



ATMOS

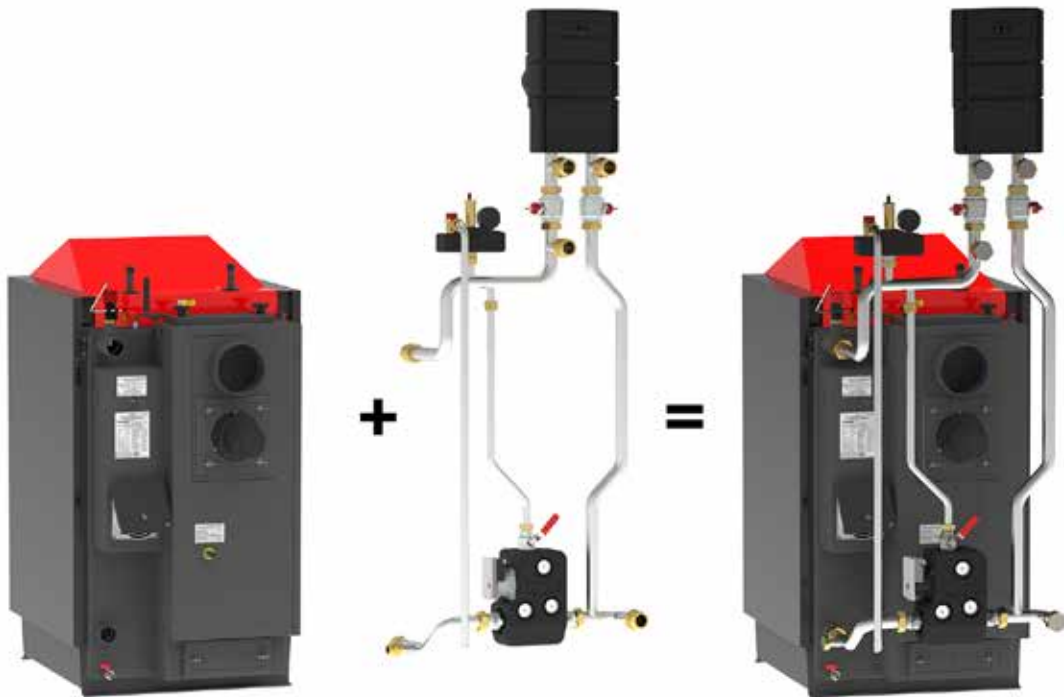
CATALOG OF CONNECTIONS

(prices valid from 1. 1. 2023)

Modern times bring innovations that **speed up and simplify the installation of the boiler in the boiler room**. That is why ATMOS has prepared **original connection sets** that can be purchased already with the boiler or as accessories for the boiler

Thanks to the solution, the connection enables **quick and, above all, correct installation of the boiler** in your boiler room and **guarantees the correct operation of the boiler and the entire heating system**.

The professional stainless steel connection for boilers ATMOS is based on pipes with the diameter of 35×1.5 and 22×1.5 mm. The connection includes **the boiler circuit** for the maintenance of the minimum temperature of the return water to the boiler (Laddomat X22, ESBE circulation unit with a thermoregulation valve or a controlled three-way valve). **A system circuit** equipped with an ESBE pump group with a three-way valve for setting the desired water temperature in the heating system according to the variant with or without a servo actuator (excluding F23 and F24 connections)



The advantage of the original ATMOS connection is the easy and quick connection of the boiler using two screw fittings with a gasket. The connection contains all the necessary components required by the manufacturer - **the boiler circuit, safety set** (safety valve 2,5 bar, vent valve, manometer), **heating circuit** (two pumps, two shut-off valves, a three-way mixing valve for the heating circuit (except F23 and F24 connections)) and outlets for the connection of accumulation tanks and an expansion tank.

The connection is a ready-to-use solution to connect the boiler **directly to the heating system** or to connect the boiler **with accumulation tanks**. In the case of a larger heating system, the boiler connection can be extended up to two or three heating circuits by purchasing manifold and the necessary pump group.

ATMOS connection is the right choice for renovations or constructions of completely new boiler rooms.

USED ARMATURES FOR ATMOS CONNECTION

Laddomat X22

- Definition: boiler circuit fittings to protect the boiler against low-temperature corrosion
- thermoregulation valve (78/72 °C) / - energy efficient pump WILO
 - fittings with external threads with ball valves / - insulation set with thermometers

For Connection: code: P0247

ATMOS F5/F6 Laddomat
ATMOS F13 Laddomat
ATMOS F23/22 Laddomat



Circulation unit ESBE GSA211 - spacing 125 mm - 6/4" / 1"

- Definition: boiler circuit fittings to protect the boiler against low-temperature corrosion
- servo actuator ESBE ARA 651 - 60 s / 6 Nm (230 V/50 Hz)
 - energy efficient pump WILO
 - ball valve with thermometers / - insulation

For Connection: code: P0511

ATMOS F7 ESBE
ATMOS F8 ESBE



Circulation unit ESBE GFA321 - spacing 90 mm - 1" / 1"

- Definition: boiler circuit fittings to protect the boiler against low-temperature corrosion
- thermoregulation valve (70 °C)
 - energy efficient pump WILO
 - ball valve with thermometers / insulation

For Connection: code: P0509

ATMOS F17 ESBE-PX
ATMOS F18 ESBE-PX
for DxxP Compact boilers



Circulation unit ESBE GSA311 - spacing 90 mm - 1" / 1"

- Definition: boiler circuit fittings to protect the boiler against low-temperature corrosion
- servo actuator ESBE ARA 651 - 60 s / 6 Nm (230 V/50 Hz)
 - energy efficient pump WILO
 - ball valve with thermometers / insulation

For Connection: code: P0508
for Pxx Compact boilers



Safety set

- Definition: informatively safety fittings
- safety valve 2,5 bar
 - vent valve
 - manometer 4 bar

For Connection:

up to 30 kW - 3/4" → code: P0246

up to 40 kW - 1" → code: P0249



Circulation unit ESBE GRA211 - spacing 125 mm - 6/4" / 1"

- Definition: fitting for setting the water temperature in the heating system
- **mixed** without servo actuator - three-way valve **with manual control**
 - energy efficient pump WILO
 - ball valve with thermometers / insulation
 - possibility to add servo actuator

For Connection: code: P0538

ATMOS F5/F6 Laddomat
ATMOS F13 Laddomat



Circulation unit ESBE GRA211 - spacing 125 mm - 6/4" / 1"

- Definition: fitting for setting the water temperature in the heating system
- **mixed** - three-way valve **with servo actuatore** ARA 661 - 120 s
 - energy efficient pump WILO
 - ball valve with thermometers / insulation

For Connection: code: P0514

ATMOS F7 ESBE
ATMOS F8 ESBE



Circulation unit ESBE GFA211 - spacing 125 mm - 6/4" / 1"

- Definition: fitting for regulating the water temperature in the heating system (floor heating)
- **thermostatic** - thermoregulation valve 20 - 55 °C
 - energy efficient pump WILO
 - ball valve with thermometers / insulation

For Connection: code: P0513

accessories to extend the Connection



Circulation unit ESBE GDA211 - spacing 125 mm - 6/4" / 1"

- Definition: fitting for heating the heating system without regulation (boiler DHW)
- **direct** (without mixing)
 - energy efficient pump WILO
 - ball valve with thermometers / insulation

For Connection: code: P0512

accessories to extend the Connection



Circulation unit ESBE GRA311 - spacing 90 mm - 1" / 1"

Definition: fitting for setting the water temperature in the heating system

- **mixed** without servo actuator - three-way valve **with manual control**
- energy efficient pump WILO
- ball valve with thermometers / insulation
- possibility to add servo actuator

For Connection: code: P0533

**ATMOS F17/F18 ESBE-PX
for DxxP Compact boilers**

**Circulation unit ESBE GRA311 - spacing 90 mm - 1" / 1"**

Definition: fitting for setting the water temperature in the heating system

- **mixed** - three-way valve **with servo actuatore** ARA 661 - 120 s
- energy efficient pump WILO
- ball valve with thermometers / insulation

For Connection: code: P0505

for Pxx Compact boilers

**Circulation unit ESBE GFA311 - spacing 90 mm - 1" / 1"**

Definition: fitting for regulating the water temperature in the heating system (floor heating)

- **thermostatic** - thermoregulation valve 20 - 55 °C
- energy efficient pump WILO
- ball valve with thermometers / insulation

For Connection: code: P0504

**accessories to extend the
Connection**

**Circulation unit ESBE GDA311 - spacing 90 mm - 1" / 1"**

Definition: fitting for heating the heating system without regulation (boiler DHW)

