 mbar [Kv Factor ~1.4]

Working Position : Vertical / Horizontal

Power Supply: 12 VDC, 3÷6mA

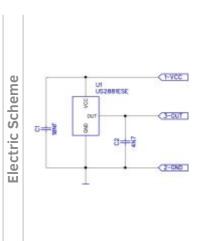
Electric Connections: Rast 2.5 (3 Way)

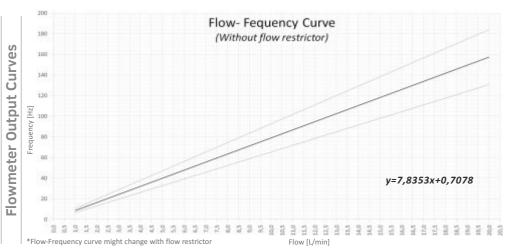
Approvals: WRAS Compliant

Others:

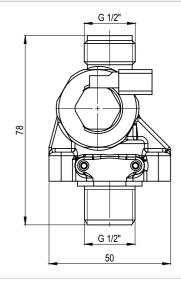
Flow Restrictor (6 to 22 I/min on request)

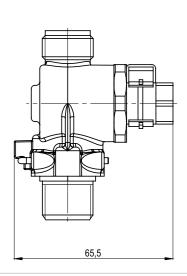
Integrated Plastic Filter as standard Optional: metallic filter











PRV-100 & 200 Series



Knob Type PRV with Brass or Plastic Body



Technical Features

Body Material:

PRV-100 : CuZn40Pb2 (CW617N) PRV-200 : Plastic (PA66 GF30)

Nominal Size: PRV-100: DN15 PRV-200: DN8

Pressure Class: PN10

Pressure Range: 2-6 bar

Sealing Material: EPDM

Approvals: EN4126-1 **(E**



PRV-101 Male Thread Type	PRV-102 Thread & Oring Type	PRV-103 Quick Connection Type	PRV-201 Quick Connection Type with Hose Connection	PRV-202 Quick Connection Type
or of or other states of the s	CAS DIST			
S. Lo S.	27 27 27 27	020 27 27 27 27 27 27 27 27 27 27 27 27 27	89 Ø20 34	88 Ø20 31



Flow Restrictor FR-100 Series



Technical Features

Material: POM & Peroxide EPDM

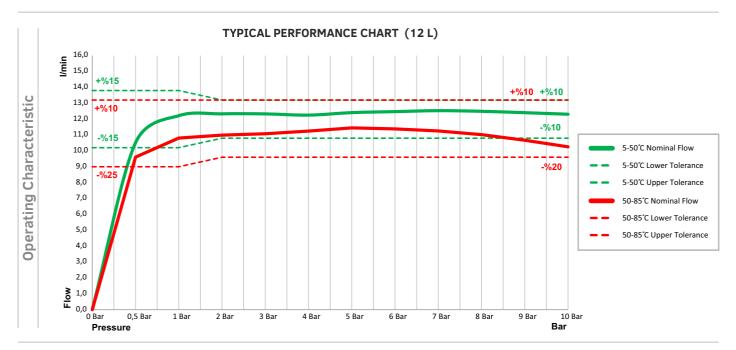
Operating Pressure: 0,5-10 bar

Max. Pressure: 15 bar

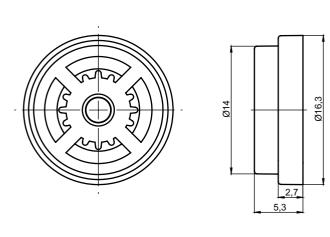
Operating Temperature: +2..85°C

Storage Temperature: -20..85°C

Approvals : ♦WRAS







Flow Rate	Colour	
6 l/min	Black	
7 l/min	Green	
8 l/min	White	
9 l/min	Orange	
10 l/min	Light Blue	
11 l/min	Yellow	
12 l/min	Red	
13 l/min	Olive	
14 l/min	Pink	
15 l/min	Lime	
16 l/min	Dark Blue	
17 l/min	Brown	
18 l/min	Grey	
19 l/min	Black	
22 l/min	Lilac	

