

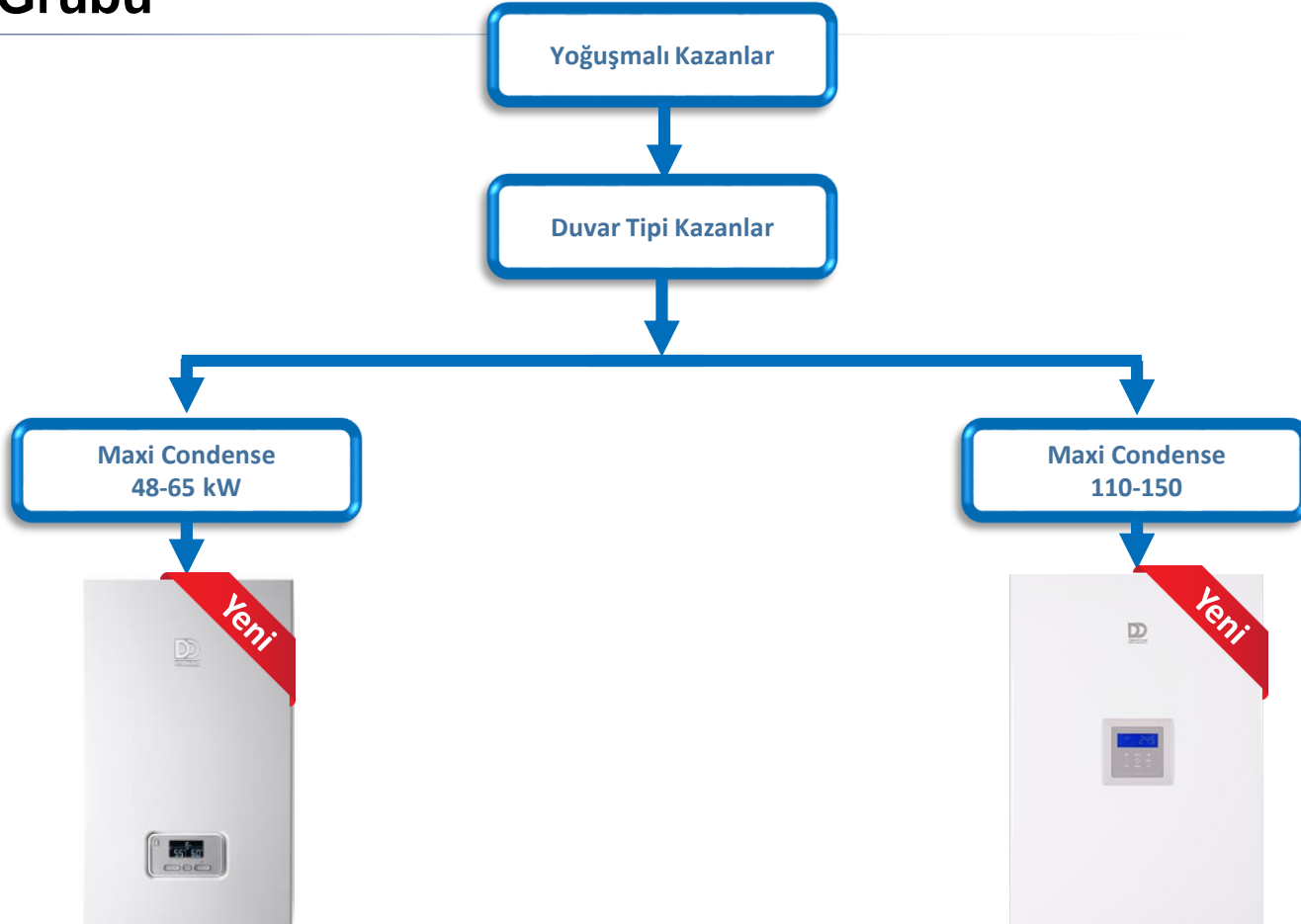


Maxi Condense 48-65 kW



**Maxicondense 48-65 kW  
Boiler Specifications**

# Kazan Ürün Grubu



# Maxi Condense 48 – 65 kW / Outer View

Maxi Condense  
48 kW



Maxi Condense  
65 kW



# Maxi Condense 48 – 65 kW / Interior View

Maxi Condense  
48 kW



Maxi Condense  
65 kW



High Efficiency Pump



Dynamic Air Evacuation System



Stainless Steel Heat Exchanger



4 Bar Resistance Pressure



%109,5 Efficiency



Bypassless and Equalized System



Rain Collector



Kadar Modulation till 1:5



Enable Work with Natural Gas or Pure Propane



NOX Class 6



ErP Standards compliant



Cascade Using till 7 Device



Boiler and Heating System Controlled



Lightweight and Small Structure

# Maxi Condense 65 kW Hydraulic Views

Integral condensing heat exchanger

Fan

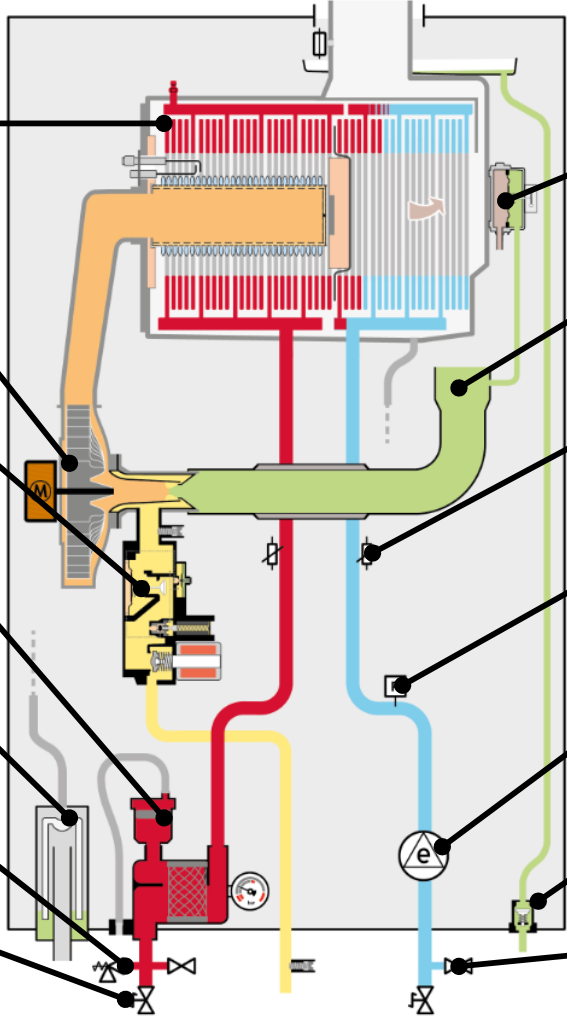
Gaz Valve

Dynamic air separation system

Condensate Water Drain

Safety valve

Service Valve



Air Treatment

Air Suction Pipe

NTC Sensor

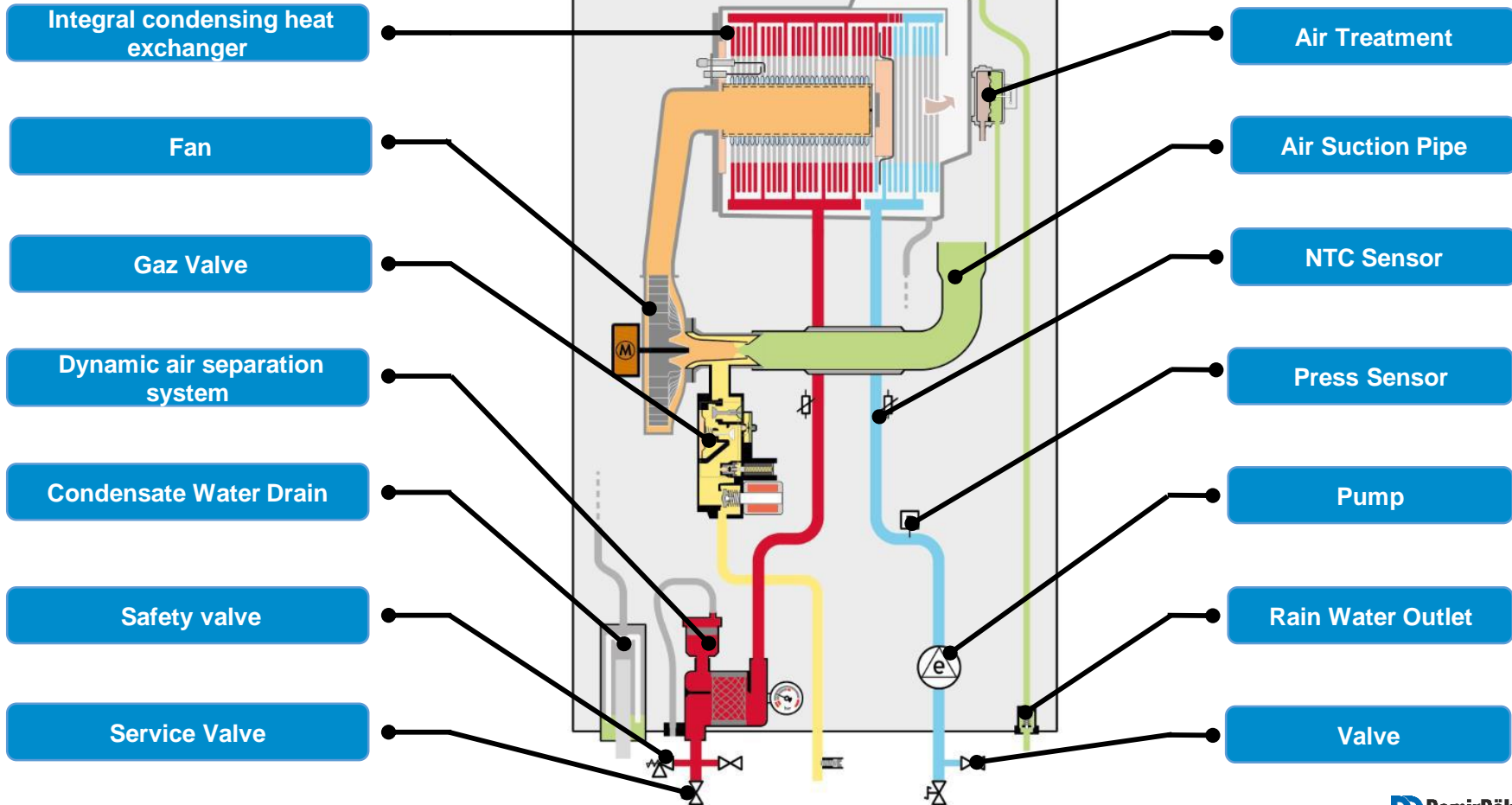
Press Sensor

Pump

Rain Water Outlet

Valve

# Maxi Condense 48 kW Hydraulic Views

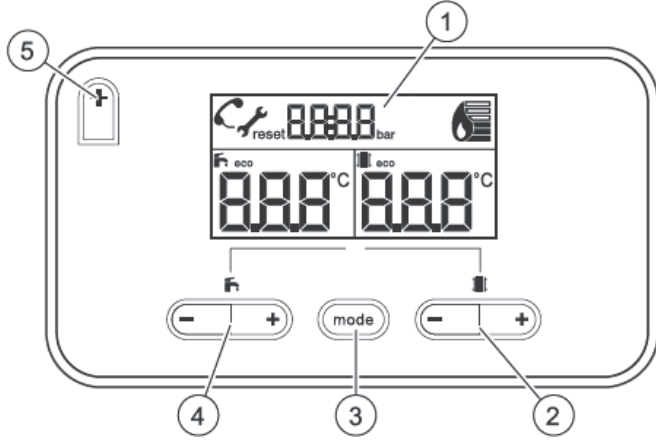









# Kiyaslama Tablosu

<b>Model</b>	<b>Birim</b>	<b>Maxi Condense 48 kW</b>	<b>Maxi Condense 65 kW</b>
Heat Exchanger Type		Premix	Premix
Heat Exchanger Material		Stainless steel	Stainless steel
Flow ( $\Delta T = 20$ K)	<i>l/sa</i>	1900	2500
Heat Output(50/30 °C)	<i>kW</i>	8,7 / 48,0	12,2 / 63,5
Heat Output(60/40 °C)	<i>kW</i>	8,5 / 46,6	11,8 / 61,7
Heat Output (80/60 °C)	<i>kW</i>	7,8 / 44,1	11,0 / 58,7
Width	<i>mm</i>	440	440
Length	<i>mm</i>	405	473
Height	<i>mm</i>	720	720
Weight	<i>Kg</i>	37,8	47,2
Max. Press	<i>Bar</i>	4	4
30% Power Efficiency	<i>%</i>	109.1	109.5
Nox	<i>Class</i>	6	6
Gas category		II2H3P	II2H3P
Bypassless and Equalized System	<i>Lt/s</i>	Minimum 500 Lt Kadar	Minimum 675 Lt Kadar
Rain Collector		✓	✓

# Controller Usage and Symbols



1	Screen
2	Heating mode setting buttons