- **direct** (without mixing)
- energy efficient pump WILO
- ball valve with thermometers / insulation

For Connection: code: P0503

**accessories to extend the
Connection**

**Manifold GMA421 - spacing 125 mm - 6/4" ↑↓ 6/4"**

Definition: fitting for extending the basic connection to several heating circuits

- **two-circuit**
- insulation

For Connection: code: P0515

**accessories to extend the
Connection**

**Manifold GMA431 - spacing 125 mm - 6/4" ↑↓ 6/4"**

Definition: fitting for extending the basic connection to several heating circuits

- **three-circuit**
- insulation

For Connection: code: P0516

**accessories to extend the
Connection**

**Manifold GMA321 - spacing 90 mm - 1" ↑↓ 1"**

Definition: fitting for extending the basic connection to several heating circuits

- **two-circuit**
- insulation

For Connection: code: P0506

**accessories to extend the
Connection**

**Manifold GMA331 - spacing 90 mm - 1" ↑↓ 1"**

Definition: fitting for extending the basic connection to several heating circuits

- **three-circuit**
- insulation

For Connection: code: P0507

**accessories to extend the
Connection**

**Ball valve WESA**

Definition: shut-off fitting - fitting for adjusting flow rates

- 1" for pipes 22 x 1,5 mm
- 6/4" for pipes 35 x 1,5 mm

For Connection:
for all Connection

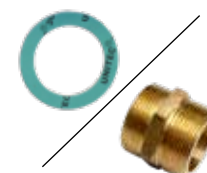
except
**ATMOS F13 Laddomat
ATMOS F23/24 Laddomat**

**Flat sealing / nipples**

Definition: sealing / connecting fittings

- 3/4" - 3 mm
- 1" - 3 mm / - 1"
- 6/4" - 3 mm / - 6/4"
- 2" - 3 mm

For Connection:
for all Connection



ATMOS F5 Laddomat

for boilers:

**DC18S, DC22S, DC22SX, DC25S, DC30SX,
C15S, C18S,
AC16S, AC25S**

**Connection with Laddomat 22 and circulation unit
GRA211 with manually operated three-way valve for
one heating circuit**

price without VAT

price with VAT

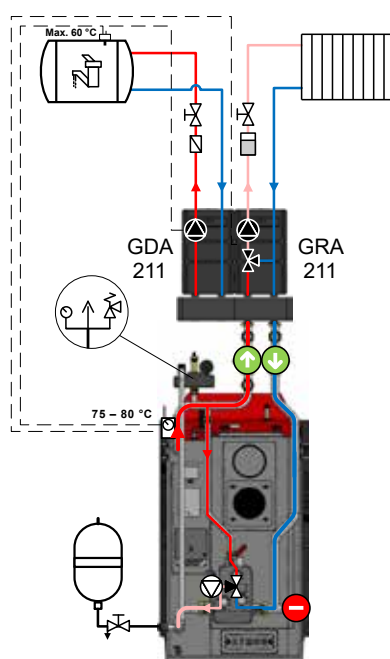
ATMOS F5 Laddomat

(15 - 30 kW)

order code: **P0605**

Set contains: stainless main pipes 35 x 1.5 mm, Laddomat X22 with ball valves in the boiler circuit, circulation unit ESBE GRA211 without servo actuator for the system circuit, safety set KSG (vent and safety valve 2.5 bar - 3/4", manometer), two 6/4" ball valves, special brass nipples with flat seal, 6/4" plugs.

INFO - Connection height on the installed boiler is 1890 mm. In the case of installing a boiler without an accumulation tank, the connection height can be reduced by removing the T-pieces and ball valves (under the system circulation unit) and thus the height can be reduced to 1670 mm. In the case of a low ceiling, the system circulation unit can be placed horizontally with using - **Pipe elbow set OSD 15 - 40 - 6/4"** - code: P0651.



ATMOS F6 Laddomat

for boilers:

**DC32S, DC40SX,
DC15GS, DC20GS, DC25GS, DC32GS,
DC18GD, DC25GD, DC30GD**

**Connection with Laddomat 22 and circulation unit
GRA211 with manually operated three-way valve for
one heating circuit**

price without VAT

price with VAT

ATMOS F6 Laddomat

(15 - 40 kW)

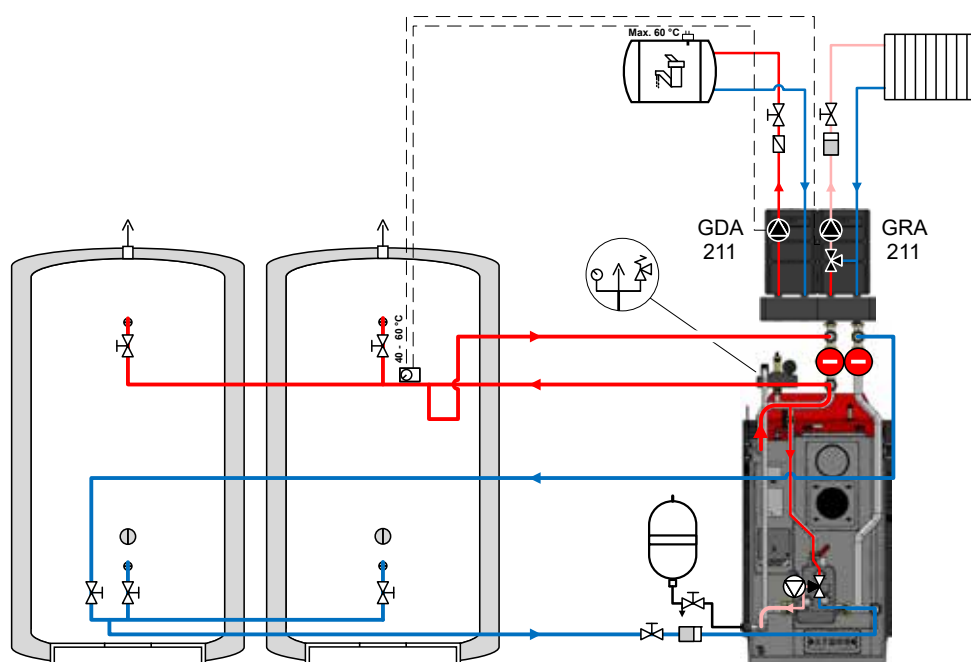
order code: **P0606**

Set contains: stainless main pipes 35 x 1,5 mm, Laddomat X22 with ball valves in boiler circuit, circulation unit ESBE GRA211 without servo actuator for system circuit, safety set KSG (vent and safety valve 2,5 bar - 1", manometer), two ball valves 6/4", special brass nipples with flat sealing, 6/4" plug.

INFO - Connection height on the installed boiler is 1965 mm. In the case of installing a boiler without an accumulation tank, the connection height can be reduced by removing the T-pieces and ball valves (under the system pump group) and thus the height can be reduced to 1745 mm.

In the case of a low ceiling, the system pump group can be placed horizontally using the accessories

- **Pipe elbow set OSD 15 - 40 - 6/4"** - code: P0651.



Laddomat X22

ATMOS F7 ESBE

for boilers:

**DC18S, DC22S, DC22SX, DC25S, DC30SX,
C15S, C18S,
AC16S, AC25S**

Connection with circulation unit ESBE GSA211 for boiler circuit and circulation unit ESBE GRA211 in system circuit with three-way valves with servo actuators - recommended for boilers with equithermal regulation ATMOS ACD 03/04

price without VAT

price with VAT

ATMOS F7 ESBE

(15 - 30 kW)