Product Table

CV-100 Series





Technical Features

Body Material: POM

Sealing Material: Peroxide EPDM

Spring Material: SS 302

Pressure Range: 0,1-480 mbar

Max. Operating Temperature: 65°C

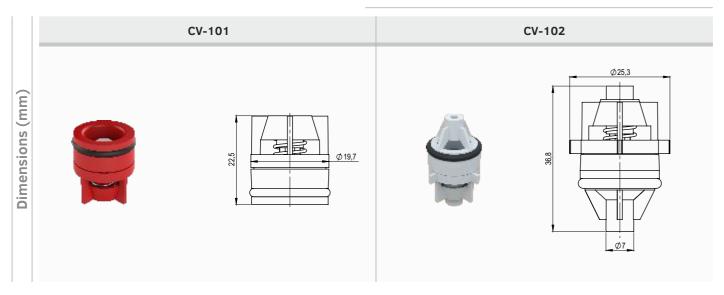
Peak Temperature: 1h at 95 °C

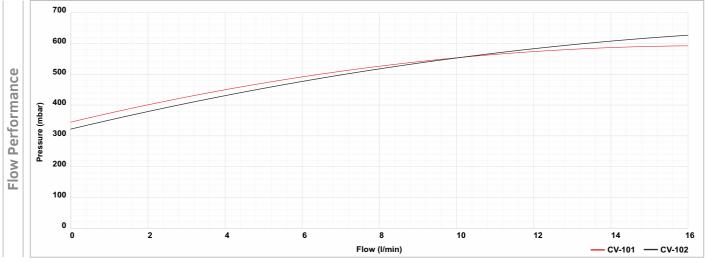
Applications:

Bypass

Back Flow Preventer (EN 1717 Type EA)

Approvals : **WRAS**









Technical Features

Body Material: PA66 GF30

Sealing Material: Peroxide EPDM

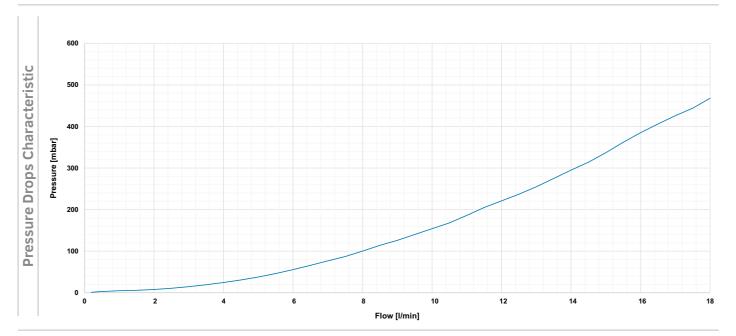
Operating Pressure: 2 bar

Max. Pressure: 5 bar

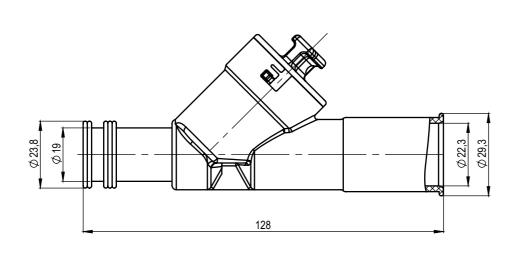
Operating Temperature: +2..85°C

Storage Temperature: -20..85°C

Approvals: **WRAS**







PG-100 Series





Technical Features

Body Material: Plastic (ABS)

Window Material: Plastic (PMMA)

Dial Material: Plastic (ABS)

Pointer Material: Plastic (ABS)

Capillary: PVC coated copper

Process Connection: Brass (CW617N)