3	Mode button
4	Hot water operation adjustment keys
5	Reset button

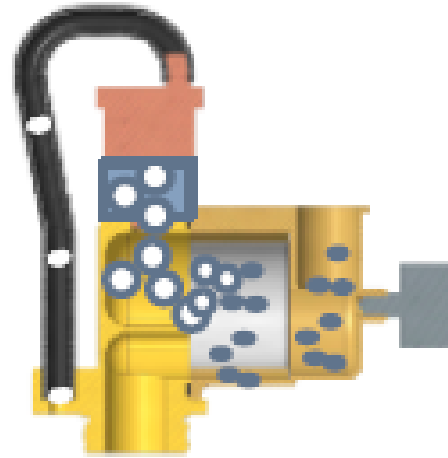
	Doğru brülör işletimi: Brülör açık
	Kalorifer konumu devrede: <ul style="list-style-type: none"><li>- Sürekli yanıyor: Isıtma konumu ısı talebi</li><li>- Yanıp sönüyor: Brülör ısıtma konumunda</li></ul>
	Sıcak su hazırlama etkin: <ul style="list-style-type: none"><li>- Sürekli yanıyor: Kullanma suyu konumu devrede</li><li>- Yanıp sönüyor: Kullanma suyu konumunda brülör devrede</li></ul>
<b>eco</b>	Sıcak su sıcaklığı < 50 °C
	Yetkili servis seviyesi
 ve F.XX	Üründe arıza
<b>OFF</b>	Standby modu

# Rain Collector System



- Directs rain water out of the boiler.
- Discharges water safely through check-valve
- Protects electronic components and prevents malfunctions.
- Prevents corrosion in the boiler

# Dynamic Air Evacuation System

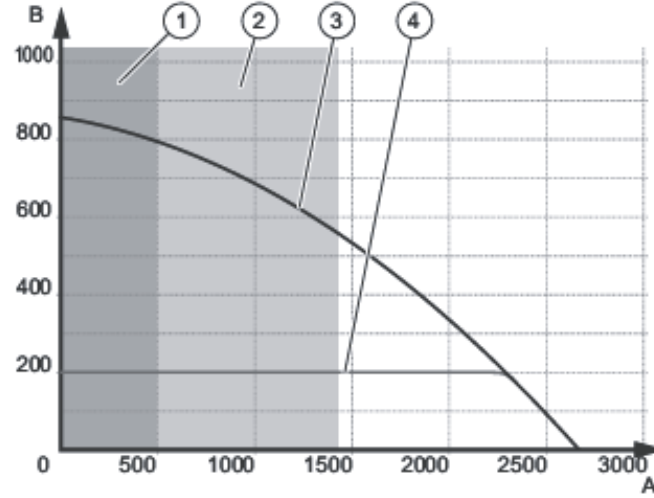


- Eliminates weather problems that reduce operation and performance.
- Eliminates overheating inside the boiler
- It eliminates cavitation problems in the pump and provides long lasting use
- Prevents noise in the heating system

# Automatic Modulation Pump System



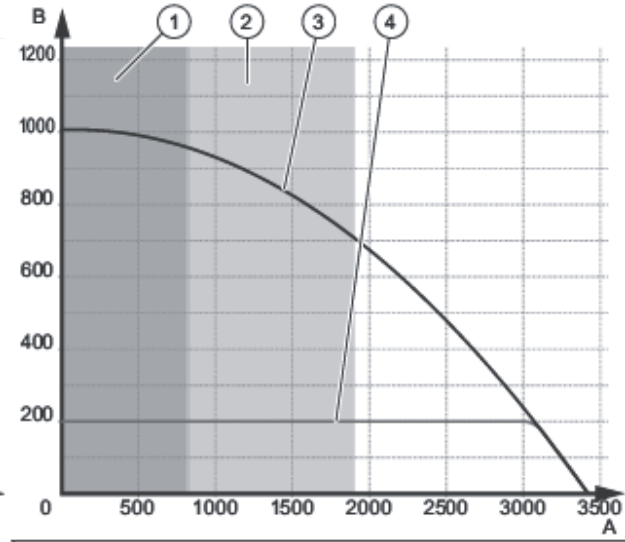
## Maxi Condense 48 kW



- 1 Ürün işletimi olmadan akış alanı
- 2 Sınırlı gidiş suyu sıcaklığı ve güç ile çalışma alanı
- 3 % 100 frekans kontrollü modülasyon için pompa karakteristik eğrisi

- 4  $\Delta P$  sabit
- A l / sa cinsinden sistem debisi
- B hPa (mbar) cinsinden pompanın basma yüksekliği

## Maxi Condense 65 kW



- 1 Ürün işletimi olmadan akış alanı
- 2 Sınırlı gidiş suyu sıcaklığı ve güç ile çalışma alanı
- 3 % 100 frekans kontrollü modülasyon için pompa karakteristik eğrisi

- 4  $\Delta P$  sabit
- A l / sa cinsinden sistem debisi
- B hPa (mbar) cinsinden pompanın basma yüksekliği

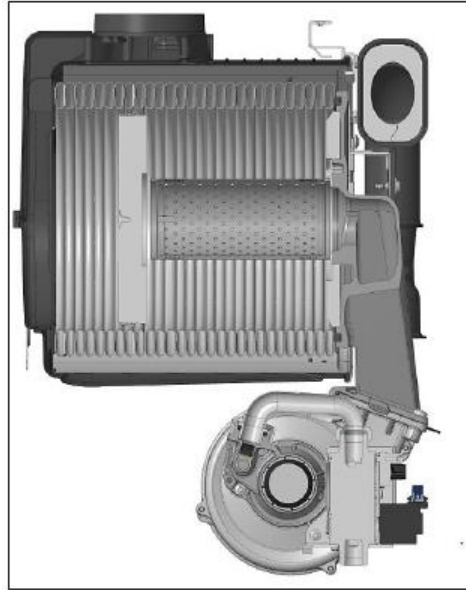
Low electricity cost

Silent operation

Generates a PWM signal to the electronic board for intelligent flow and output modulation.