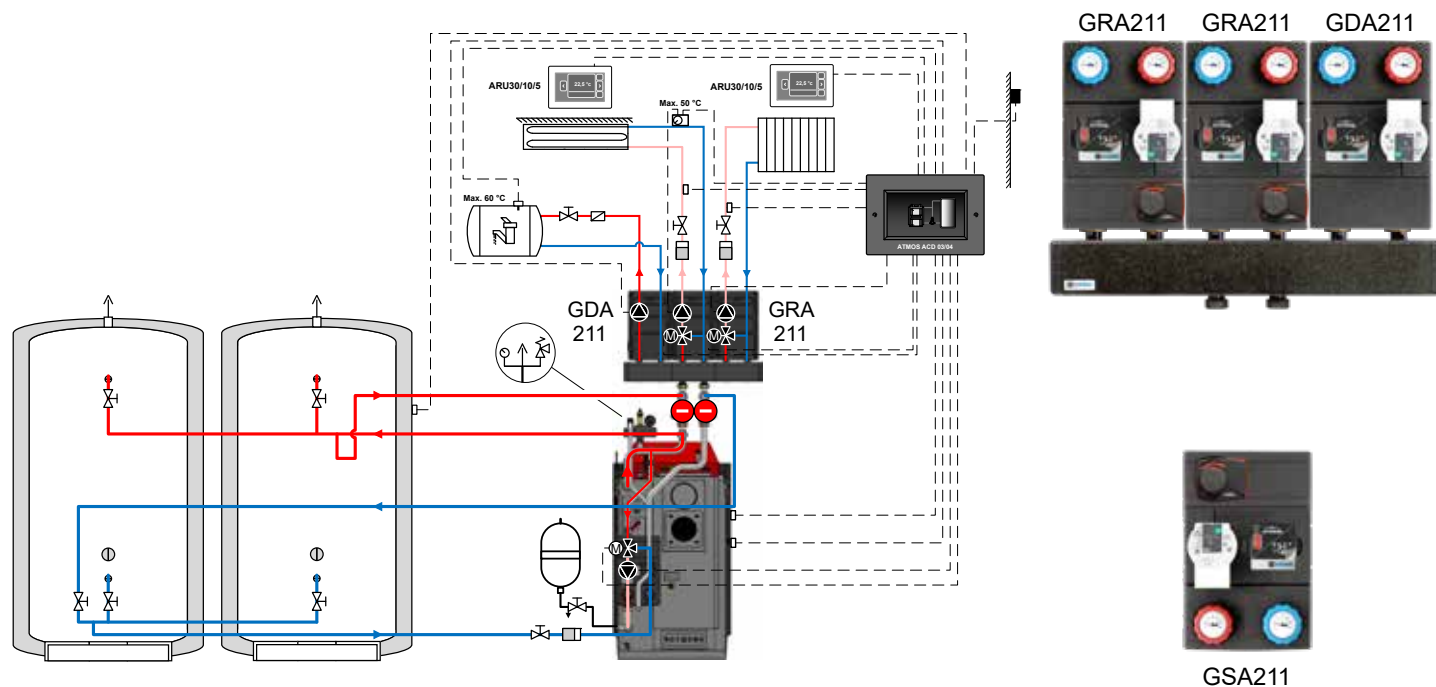
order code: **P0607**

Set contains: stainless main pipes 35 x 1,5 mm, circulation unit ESBE GSA211 with servo actuator (230 V/50 Hz/60 s) for boiler circuit, circulation unit ESBE GRA211 with servo actuator (230 V/50 Hz/120 s) for system circuit, safety set KSG (vent and safety valve 2,5 bar - 3/4", manometer), two ball valve 6/4", special brass nipples with flat sealing, 6/4" plug.

INFO - The height of the connection on the installed boiler is 1890 mm. In the case of installing a boiler without an accumulation tank, the connection height can be reduced by removing the T-pieces and ball valves (under the system pump group) and thus the height can be reduced to 1670 mm.

In the case of a low ceiling, the system pump group can be placed horizontally using the accessories

- Pipe elbow set OSD 15 - 40 - 6/4" - code: P0651.



ATMOS F8 ESBE

for boilers:

**DC32S, DC40SX,
DC15GS, DC20GS, DC25GS, DC32GS,
DC18GD, DC25GD, DC30GD**

Connection with circulation unit ESBE GSA211 for boiler circuit and circulation unit ESBE GRA211 in system circuit with three-way valves with servo actuators - recommended for boilers with equithermal regulation ATMOS ACD 03/04

price without VAT

price with VAT

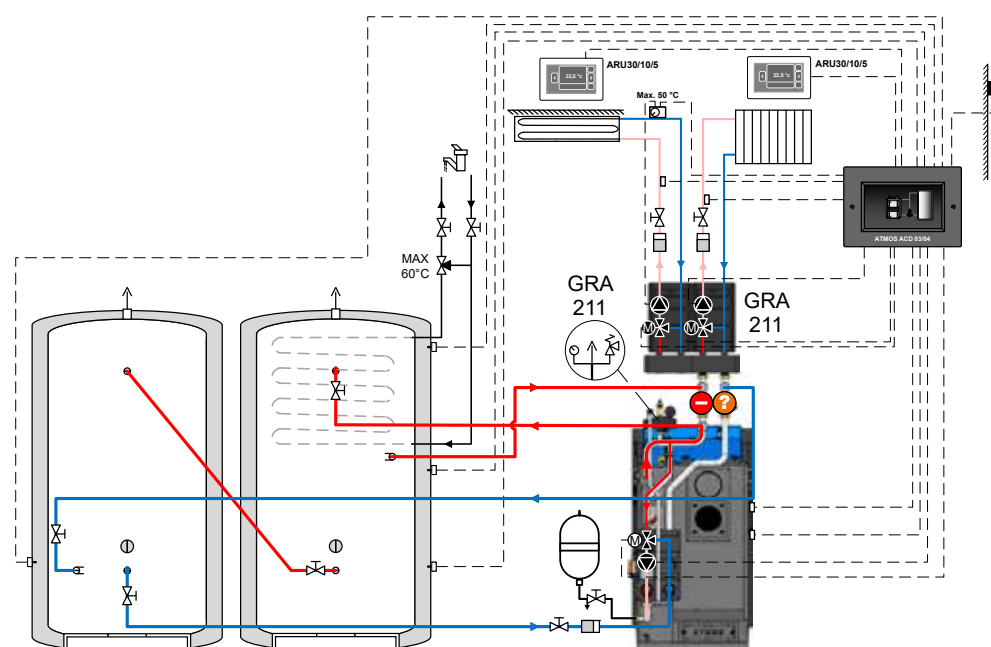
ATMOS F8 ESBE

(15 - 40 kW)

order code: **P0608**

Set contains: stainless main pipes 35 x 1,5 mm, circulation unit ESBE GSA211 with servo actuator (230 V/50 Hz/60 s) for boiler circuit, circulation unit ESBE GRA211 with servo actuator (230 V/50 Hz/120 s) for system circuit, safety set KSG (vent and safety valve 2,5 bar - 1", manometer), two ball valves 6/4", special brass nipples with flat sealing, 6/4" plug.

INFO - The height of the connection on the installed boiler is 1965 mm. In the case of installing a boiler without an accumulation tank, the connection height can be reduced by removing the T-pieces and ball valves (under the system pump group) and thus the height can be reduced to 1745 mm. In the case of a low ceiling, the system pump group can be placed horizontally using the accessories - **Pipe elbow set OSD 15 - 40 - 6/4"** - code: P0651.



GSA211

ATMOS F17 ESBE-PX

for boilers:

D10PX

**Connection with circulation unit ESBE GFA321 (70 °C)
for boiler circuit and circulation unit ESBE GRA311
(without servo actuator) with manually operated three-
way valve for one heating circuit**

price without VAT

price with VAT

ATMOS F17 ESBE-PX

(3 - 10 kW)

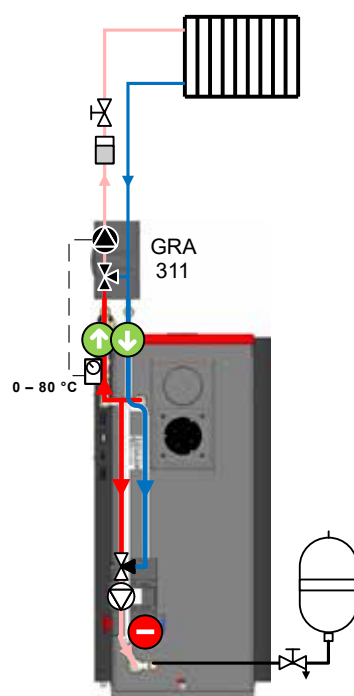
order code: **P0617**

Set contains: stainless main pipes 22 x 1,5 mm, circulation unit ESBE GFA321 with thermoregulation valve (70 °C) for boiler circuit, circulation unit ESBE GRA311 (without servo actuator) for system circuit, safety set KSG (vent and safety valve 2,5 bar, manometer), two ball valves 1", special brass nipples with flat sealing, 1" plug.

INFO - The height of the connection on the installed boiler is 1645 mm.

In the case of a low ceiling, the system pump group can be placed horizontally using the accessories

- Pipe elbow set OSP 10 - 25 - 1" - code: P0652.



