



SYSTEM MIX-BOX for 2 or 3 heating circuits



Mounting and Operating Instructions



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Prepared versions of MIX-BOX

Set **MIX-BOX 1** - Set of 2 heating circuits including one with a mixing valve and a rotary electric actuator



Type	Cod.
Set MIX-BOX 1 with groups SA 83 i SMT 83 with pumps WILO Yonos Para RS 15/6 RKA	604102

The set contains:

1. Wall cabinet P2 (art. nr: 604003)
2. Zone manifold CX 2F (art. nr: 604012)
3. Group SA 83 MIX-BOX 20 (art. nr: 604062)
4. Group SMT 83 MIX-BOX 20 (art. nr: 604082)

Set **MIX-BOX 2** - Set of 2 heating circuits including one with thermostatic mixing valve



Type	Cod.
Set MIX-BOX 2 with Groups SA 83 i SMT 83 with pumps WILO Yonos Para RS 15/6 RKA	604104

The set contains:

1. Wall cabinet P2 (art. nr: 604003)
2. Zone manifold CX 2F (art. nr: 604012)
3. Group SA 83 MIX-BOX 20 (art. nr: 604062)
4. Group SMT 83 MIX-BOX 20 (art. nr: 604072)

Set **MIX-BOX 3** - Set of 2 heating circuits with a mixing valves and a rotary electric actuators



Type	Cod.
Set MIX-BOX 3 with 2 Groups SMT 83 with pumps WILO Yonos Para RS 15/6 RKA	604106

The set contains:

1. Wall cabinet P2 (art. nr: 604003)
2. Zone manifold CX 2F (art. nr: 604012)
3. Group SMT 83 MIX-BOX 20 (art. nr: 604082)
4. Group SMT 83 MIX-BOX 20 (art. nr: 604082)

Set **MIX-BOX 4** - Set of 2 heating circuits without a mixing valves



Typ	Nr artykułu
Set MIX-BOX 4 with 2 Groups SA 83 with pumps WILO Yonos Para RS 15/6 RKA	604108

The set contains:

1. Wall cabinet P2 (art. nr: 604003)
2. Zone manifold CX 2F (art. nr: 604012)
3. Group SA 83 MIX-BOX 20 (art. nr: 604062)
4. Group SA 83 MIX-BOX 20 (art. nr: 604062)

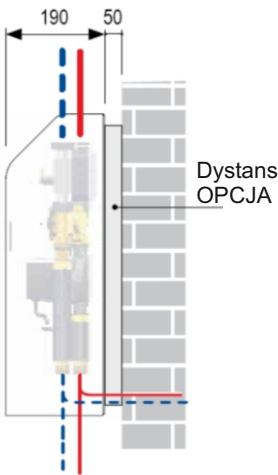
System MIX-BOX



The MIX-BOX is a complete distribution system of heating circuits in the installation with hanging boiler, both standard and condensing. It can handle up to three heating circuits. The heating circuits may be pumping or mixing and pumping with rotary mixing valve or thermostatic. Pump group are equipped with pump Wilo-type Yonos Para (electronic). the housing for MIX-BOX system is made in the wall version.

Specification:	
Zone manifold:	steel
Pump groups material:	brass Ms 58
Isolation:	EPP black40 g/l
Max temp.:	110°C
Max. work pressure:	6 bar
Supply voltage pumps:	230 VAC, 50 Hz
Working range temperature for thermostatic mixing valve:	20°C - 43°C.

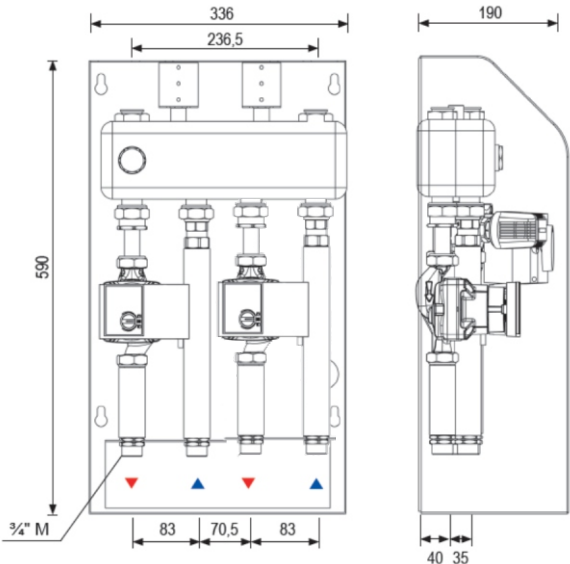
Cabinet mounting for the system MIX-BOX - wall-mounted version P



Galvanized plate material. Closing cabinet powder painted - white RAL 9010.
The dimensions of the cabinet P2 for 2 heating circuits: 590x353x193 (width / height / depth).
The dimensions of the cabinet P3 for 3 heating circuits: 590x490x193 (width / height / depth).