Pompa tipi	Güç tüketimi	Basma yüksekliği	Elektrik beslemesi	Eşanjör sarım sayısı
Grundfos UPMM 25-85	6 – 87 W	8,5 m	230 V	7
Grundfos UPMM 25-105	3 – 140 W	10,5 m	230 V	9

# Integral Heat Exchanger



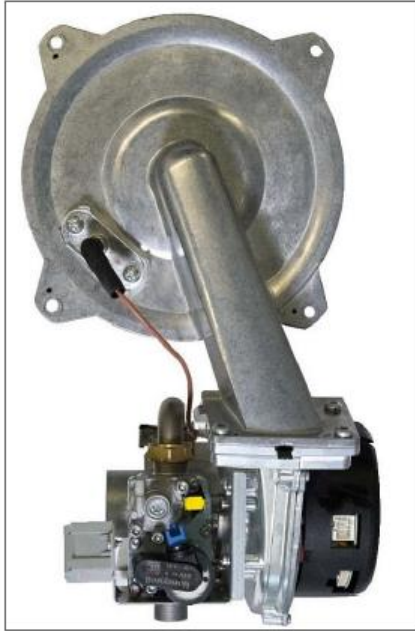
7 Sarim Maxi Condense 48 kW



9 Sarim Maxi Condense 65 kW

- Each plate consists of 4 spiral coils made of stainless steel.
- Effective heat transfer and boiling noise are prevented by flattened spiral tubes..
- The risk of calcification is minimized by the fact that the water circulates by creating vortices.
- Fully complies with ErP standard requirements.

# Thermo-Compact Module



Maxi Condense 48 kW Thermo Compact Module



Maxi Condense 65 kW Thermo Compact Module

## Components of the thermo-compact module of Maxi Condense devices

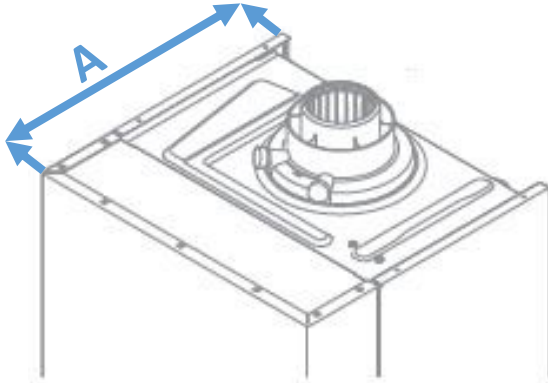
- Burner
- Ignition Electrode
- Ignition Transformer
- Fan
- Gaz valve
- Venturi and Blend Pipe



Installation and Delivery Contents



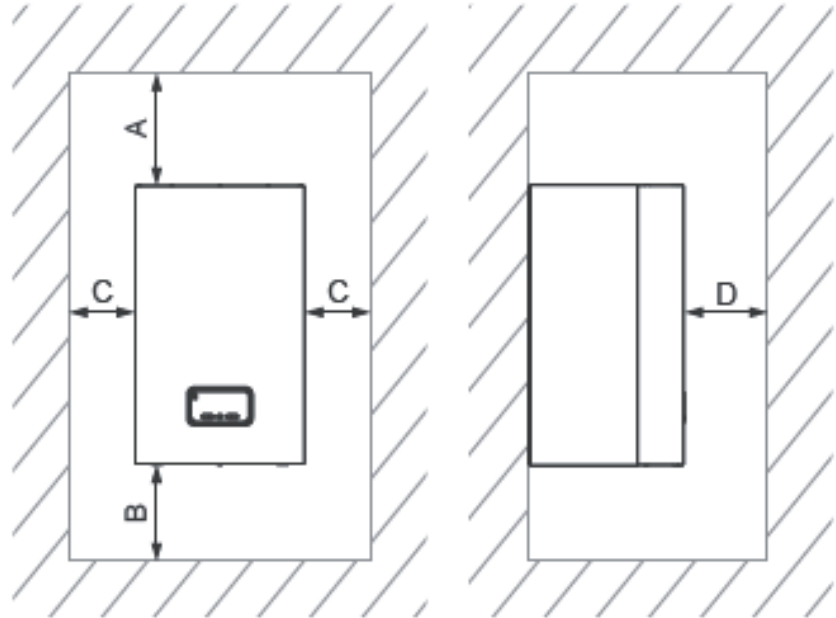
# Maxi Condense 48 / 65 Dimensiones



Dimencion – A	
Maxi Condense 48	405 mm
Maxi Condense 65	473 mm
WEIGHT	
Maxi Condense 48	37,8 Kg
Maxi Condense 65	47,2 Kg

# Maxi Condense 48 / 65 Minimum Distances

Maxi Condense	Minimum Distance
A	275 mm (CASCADE: 450 mm)
B	250 mm
C	5 mm, suggestion 50 mm
D	500 mm; Distance from front to service

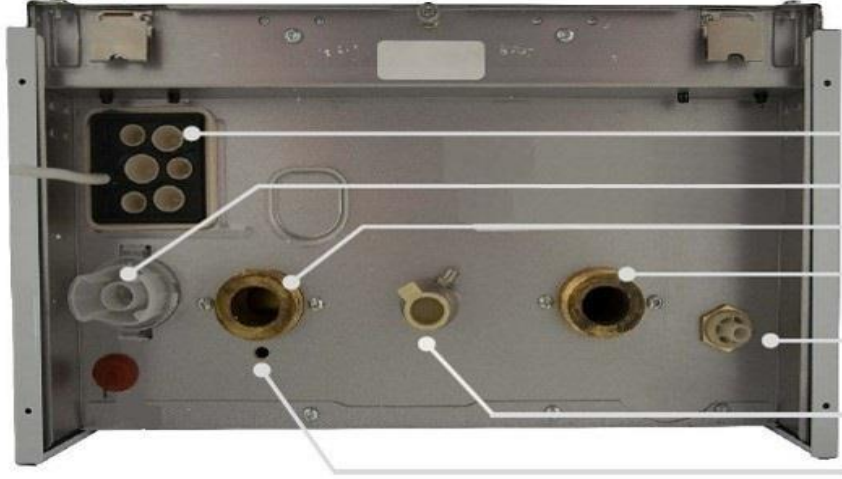


# Accessories Delivery Contents

- Heating Device (Boiler)
- Device hanger with screws and dowels
- Documentation
- Condensation water outlet hose.
- Hydraulic connections for return



# Maxi Condense 48 / 65 Bottom view of the boiler



Kablo geişleri

Yoęuşma suyu tahliye baęlantısı

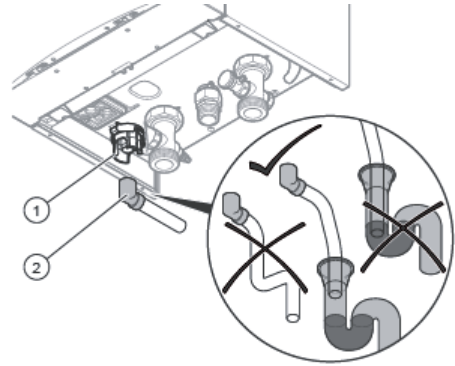
Isıtma devresi gidiş baęlantısı

Isıtma devresi dönüş baęlantısı

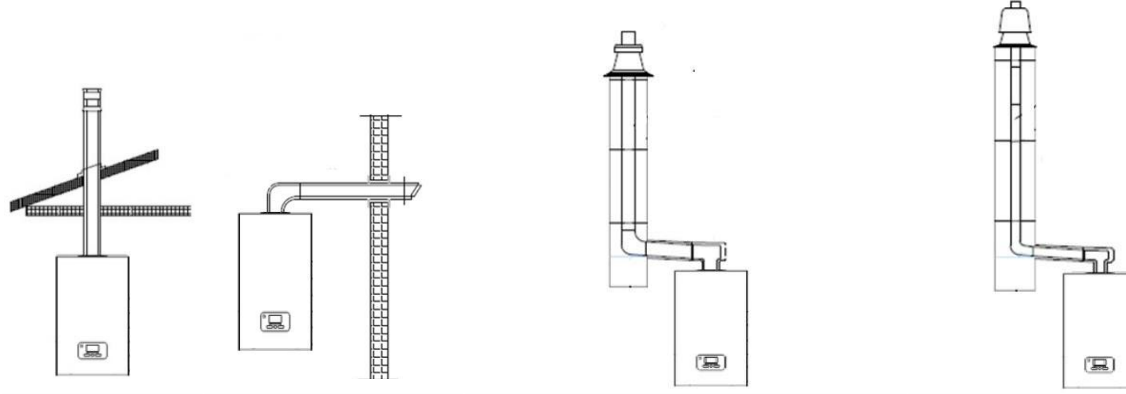
Yaęmur suyu tahliye baęlantısı

Test nipelli gaz baęlantısı

Hava ayırıcı gider baęlantısı



# Maxi Condense Series Chimney Connection Limits



	Dikey Çıkış Ø 80/125	Yatay Çıkış Ø 80/125	Dış Ortama Bağımlı Ø 80/125 Şaft içi Atık Gaz Ø 80	İç Ortama Bağımlı Ø 80/125 Şaft içi Atık Gaz Ø 80
<b>Maxi Condense 48 kW</b>	21 m dirseksiz	18 m + 1 dirsek	19 m + 1 dirsek Şaft çapı= 130 mm	33 m + 3 Dirsek + 1 Baca dönüş dirseği
<b>Maxi Condense 65 kW</b>	18 m dirseksiz	15m + 1 dirsek	16 m + 1 dirsek Şaft çapı= 130 mm	33 m + 3 Dirsek + 1 Baca dönüş dirseği



Accessories and Connections

# Maxi Condense Series / Accessories required for mounting

Service Valve  
0020262040



**1 ¼ It is the mandatory accessory to be used in every product.**

# Maxi Condense Series / Accessories required for mounting

3 Way Valve (230 V)  
0020174088



The valve allows switching between domestic hot water and heating position.