GRA311



GFA321

ATMOS F18 ESBE-PX

for boilers:

D15PX, D20PX, D25PX

**Connection with circulation unit ESBE GFA321 (70 °C)
for boiler circuit and circulation unit ESBE GRA311
(without servo actuator) with manually operated three-
way valve for one heating circuit**

price without VAT

price with VAT

ATMOS F18 ESBE-PX

(4,5 - 24 kW)

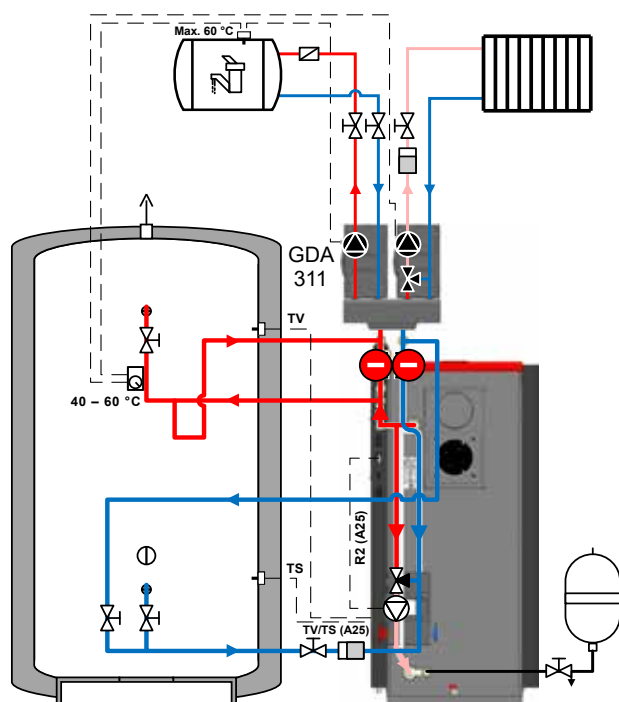
order code: **P0618**

Set contains: stainless main pipes 22 x 1,5 mm, circulation unit ESBE GFA321 (70 °C) with thermoregulation valve for boiler circuit, circulation unit ESBE GRA311 (without servo actuator) for system circuit, safety set KSG (vent and safety valve 2,5 bar, manometer), two ball valves 1“, special brass nipples with flat sealing, 1“ plug.

INFO - The height of the connection on the installed boiler is 1845 mm.

In the case of a low ceiling, the system pump group can be placed horizontally using the accessories

- Pipe elbow set OSP 10 - 25 - 1“ - code: P0652.



GFA321

ATMOS F23 Laddomat

for boilers:

**DC18S, DC22S, DC22SX, DC25S, DC30SX,
C15S, C18S,
AC16S, AC25S**

Connection (only boiler circuit) with Laddomat 22

price without VAT

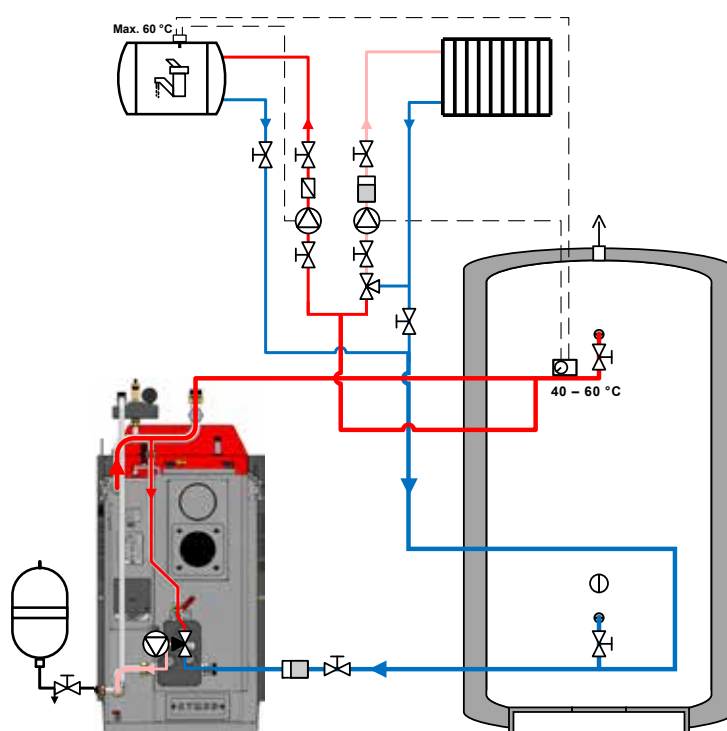
price with VAT

ATMOS F23 Laddomat

(15 - 30 kW)

order code: **P0623**

Set contains: stainless main pipes 35 x 1,5 mm, Laddomat X22 with ball valves in boiler circuit, safety set KSG (vent and safety valve 2,5 bar - 3/4", manometer), two ball valves 6/4", special brass nipples with flat sealing, 6/4" plug.



standard armatures



(not part of the delivery)



Laddomat X22

ATMOS F24 Laddomat

for boilers:

**DC32S, DC40SX,
DC15GS, DC20GS, DC25GS, DC32GS,
DC18GD, DC25GD, DC30GD**

Connection (only boiler circuit) with Laddomat 22

price without VAT

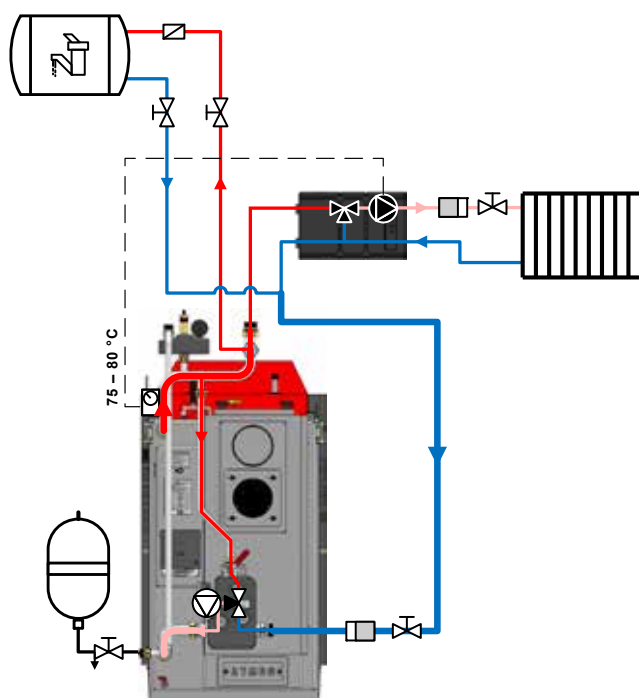
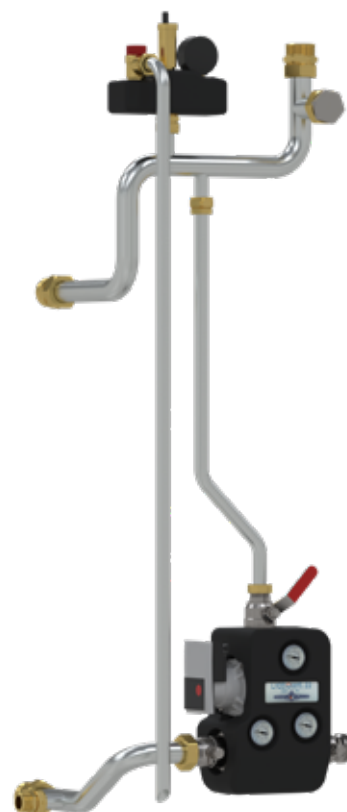
price with VAT

ATMOS F24 Laddomat

(15 - 40 kW)

order code: **P0624**

Set contains: stainless main pipes 35 x 1,5 mm, Laddomat X22 with ball valves in boiler circuit, safety set KSG (vent and safety valve 2,5 bar - 1", manometer), two ball valves 6/4", special brass nipples with flat sealing, 6/4" plug.