Gauge Size: Ø40

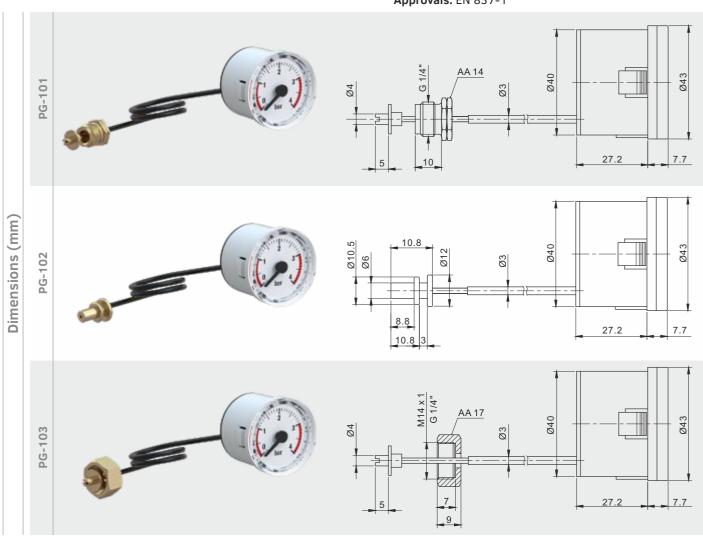
Measurement Ranges: 0/4....0/6....0/10 bar

Accuracy Class: Cl 2.5

Working Temperature Range: -20°C....60°C

Ingress Protection Rate: IP31

Approvals: EN 837-1





NTC-100 & 200 Series



Technical Features

Body Material: CW625N or Stainless Steel

Sealing Material : Peroxide EPDM

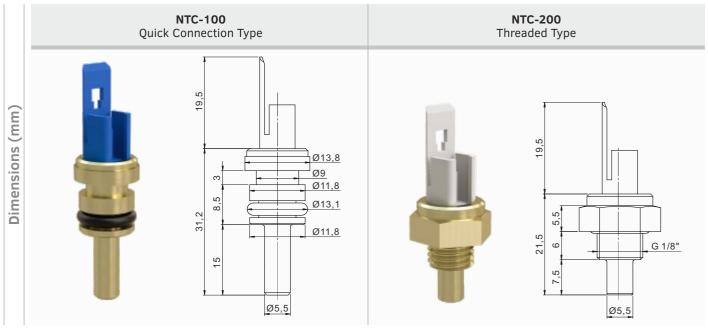
Temperature Range: -40...+125°C

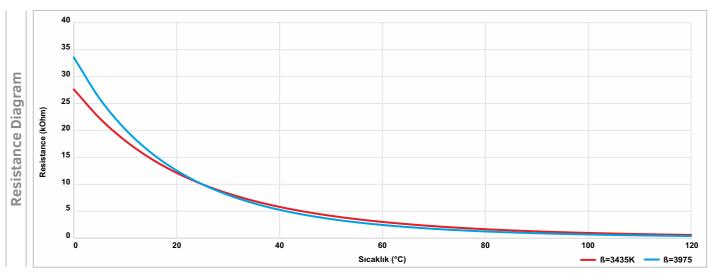
Ambient Temperature: -20...+70°C

2 Type of \beta Options: 3435 & 3975 $\pm 1\%$ K

Resistance at 25°C: 10kOHM ±1%

Approvals : ♦WRAS









VALVE SETS



Straight Valve Set / External Filling System Compatible



Technical Features

Material:

CuZn40Pb2 (CW617N)

Nominal Size:

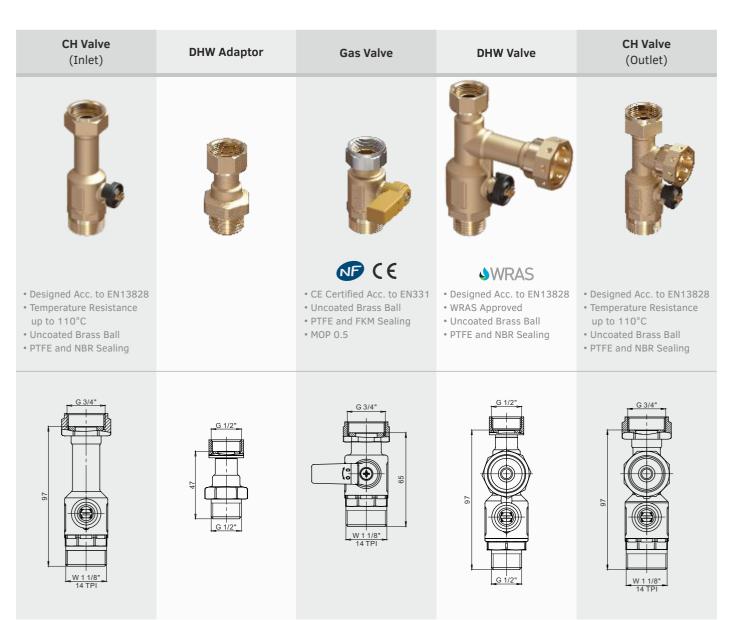
DN15

Connection Type:

Nut-Thread

Other:

External Filling System Compatible





Corner Valve Set / External Filling System Compatible



Technical Features

Material:

CuZn40Pb2 (CW617N)

Nominal Size:

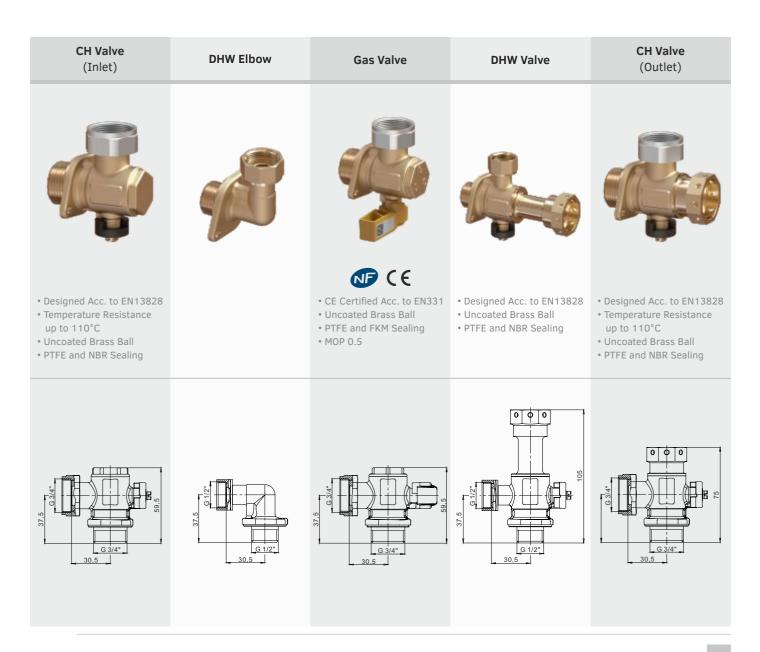
DN15

Connection Type:

Nut-Thread

Other:

External Filling System Compatible





Corner Valve Set



Technical Features

Material:

CuZn40Pb2 (CW617N)

Nominal Size:

DN15

Connection Type:

Nut-Thread

CH Valve (Inlet)	DHW Elbow	Gas Valve	DHW Valve	CH Valve (Outlet)
 Designed Acc. to EN13828 Temperature Resistance up to 110°C Uncoated Brass Ball PTFE and NBR Sealing 		• CE Certified Acc. to EN331 • Uncoated Brass Ball • PTFE and FKM Sealing • MOP 0.5	• Designed Acc. to EN13828 • WRAS Approved • Uncoated Brass Ball • PTFE and NBR Sealing	Designed Acc. to EN13828 Temperature Resistance up to 110°C Uncoated Brass Ball PTFE and NBR Sealing
30.5 3/4"	\$2/L 9/L 30.5	30,5	30.5 30.5	30.5 30.5