Not: Other valves are not compatible due to noise and flow problems



# Accessories / Controllers

MiPro  
0020231574



- Time program for recirculation
- Outdoor air sensor
- Room temperature can be controlled as modulated or on-off
- Time settings for central heating
- Frost Protection Function
- Room thermostat and program control must be located in the place to be heated.
- It allows cascade up to 7 winners.

# Accessories / Controllers

MiPro Remote  
0020231582



- Used with MiPro.
- Room temperature adjustable for each zone.
- Target room temperature adjustable.

# Accessories / Controllers

Red 3  
0020231765



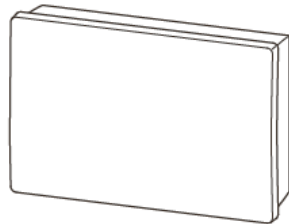
- Used with MiPro.
- Heating circuit control with 2 mixers
- 1 solar power and 1 direct circuit control
- Boiler control

Red 5  
0020231772



- Used with MiPro.
- Heating circuit control with 3 mixers
- 1 solar power and control with up to 3 mixers
- Boiler control

Interface Card  
0020231805



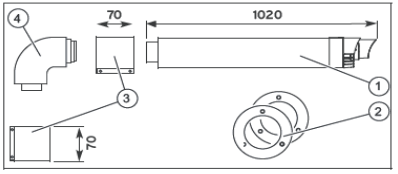
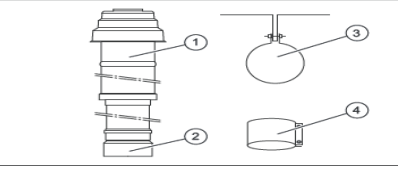
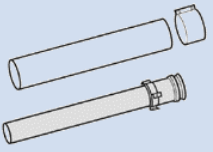
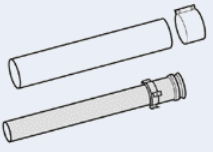
- Should be used In each cascade system, there are 1 missing from the number of devices.

Waste gas flap  
0020262041

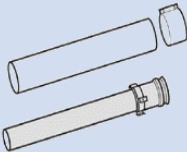





**Manuel Flap 80 mm**


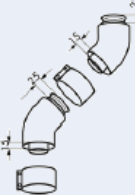


# Accessories / Type C Chimney Accessories

Code	Description	View	Explanation
0020268001	Horizontal Chimney Outlet Set	 <p>1 Yatay duvar/çatı geçişi 3 70 mm'lik kelepçe (2 x) 2 Duvar rozeti Ø 125 (2 x) 4 87° dirsek</p>	C13 Used for mounting type chimneys.
0020268028	Vertical Flue Outlet Set	 <p>1 Dikey çatı geçişi 3 Sabitleme kelepçesi 2 Ø 110/125 için adaptör (hava) 4 70 mm'lik hava borusu kelepçesi</p>	C33 is a set of accessories for mounting type chimneys.
0020268010	Extension Pipe DN 80/125 0,5 m		It is a 0.5 meter long accessory used to extend the distance required for the flue outlet.
0020268012	Extension Pipe DN 80/125 1 m		It is a 1 meter long accessory used to extend the distance to the flue outlet.

# Accessories / Type C Chimney Accessories

Code	Description	View	Explanation
0020268014	Extension Pipe DN 80/125 2 m		It is a 2 meter long accessory used to extend the distance required for the flue outlet.
0020268029	Extension Pipe DN80 0,5 m		Chimney in the flue is the extension of the chimney..
0020268030	Extension Pipe DN80 1 m		Chimney in the flue is the extension of the chimney.
0020268031	Extension Pipe DN80 2 m		Chimney in the flue is the extension of the chimney.

# Accessories / Type C Chimney Accessories

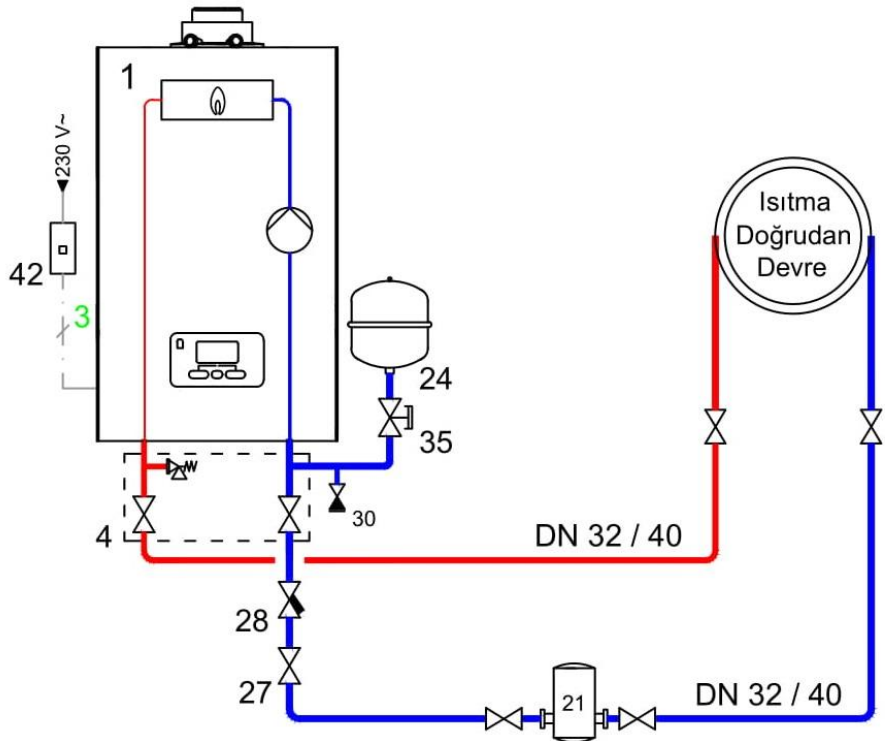
Code	Description	View	Explanation
0020268002	87° Dirsek DN80/125		Baca montajında gerekli olan dönüşleri gerçekleştirmek için kullanılan 87° aksesuardır.
0020268003	45° Dirsek DN80/125		Baca montajında gerekli olan dönüşleri gerçekleştirmek için kullanılan 45° aksesuardır. Paket içeriği 2 adettir.
0020268018	Baca Kelepçesi DN125		Uzatma bacası kullanıldığında her bağlantı noktasında bacayı sağlamlaştırmak için kullanılan aksesuardır. Paket içeriği 5 adettir.
0020272120	Baca İçi Mesafe Koruyucu		İç baca bağlantılarında şaft içinde plastik bacanın iç şafta sabitlenmesini sağlar. Paket içeriği 7 adettir.