GRA211



(not part of the delivery)



Laddomat X22

ATMOS F13 Laddomat

universal connection

for boilers:

**DC18S, DC22S, DC22SX, DC25S, DC30SX, DC32S, DC40SX,
DC15GS, DC20GS, DC25GS, DC32GS,
DC18GD, DC25GD, DC30GD
C15S, C18S, C25ST, C32ST,
AC16S, AC25S,
DC18SP, DC25SP, DC30SPX, DC32SP**

**Connection (only boiler circuit) with Laddomat 22
and not connected circulation unit GRA211 with
manually operated three-way valve for one heating
circuit**

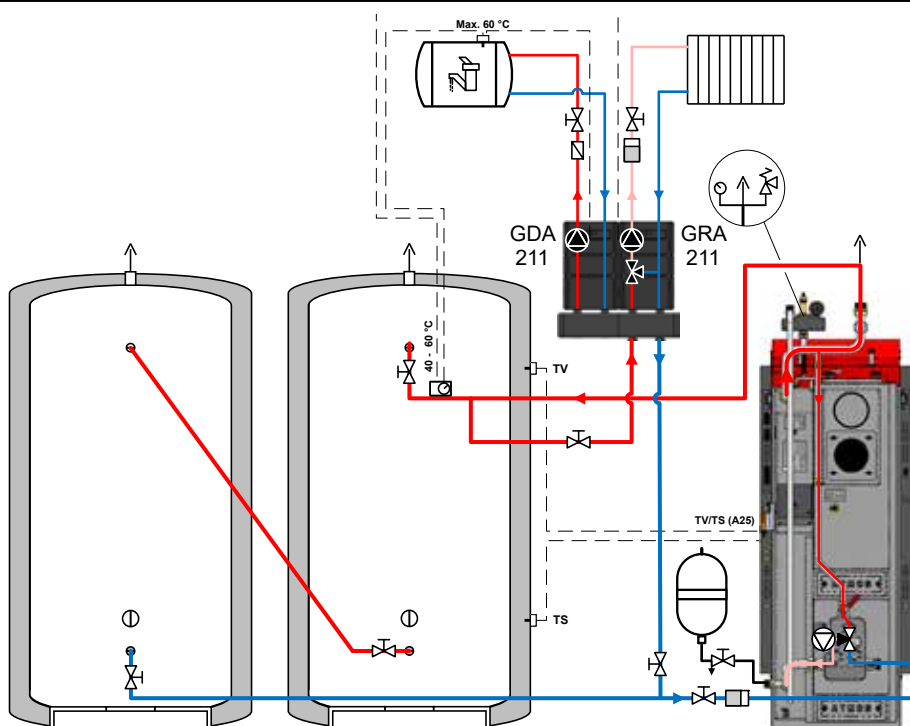
price without VAT price with VAT

ATMOS F13 Laddomat

(15 - 40 kW)

order code: **P0613**

Set contains: stainless main pipes 35 x 1,5 mm, Laddomat X22 with ball valves in boiler circuit, unconnected separate circulation unit ESBE GRA211 without servo actuator for system circuit, safety set KSG (vent and safety valve 2,5 bar, manometer), special brass nipples with flat sealing, 6/4" plug, a set of pipes for different variants of boilers.



ATMOS F6 Laddomat

pipe extension set PSC 25 - 35

for boilers:

C25ST
C32ST

Connection with Laddomat 22 and circulation unit GRA211 with manually operated three-way valve for one heating circuit

price without VAT

price with VAT

ATMOS F6 Laddomat

(15 - 40 kW)

order code: **P0606**

+

Pipe extension set PSC 25 - 35

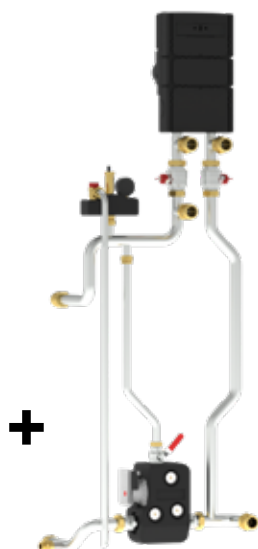
order code: **P0650**

Set contains: 1x connecting pipe 22 x 1,5 mm
1x connecting pipe 35 x 1,5 mm

3x flat sealing 1" - 3 mm
3x flat sealing 6/4" - 3 mm

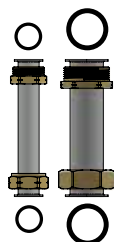


C25ST, C32ST



ATMOS F6 Laddomat

+



PSC 25 - 35

=



ATMOS F6 Laddomat

pipe extension set PSC 40 - 50

for boilers:

C40S
DC40GS

Connection with Laddomatem 22 and circulation unit GRA211 with manually operated three-way valve for one heating circuit

price without VAT

price with VAT

ATMOS F6 Laddomat

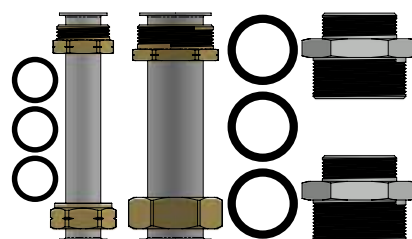
(15 - 40 kW)

order code: **P0606**

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Pipe extension set PSC 40 - 50

order code: **P0653**

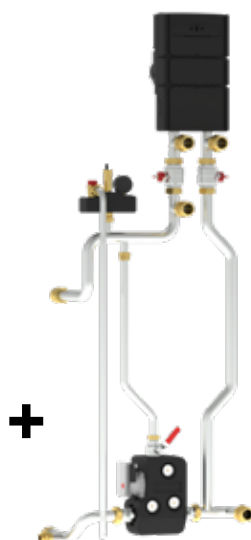


Set contains: 1x connecting pipe 22 x 1,5 mm
1x connecting pipe 35 x 1,5 mm

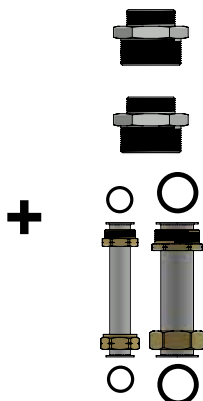
3x flat sealing 1" - 3 mm
3x flat sealing 6/4" - 3 mm
2x reducing nipple 2"↔6/4"



C40S, DC40GS



ATMOS F6 Laddomat



PSC 40 - 50



ATMOS F6 Laddomat

pipe extension set PSGD 40 - 50

for boilers:

DC40GD

Connection with Laddomatem 22 and circulation unit GRA211 with manually operated three-way valve for one heating circuit

price without VAT

price with VAT

ATMOS F6 Laddomat

(15 - 40 kW)

order code: **P0606**

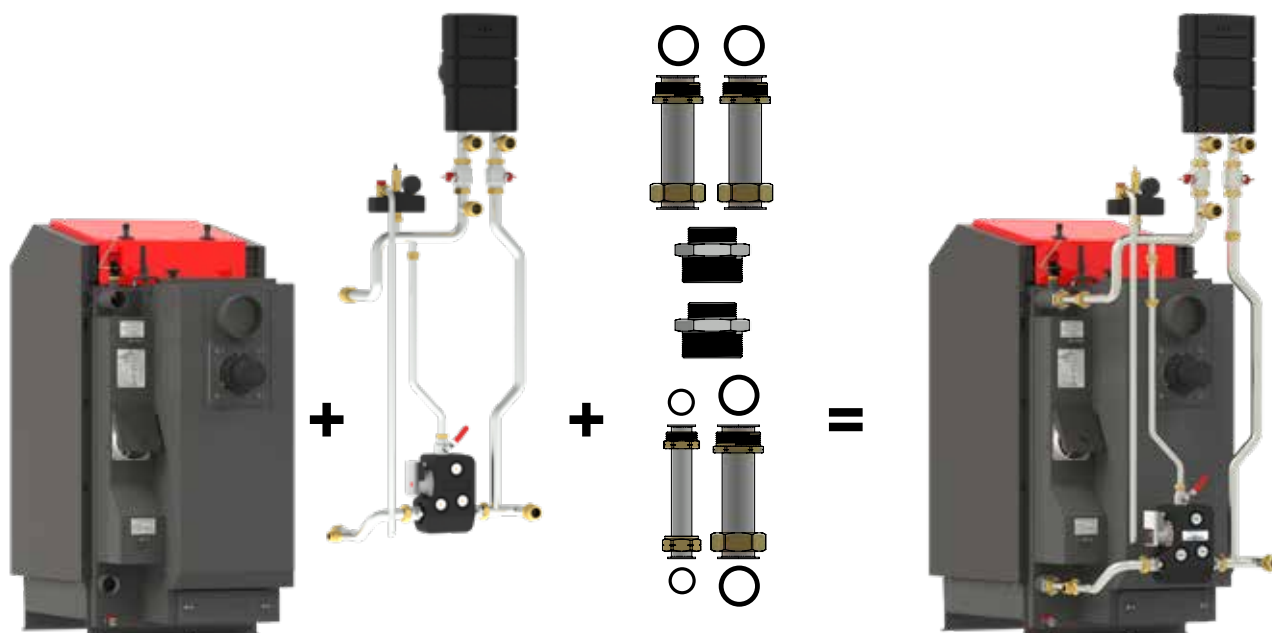
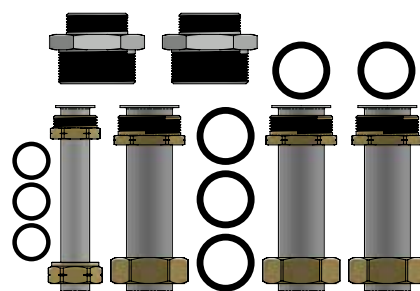
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Pipe extension set PSGD 40 - 50

order code: **P0654**

Set contains: 1x connecting pipe 22 x 1,5 mm
3x connecting pipe 35 x 1,5 mm

3x flat sealing 1" - 3 mm
5x flat sealing 6/4" - 3 mm
2x reducing nipple 2"↔6/4"