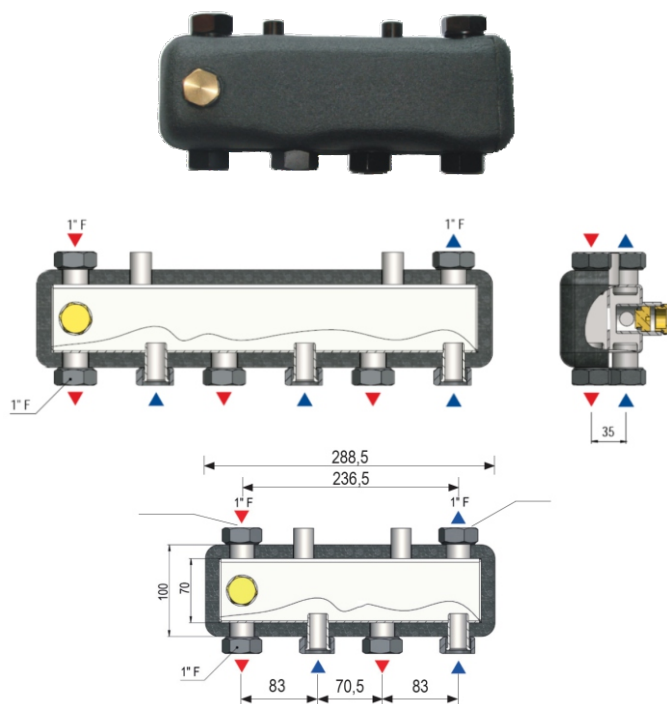
Type	Cod.
Wall-mounted cabinet P2 for 2 heating circuits	604003
Wall-mounted cabinet P3 for 3 heating circuits	604002

Dimensional diagram



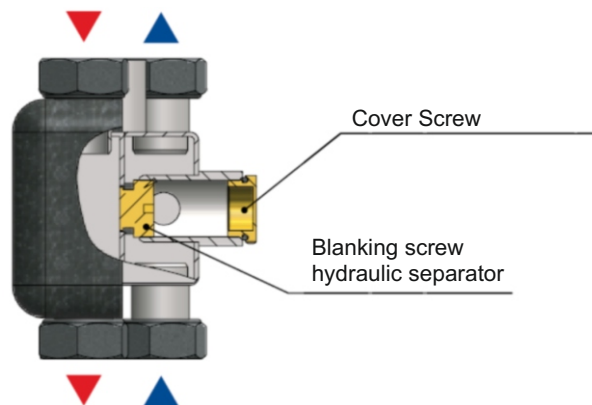
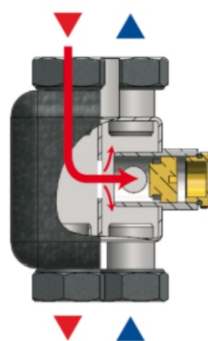
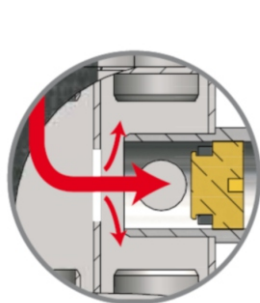
Zone manifold for 2- or 3-circuits CX

Zone manifold CX. It is made of black painted steel and insulated insulation. It is equipped with mini-hydraulic separator, which by end cap can be opened (see picture).



Type	Cod.
Zone manifold CX 2F for 2 heating circuits	604012
Zone manifold CX 3F for 3 heating circuits	604011

The MINI hydraulic separator
The flow diagram between supply and return.

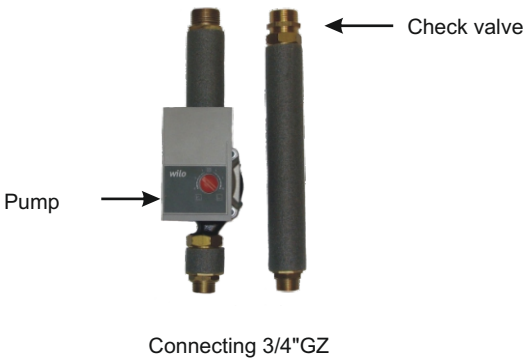


System MIX-BOX



Pump group SA 83 MIX-BOX 20

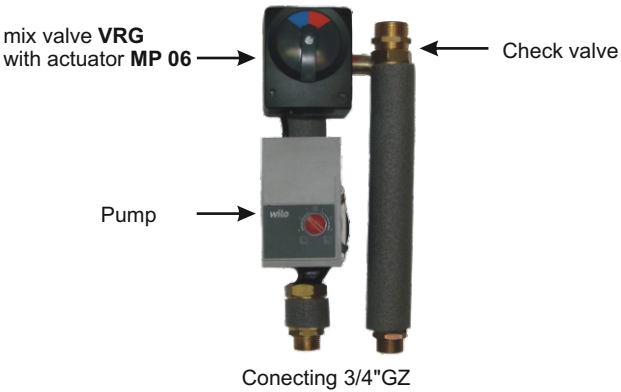
Pump Group SA 83 MIX-BOX 20 without mixing valve is equipped with a check valve, a set of insulated connecting pipes and a pump Wilo.