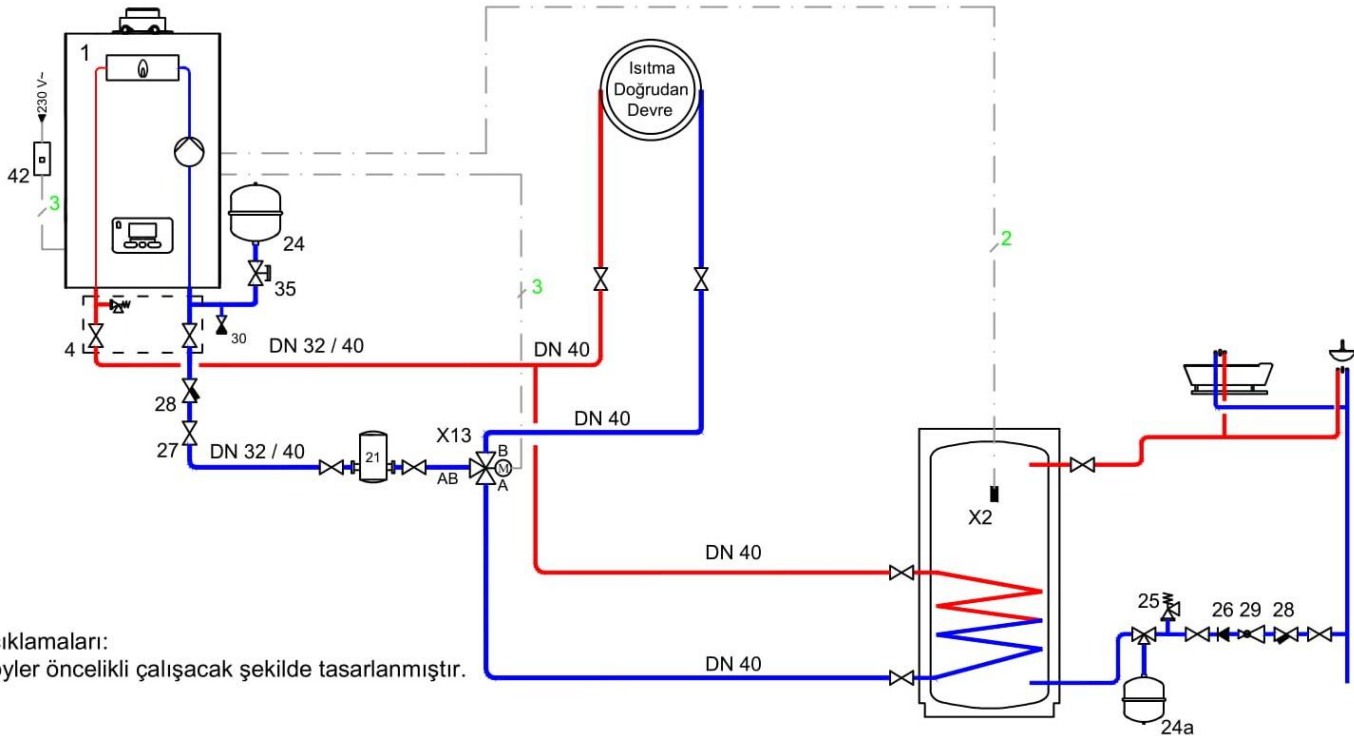
Kaskad Device Diagrams



# 1 x Maxi Condense 48 - 65 kW / Heating Circuit



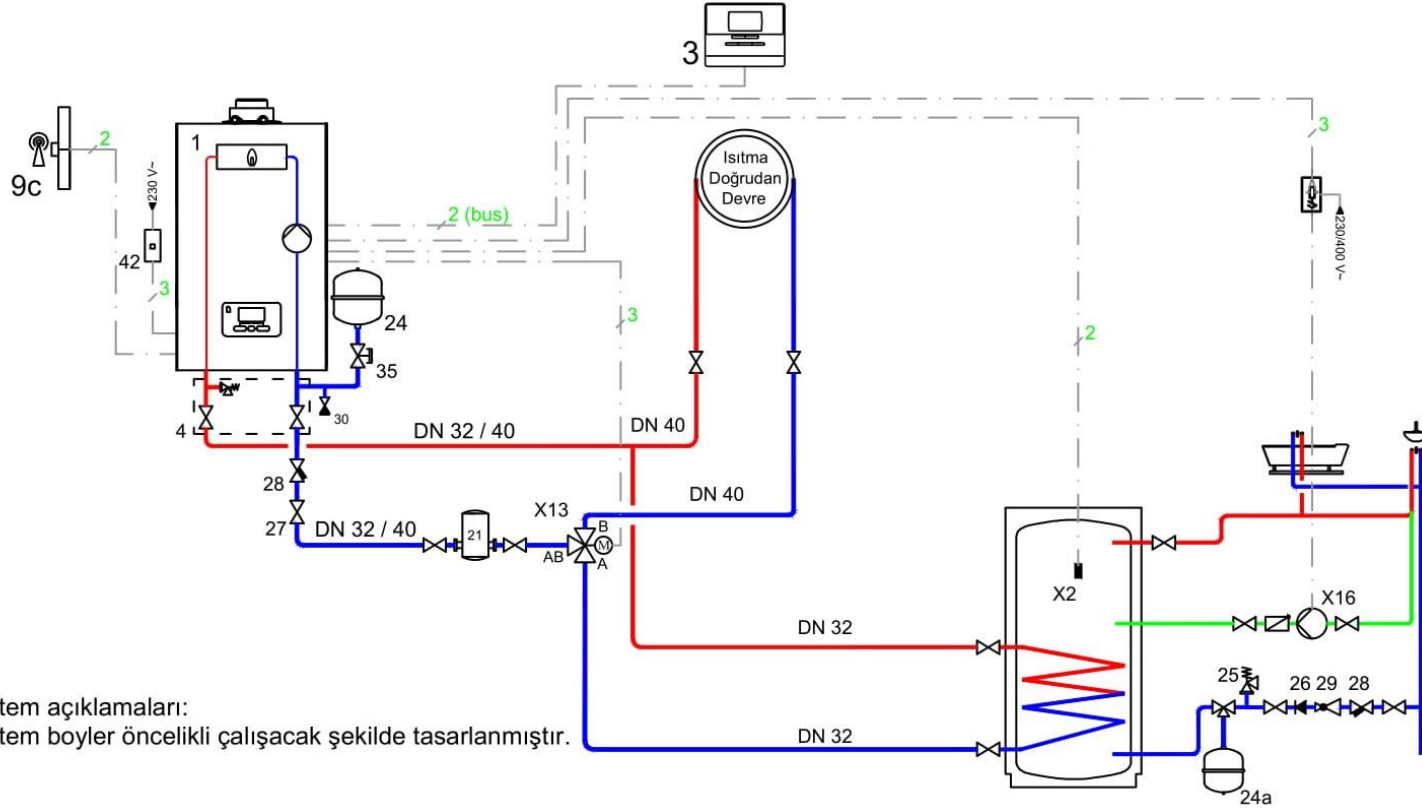
# 1 x Maxi Condense 48 - 65 kW / Heating + Boiler Circuit



NO	Explanation
X13	3-way valve on-off spring return
X2	Boiler Sensor

Sistem açıklamaları:  
Sistem boiler öncelikli çalışacak şekilde tasarlanmıştır.

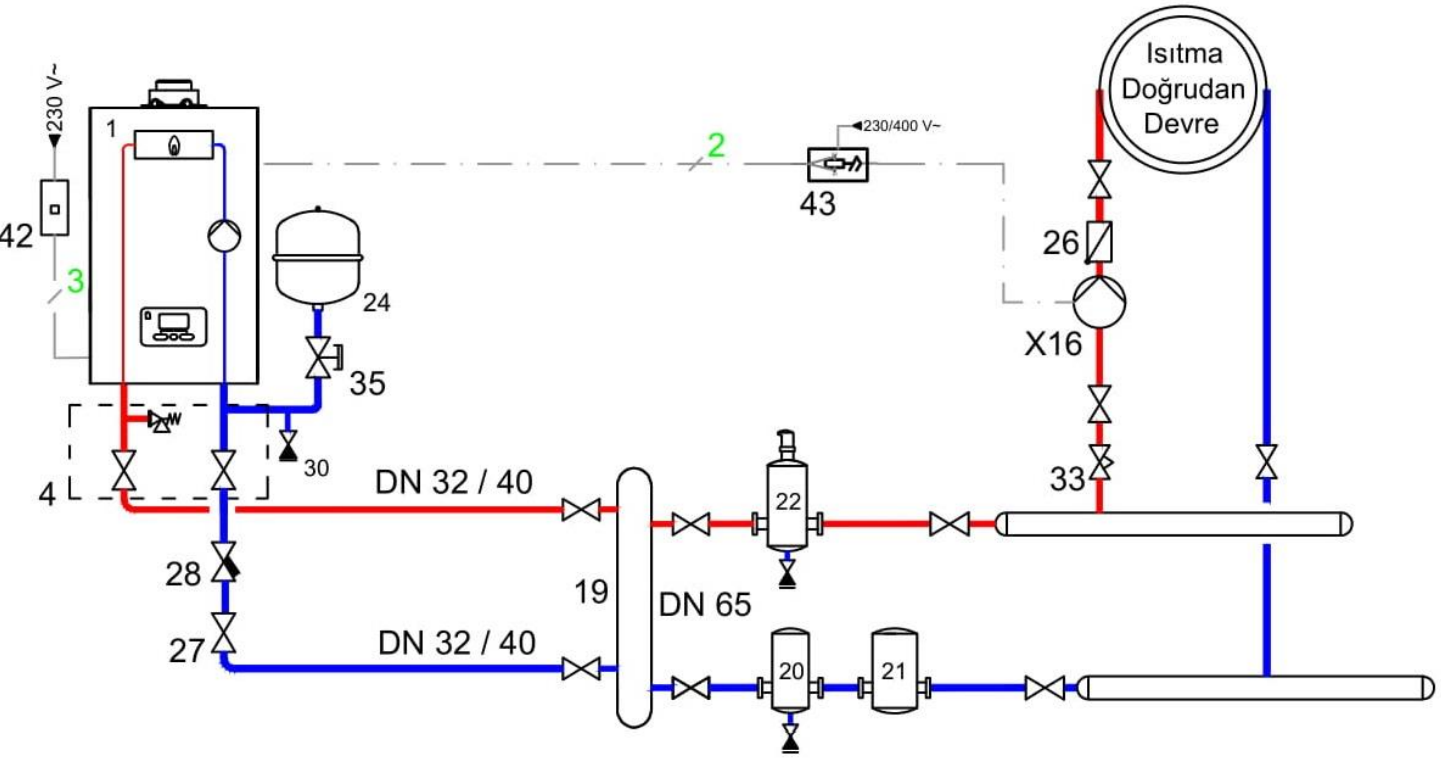
# 1 x Maxi Condense 48 - 65 kW / Heating + Boiler Circuit



NO	Explanation
X13	3-way valve on-off spring return
X2	Boiler Sensor
X16	Recirculation Pump
3	MiPro control panel
9c	Outdoor air sensor