DC40GD

ATMOS F6 Laddomat

PSGD 40 - 50

ATMOS F6 Laddomat

pipe extension set PSP 20 - 40

Special connection for boilers:

D20P

D30P

D40P

Connection with Laddomatem 22 and circulation unit GRA211 with manually operated three-way valve for one heating circuit

price without VAT

price with VAT

ATMOS F6 Laddomat

(15 - 40 kW)

order code: **P0606**

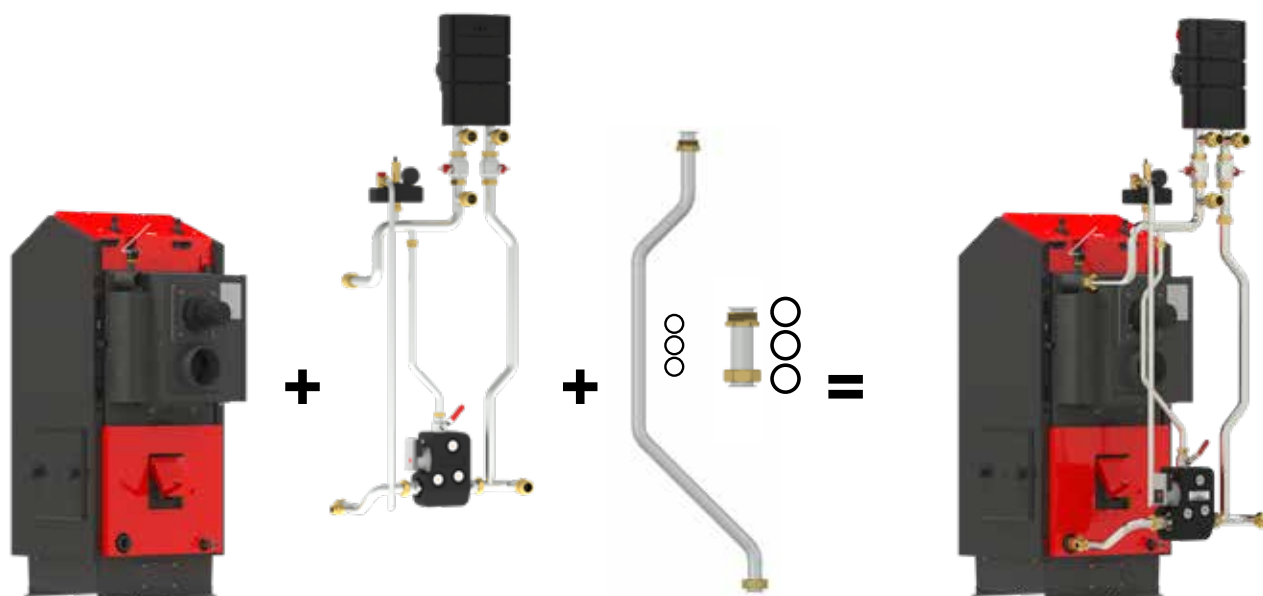
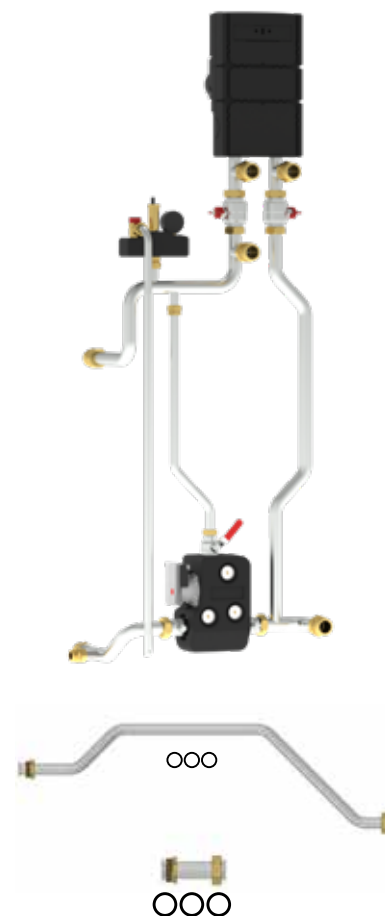
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Pipe extension set PSP 20 - 40

order code: **P0655**

Set contains: 1x connecting pipe 22 x 1,5 - 747 mm
1x connecting pipe 35 x 1,5 - 128 mm

3x flat sealing 1" - 3 mm
3x flat sealing 6/4" - 3 mm



D20P, D30P, D40P

ATMOS F6 Laddomat

PSP 20 - 40

OSD 15 - 40 - 6/4"

pipe elbow set

Special accessories for connection:

ATMOS F5 Laddomat
ATMOS F6 Laddomat
ATMOS F7 ESBE
ATMOS F8 ESBE

Pipe elbow sets are used to reduce the height of standard connections for boiler rooms with low ceilings

price without VAT

price with VAT

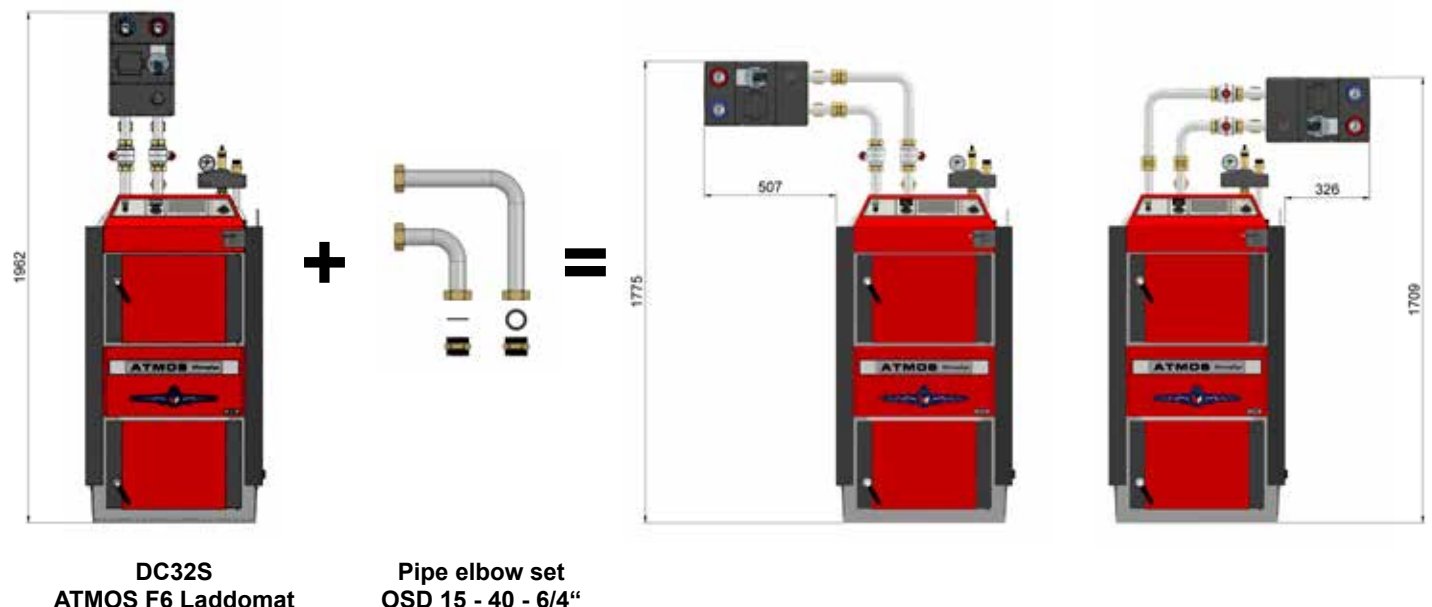
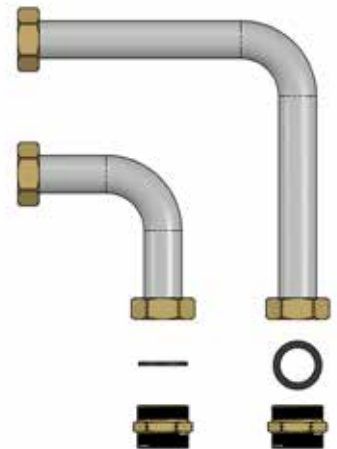
Pipe elbow set OSD 15 - 40 - 6/4"

order code: **P0651**

They are used to install the circulation unit (spacing 125 mm) in a horizontal position for boiler rooms with low ceilings.