Type	Cod.
Pump group SA 83 MIX-BOX 20 with pump Yonos Para 15/6 RKA	604062

Pump group SMT 83 MIX-BOX 20

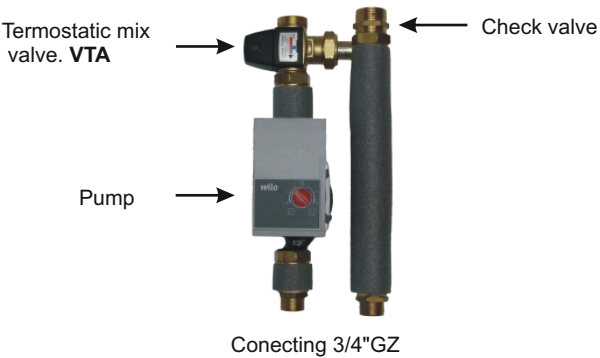
Pump group SMT 83 MIX-BOX 20 is equipped with a 3-way rotary mixing valve ESBE VRG T-132-20 - 6.3, check valve, a set of insulated pipes connecting, mixing valve actuator MP 06-230 / 140 adapter A065 (230 VAC, 3-point., 135 sec. / 90 degree.) and a pump WILO.



Type	Cod.
Pump group SMT 83 MIX-BOX 20 with pump Yonos Para 15/6 RKA	604082

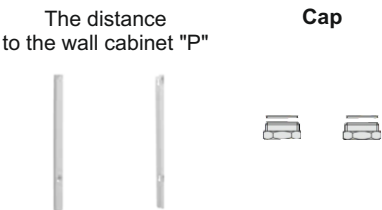
Pump group SMTC 83 MIX-BOX 20

Pump group SMTC 83 MIX-BOX 20 is equipped with a 3-way thermostatic mixing valve type ESBE VTA 322 (DN 20, the range 20-43 °C), check valve, a set of insulated pipes and connecting and the pump WILO.



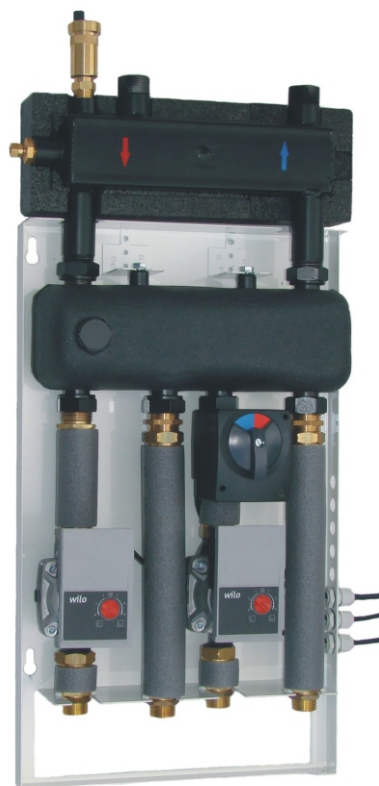
Type	Cod.
Pump group SMTC 83 MIX-BOX 20 with pump Yonos Para 15/6 RKA	604021

Additional equipment MIX-BOX system

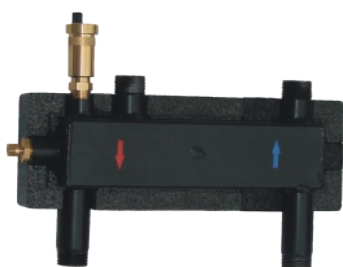


Type	Cod.
Plugs when there is no connection of the pump group- For a system with two circuits. 1 set. = 2 plugs, 2 seals	610001
The distance to the wall cabinet "P"	604054

Hydraulic separator CPN MIX-BOX



Hydraulic separator CPN MIX-BOX



The hydraulic separator CPN MIX-BOX is made of steel. The factory is equipped with insulation sleeve plunger 1/2 "sensor, the automatic air vent 3/8" with check valve 1/2 ", two brass fittings 1" m/f.

Separator CPN MIX-BOX has been produced to ensure the full adjustment of the MIX-BOX system.

Specification:

Separator Material: Steel ST 37.1

Isolation Separator: EPP black 40 g / l

Max. Temperature: 110 ° C

Max. flow: 1.7 m³ / h

Max. Working pressure: 6 bar

Type	Cod.
Hydraulic separator CPN MIX-BOX 2 with insulation (for systems MIX-BOX 2 circuits)	604015
Hydraulic separator CPN MIX-BOX 3 with insulation (for systems MIX-BOX 3 circuits)	604016