VS-104



Corner Valve Set / Nickel Coated



Technical Features

Material:

CuZn40Pb2 (CW617N)

Nominal Size:

DN15

Connection Type:

Nut-Thread

Other:

Nickel Coated

With CH Filter

CH Valve (Inlet)	DHW Elbow	Gas Valve	DHW Valve	CH Valve (Outlet)
 Designed Acc. to EN13828 Temperature Resistance up to 110°C Chrome Coated Brass Ball PTFE and NBR Sealing 		 Designed Acc. to EN331 Chrome Coated Brass Ball PTFE and FKM Sealing MOP 0.5 	Designed Acc. to EN13828 Chrome Coated Brass Ball PTFE and NBR Sealing	 Designed Acc. to EN13828 Temperature Resistance up to 110°C Chrome Coated Brass Ball PTFE and NBR Sealing
37,5	30 215	37.5 37.5	\$\frac{9}{9}\text{8}}	10 0 22 37 J





Алматы (7273)495-231 Ангарск (3955)60-70-56 Архангельск (8182)63-90-72 Астрахань (8512)99-46-04 Барнаул (3852)73-04-60 Белгород (4722)40-23-64 Благовещенск (4162)22-76-07 Брянск (4832)59-03-52 Владикавказ (8672)28-90-48 Владикавказ (8672)28-90-48 Владикарказ (8672)28-90-48 Волоград (844)278-03-48 Волоград (8472)26-41-59 Воронеж (473)204-51-73 Екатеринбург (343)384-55-89 Иваново (4932)77-34-06 Ижевск (3412)26-03-58 Иркутск (395)279-98-46 Казань (843)206-01-48 Калининград (4012)72-03-81 Камуга (4842)92-23-67 Кемерово (3842)65-04-62 Киров (8332)68-02-04 Коломна (4966)23-41-49 Кострома (4942)77-07-48 Краснодар (861)203-40-90 Красноярск (391)204-63-61 Курск (4712)77-13-04 Курган (3522)50-90-47 Липецк (4742)52-20-81 Магнитогорск (3519)55-03-13 Москва (495)268-04-70 Мурманск (8152)59-64-93 Набережные Челны (8552)20-53-41 Нижний Новгород (831)429-08-12 Ноябрьск (3496)41-32-12 Новосибирск (383)227-86-73 Омск (3812)21-46-40 Орел (4862)44-53-42 Оренбург (3532)37-68-04 Пенза (8412)22-31-16 Петрозаводск (8142)55-98-37 Псков (8112)59-10-37 Пермь (342)205-81-47 Ростов-на-Дону (863)308-18-15 Рязань (4912)46-61-64 Самара (846)206-03-16 Санкт-Петербург (812)309-46-40 Саратов (845)249-38-78 Севастополь (8692)22-31-93 Саранск (8342)22-96-24 Симферополь (3652)67-13-56 Смоленск (4812)29-41-54 Сочи (862)225-72-31 Ставрополь (3652)20-65-13 Сургут (3462)77-98-35 Сыктывкар (8212)25-95-17 Тамбов (4752)50-40-97 Тверь (4822)63-31-35 Тольятти (8482)63-91-07 Томск (3822)98-41-53 Тула (4872)33-79-87 Тюмень (3452)66-21-18 Ульяновск (8422)24-23-59 Улан-Удэ (3012)59-97-51 Уфа (347)229-48-12 Хабаровск (4212)92-98-04 Чебоксары (8352)28-53-07 Челябинск (351)202-03-61 Череповец (8202)49-02-64 Чита (3022)38-34-83 Якутск (4112)23-90-97 Ярославль (4852)69-52-93

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