Set contains: 1x elbow small 6/4" - Ø 35 mm
1x elbow large 6/4" - Ø 35 mm

2x nipple 6/4"
8x flat sealing 6/4" - 3 mm



DC32S
ATMOS F6 Laddomat

Pipe elbow set
OSD 15 - 40 - 6/4"

OSP 10 - 25 - 1"

pipe elbow set

Special accessories for connection:

ATMOS F17 ESBE-PX

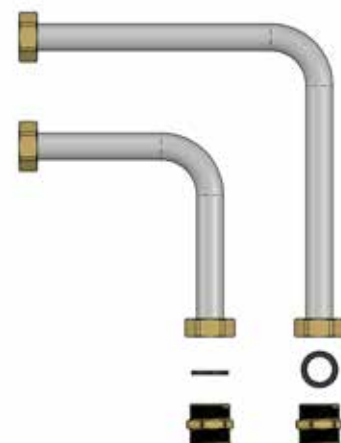
ATMOS F18 ESBE-PX

DxxP Compact boilers with connection

Pipe elbow sets are used to reduce the height of standard connections for boiler rooms with low ceilings

price without VAT

price with VAT



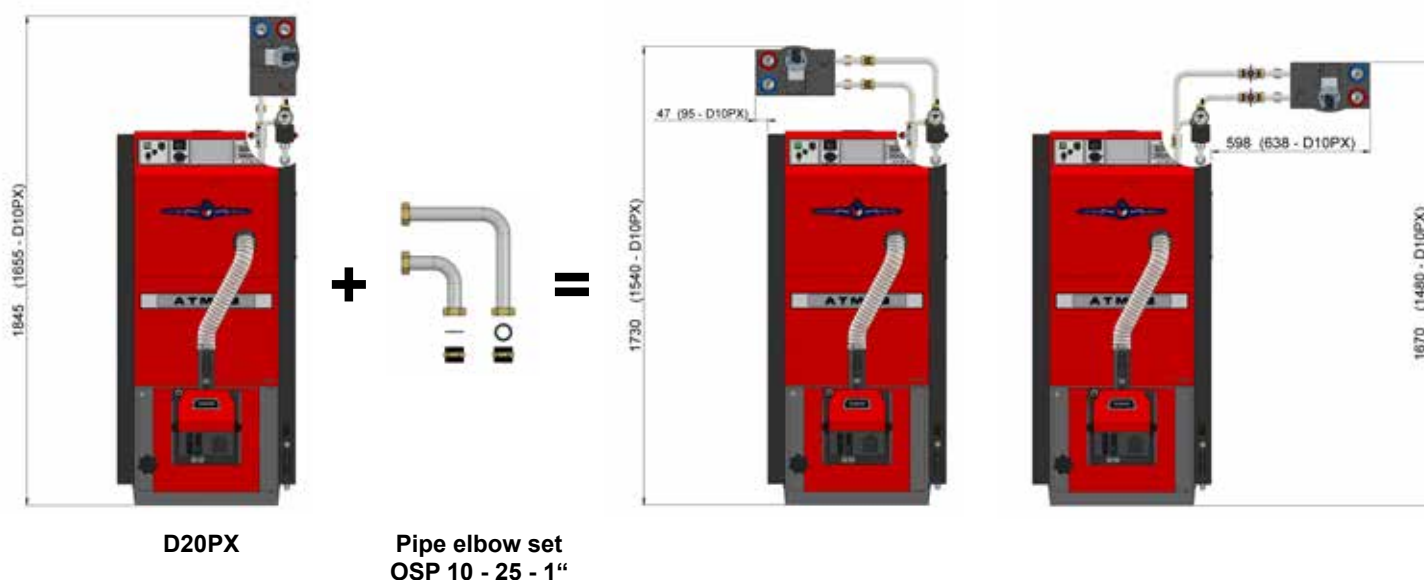
Pipe elbow set OSP 10 - 25 - 1"

order code: **P0652**

They are used to install the circulation unit (spacing 90 mm) in a horizontal position for boiler rooms with low ceilings.

Set contains: 1x elbow small 1" - Ø 22 mm
1x elbow large 1" - Ø 22 mm

2x nipple 1"
8x flat sealing 1" - 3 mm



Accessories for basic connections extension

Assemblies for boilers up to 40 kW with manual stoking

Manifolds

price without VAT

price with VAT

ATMOS/ESBE GMA421

two-circuit - 6/4" \updownarrow 6/4" - spacing 125 mm

order code: **P0515**



ATMOS/ESBE GMA431

three-circuit - 6/4" \updownarrow 6/4" - spacing 125 mm

order code: **P0516**



Circulation units

ATMOS/ESBE GDA211

direct - for domestic hot water

- 1" \updownarrow 6/4" - spacing 125 mm

order code: **P0512**



ATMOS/ESBE GFA211

thermostatic 20 - 55 °C - for underfloor heating

- 1" \updownarrow 6/4" - spacing 125 mm

order code: **P0513**



ATMOS/ESBE GRA211

mixing without servo actuator - for radiators

- 1" \updownarrow 6/4" - spacing 125 mm

order code: **P0538**



ATMOS/ESBE GRA211

mixing with servo actuator 120 s - for radiators/underfloor heating

- 1" \updownarrow 6/4" - spacing 125 mm

order code: **P0514**



Servo actuator ESBE ARA 661

for circulation unit GRA211

- 230 V - 120 s - 6 Nm

order code: **P0415**



Accessories for basic connections extension

Assemblies for boilers DxxP Compact / DxxPX

Manifolde

price without VAT

price with VAT

ATMOS/ESBE GMA321

two-circuit - 1" ↑↓ 1" - spacing 90 mm

order code: **P0506**



ATMOS/ESBE GMA331

three-circuit - 1" ↑↓ 1" - spacing 90 mm

order code: **P0507**



Circulation units

ATMOS/ESBE GDA311

direct - for domestic hot water

- 1" ↑↓ 1" - spacing 90 mm

order code: **P0503**



ATMOS/ESBE GFA311

thermostatic 20 - 55 °C - for underfloor heating

- 1" ↑↓ 1" - spacing 90 mm

order code: **P0504**



ATMOS/ESBE GRA311

mixing without servo actuator - for radiators

- 1" ↑↓ 1" - spacing 90 mm

order code: **P0533**



ATMOS/ESBE GRA311

mixing with servo actuator 120 s - for radiators/underfloor heating

- 1" ↑↓ 1" - spacing 90 mm

order code: **P0505**



Servo actuator ESBE ARA 661

for circulation unit GRA311

- 230V - 120 s - 6 Nm

order code: **P0415**



Example of ATMOS F17 / F18 ESBE-PX connection

without buffer (accumulation) tank

(one heating circuit + DHW heating circuit)

ATMOS F17 / F18 ESBE-PX connection

- manufacturing design

Boiler circuit

GFA321 (code: P0509)

(thermoregulatory 70 °C)

Heating circuit

GRA311 (code: P0533)

(mixing – three-way valve without servo actuator)

Connection extended by:

Manifold for two circuits

GMA321 (code: P0506)

(spacing 90 mm, 1" ↑↓ 1")