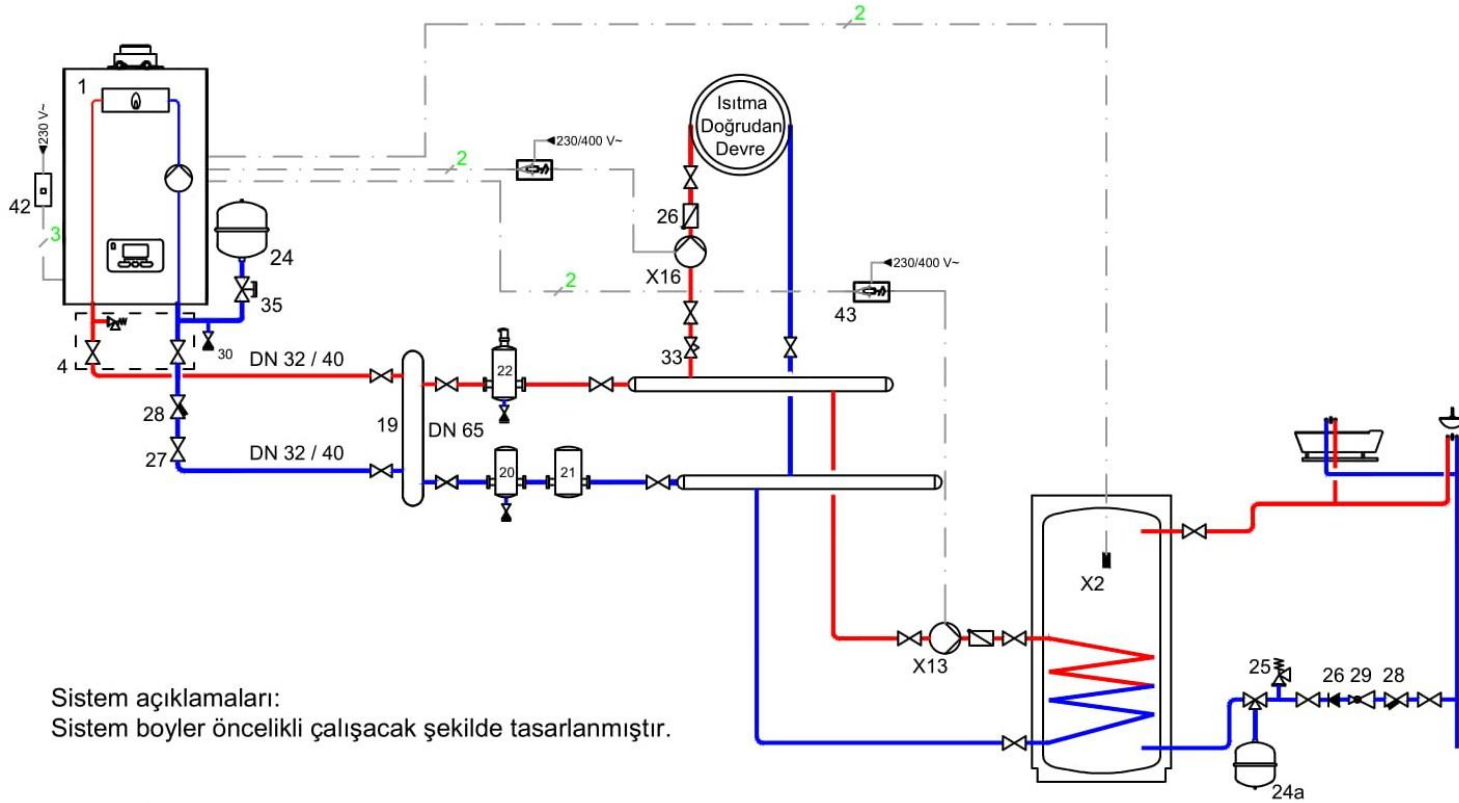
Sistem açıklamaları:  
Sistem boiler öncelikli çalışacak şekilde tasarlanmıştır.

# 1 x Maxi Condense 48 - 65 kW / Heating



NO	Explanation
X16	Heating Circulation Pump

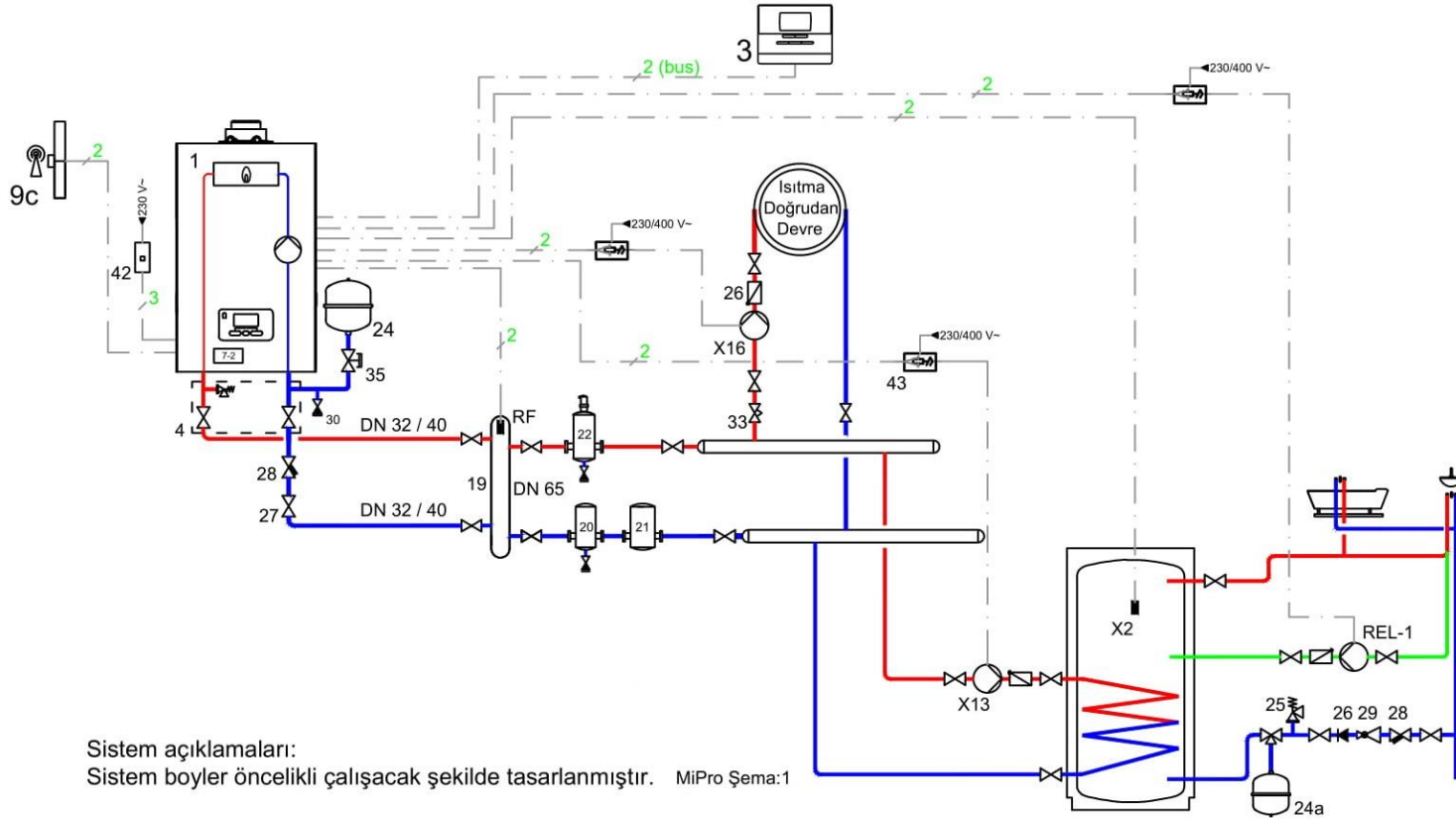
# 1 x Maxi Condense 48 - 65 kW / Heating + Boiler Circuit



Sistem açıklamaları:  
Sistem boiler öncelikli çalışacak şekilde tasarlanmıştır.

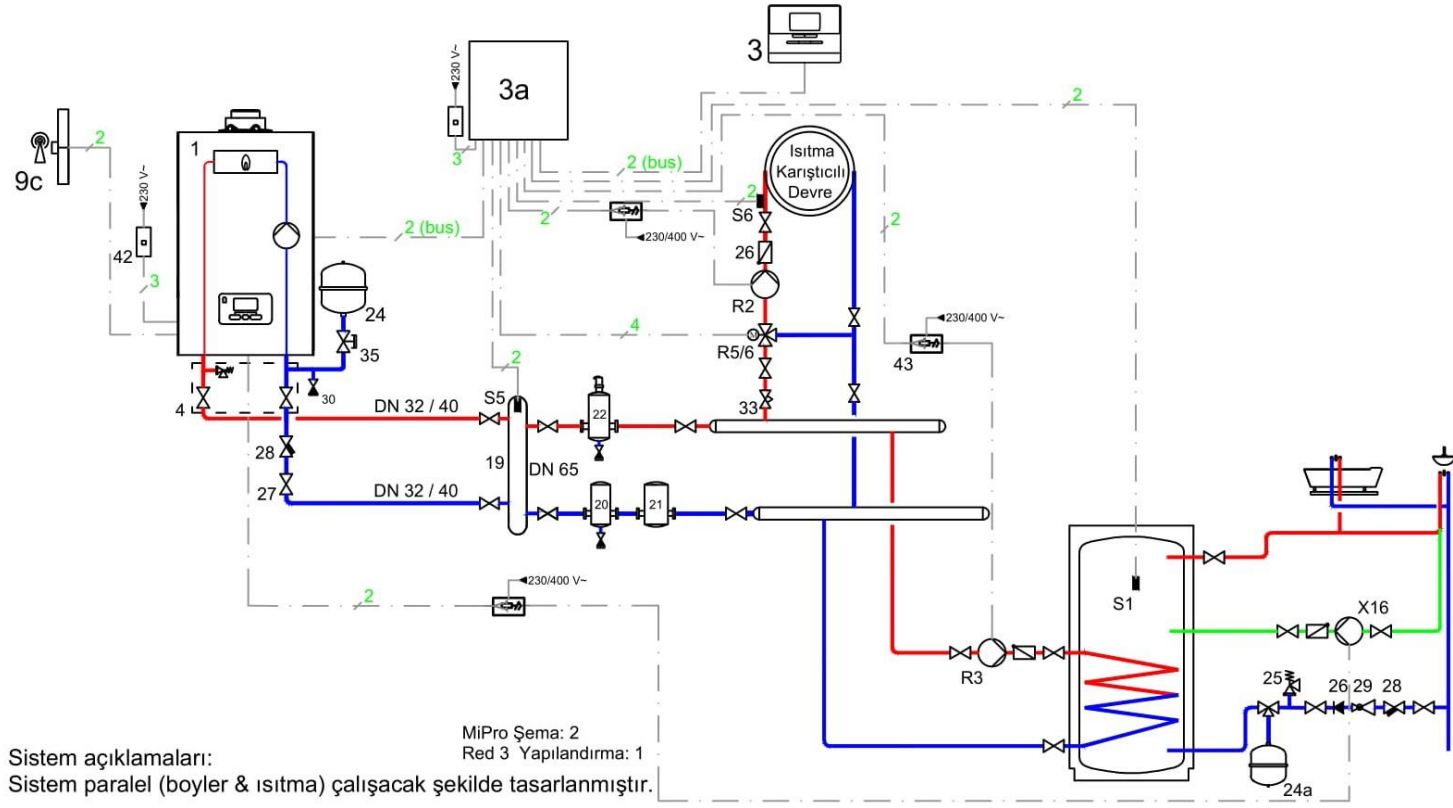
NO	Explanation
X16	Heating Circulation Pump
X13	Boiler Heating Pump
X2	Boiler Sensor

# 1 x Maxi Condense 48 - 65 kW / Heating + Boiler Circuit



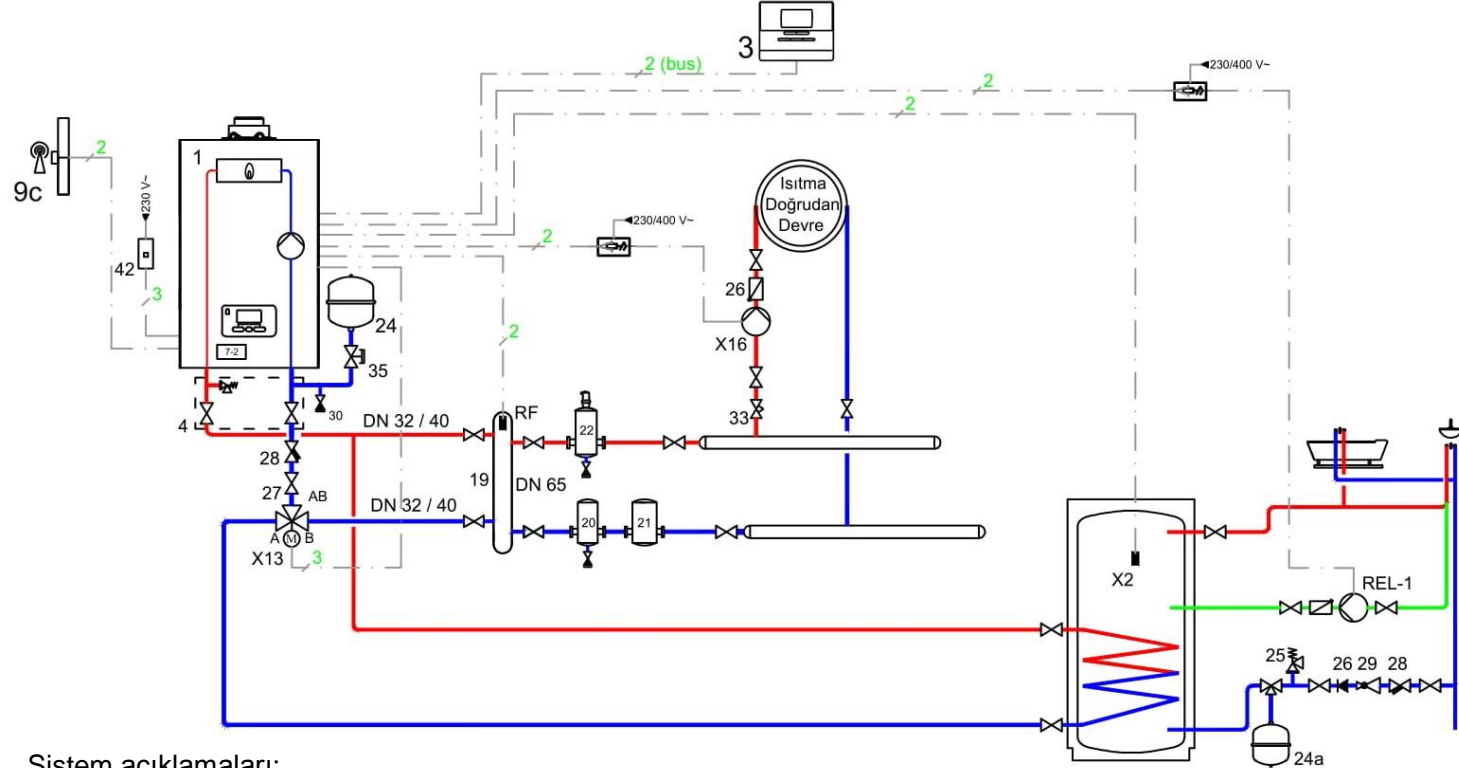
NO	Explanation
X16	Heating Circulation Pump
X13	Boiler Heating Pump
X2	Boiler Sensor
REL-1	Boiler Recirculation Pump
RF	Heating Inlet Water Temp. Sensor
3	MiPro Control Panel
9c	Outdoor air sensor

# 1 x Maxi Condense 48 - 65 kW / Stirrer Type + Boiler Circuit



NO	Explanation
3	MiPro Control Panel
3a	Red - 3 Mixer Module
R2	Heating Circuit Pump with Mixer
R3	Boiler Heating Pump
R5/6	3-Way Mixer Valve
X16	Boiler Recirculation Pump
S1	Boiler Sensor
S5	Flow Water Temperature Sensor
S6	Heating Circuit Temperature Sensor

# 1 x Maxi Condense 48 - 65 kW / Heating + Boiler Circuit

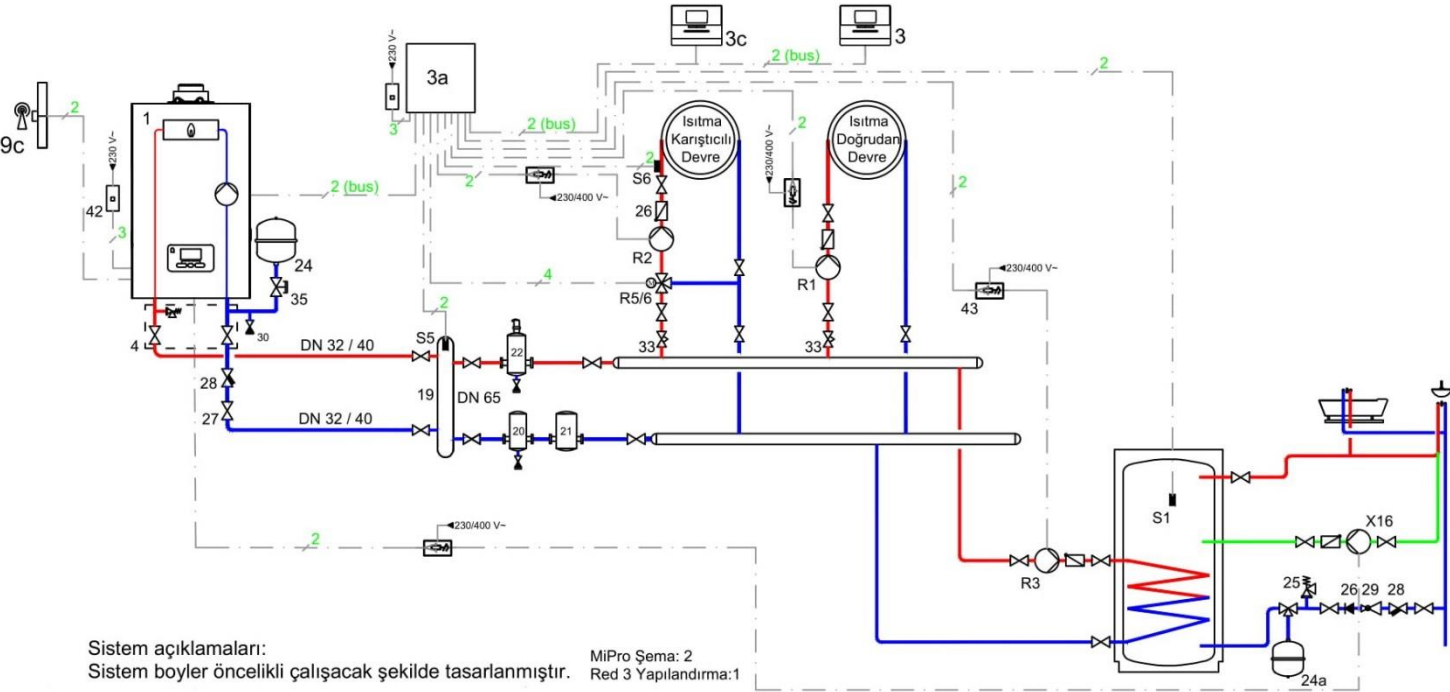


NO	Explanation
X16	Heating Circulation Pump
X13	3-way valve on-off spring return
X2	Boiler Sensor
REL-1	Boiler Recirculation Pump
RF	Heating Inlet Water Temp. Sensor
3	MiPro Control Panel
9c	Outdoor air sensor

Sistem açıklamaları:  
Sistem boiler öncelikli çalışacak şekilde tasarlanmıştır.