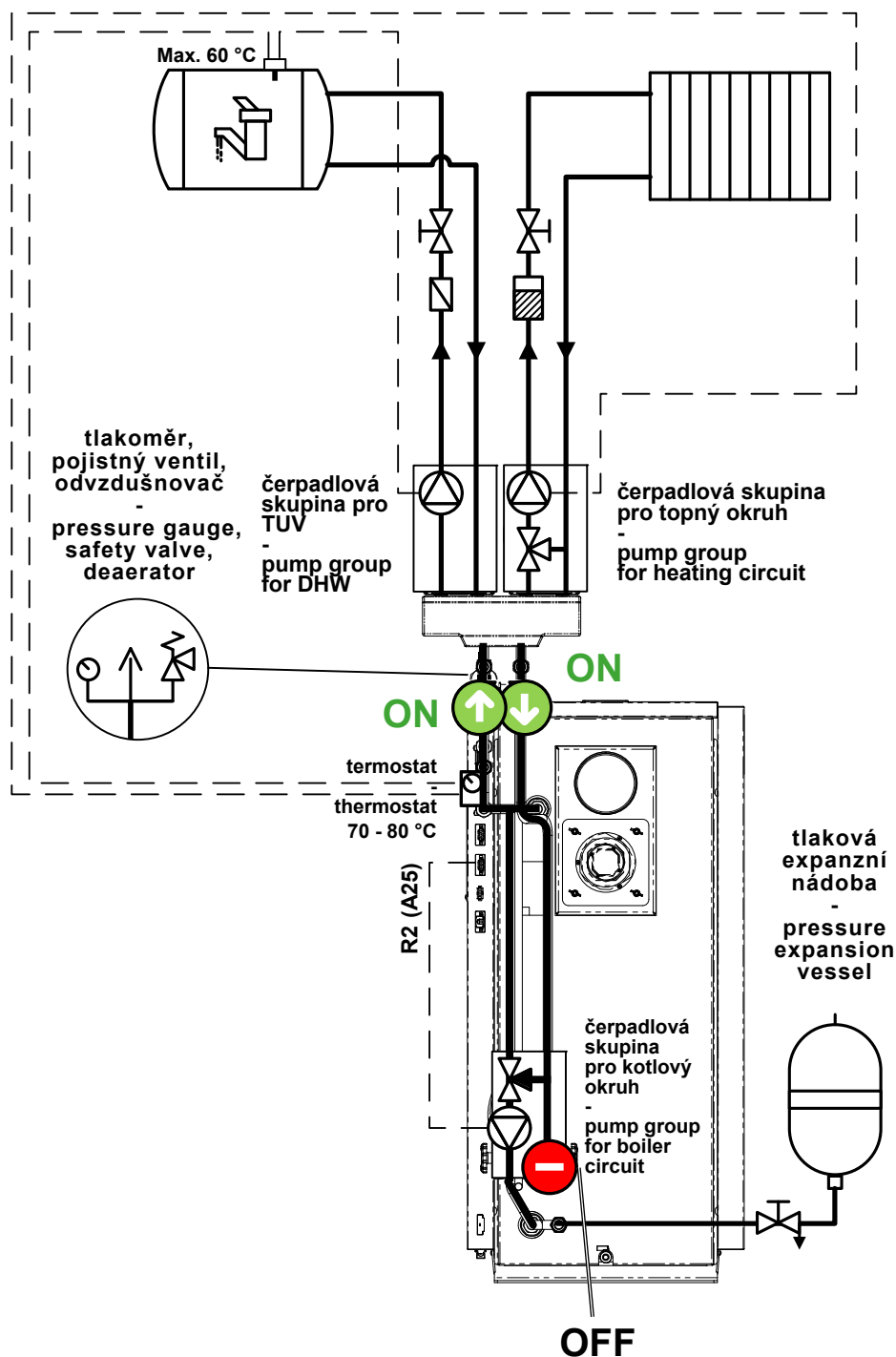
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Circulation unit

- direct (for DHW)

GDA311 (code: P0503)

(spacing 90 mm, 1" ↑↓ 1")



Example of ATMOS F7 / F8 ESBE connection with accumulation tank

(boiler circuit + one heating circuit + DHW heating)

ATMOS F7 / F8 ESBE connection

- manufacturing design

Boiler circuit

GSA211 (code: P0511)

(three-way valve with servo actuator - ARA 661 - 60 s)

Heating circuit

GRA211 (code: P0514)

(three-way valve with servo actuator ARA 661 - 120 s)

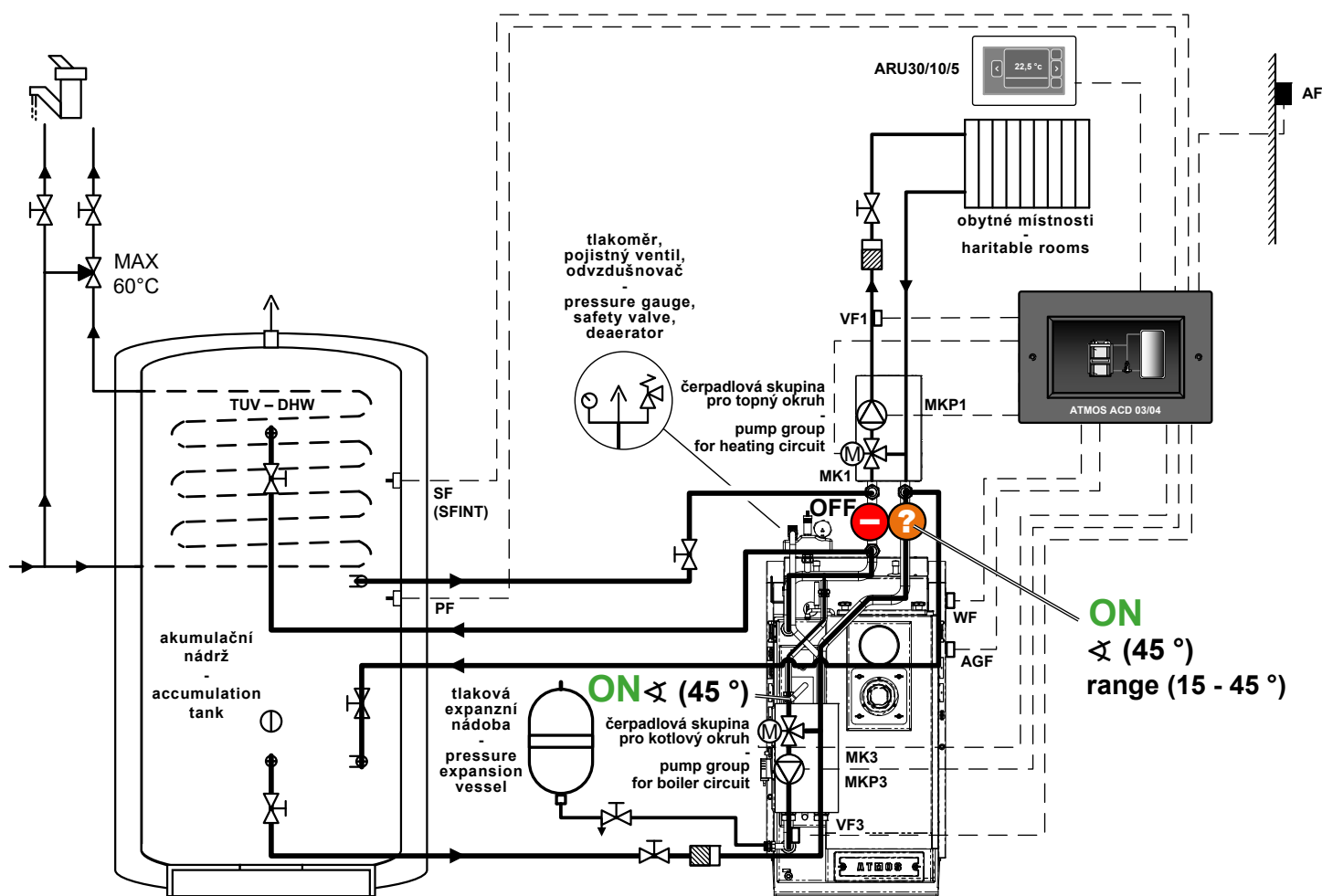
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**ATMOS ACD 03 AGF controller
with accessories (code: S0103)**

ATTENTION – Connection of the accumulation tank as a hydraulic bypass (2x inlet, 2x outlet).

ATTENTION – DHW heating is provided by a flow exchanger in the accumulation tank.

The outlet from the accumulation tank to the heating system is connected in such a way that it does not discharge the upper part of the accumulation tank for DHW heating.



ATTENTION - When connecting a boiler with an output higher than 25 kW with an accumulation tank connected as a hydraulic pressure equalizer (2× outlet, 2× inlet), it is necessary to throttle the valve on the return from the heating circuit (from the distributor) to 45° for better hydraulic balance. Pump in boiler circuit set to maximum and constant displacement height. At the same time, always tighten the upper valve on the ESBE in the boiler circuit (short circuit) to 45°.

== Accessories for boiler and heating system control ==

Equithermal regulation set ATMOS ACD 03

price without VAT

price with VAT

Set ATMOS ACD 03

- recommended set for **pellet boilers (without a flue gas sensor)**

order code: **S0103**

Set ATMOS ACD 03 AGF

- recommended set for **boilers with manual stoking (with a flue gas sensor)**

order code: **S0106**



The **ATMOS ACD 03** controller is an equithermal control element for all ATMOS solid fuel boilers, which is able to control the heating of three (four) heating circuits, the heating of domestic hot water, solar heating via solar collectors, optimal charging and discharging of accumulation tanks, automatic switching of the operation of two boilers (e.g. wood and natural gas boilers) and complete operation of the boiler based on the needs of the heating system, including the exhaust fan. The delivery includes all necessary sensors and connectors for easy installation in the ATMOS boiler panel.

Room units for ACD 03/04 regulator

Room unit (sensor) ATMOS ARU5

order code: **P0471**



Room unit ATMOS ARU10

order code: **P0473**



Room unit ATMOS ARU30

order code: **P0475**



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