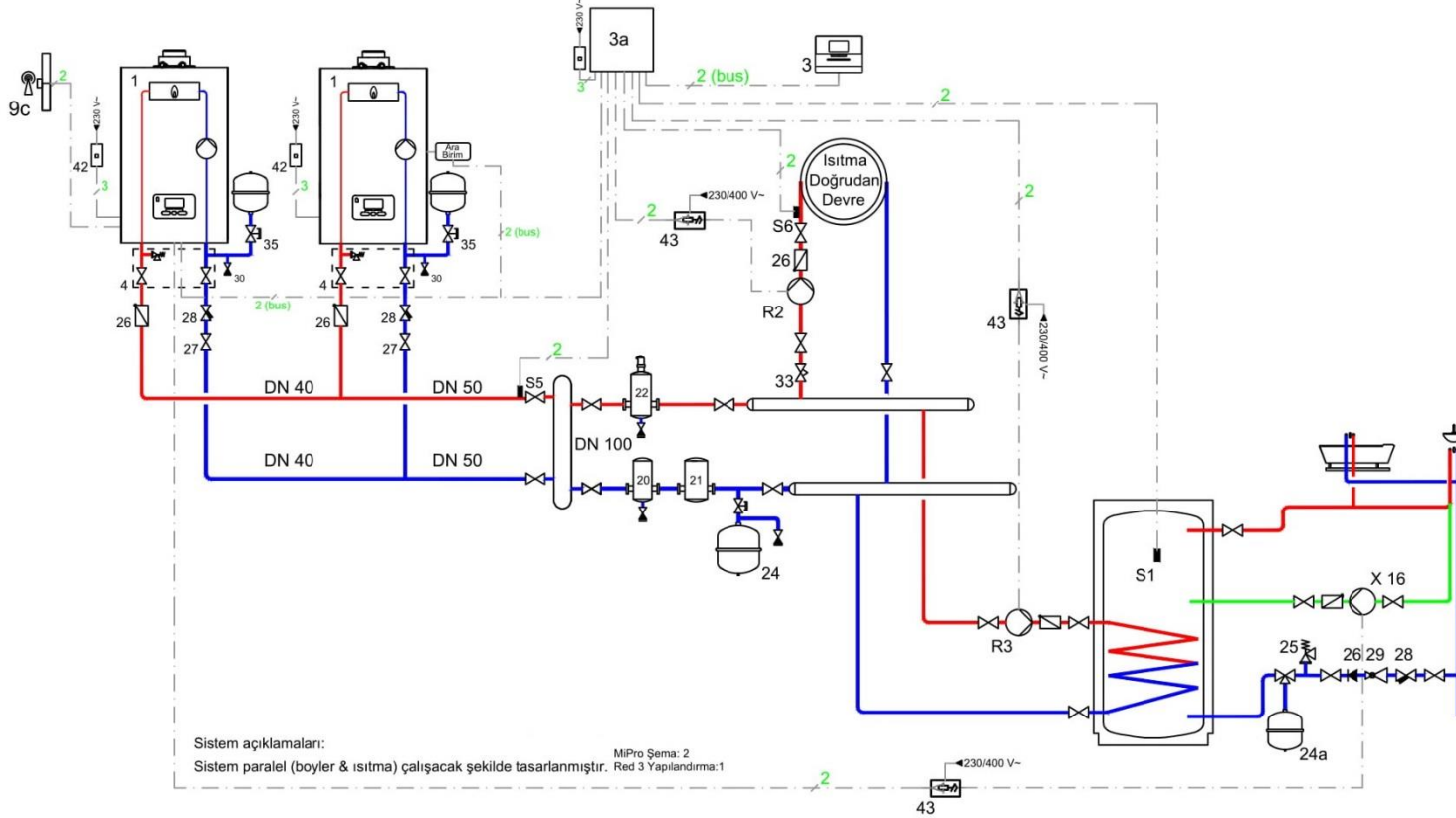
# 1 x Maxi Condense 48 - 65 kW / Directly + Stirrer Type + Boiler Circuit



Sistem açıklamaları:  
Sistem boiler öncelikli çalışacak şekilde tasarlanmıştır.

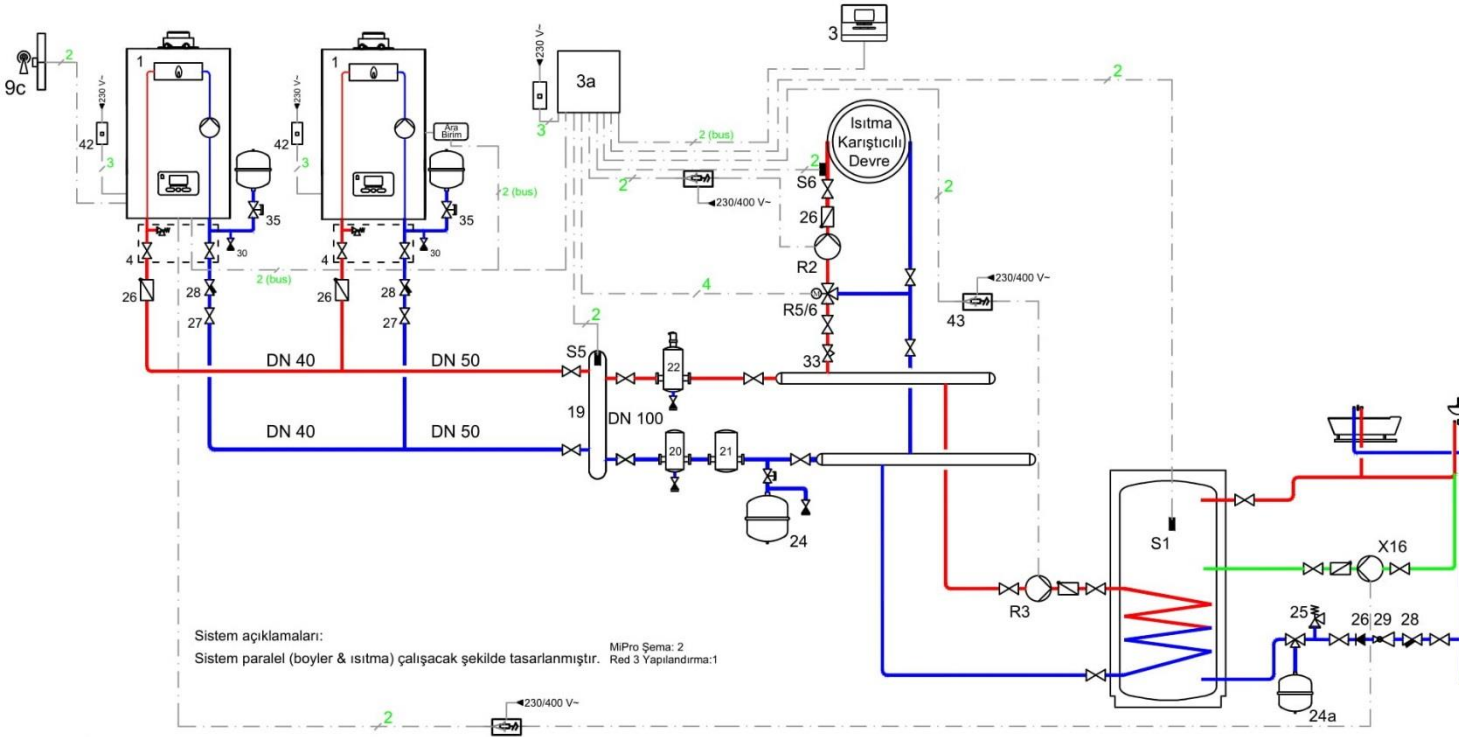
NO	Explanation
3	MiPro control panel
3c	MiPro Remote Control
3a	Red - 3 Stirrer Module
R1	Direct Circuit Heating Pump
R2	Heating Circuit Pump with Stirrer
R3	Boiler Heating Pump
R5/6	3-Way Stirrer Valve
X16	Boiler Recirculation Pump
S1	Boiler Sensor
S5	Flow Water Temperature Sensor
S6	Heating Circuit Temperature Sensor

## 2 x Maxi Condense 48 - 65 kW / Direct Circuit + Boiler Circuit



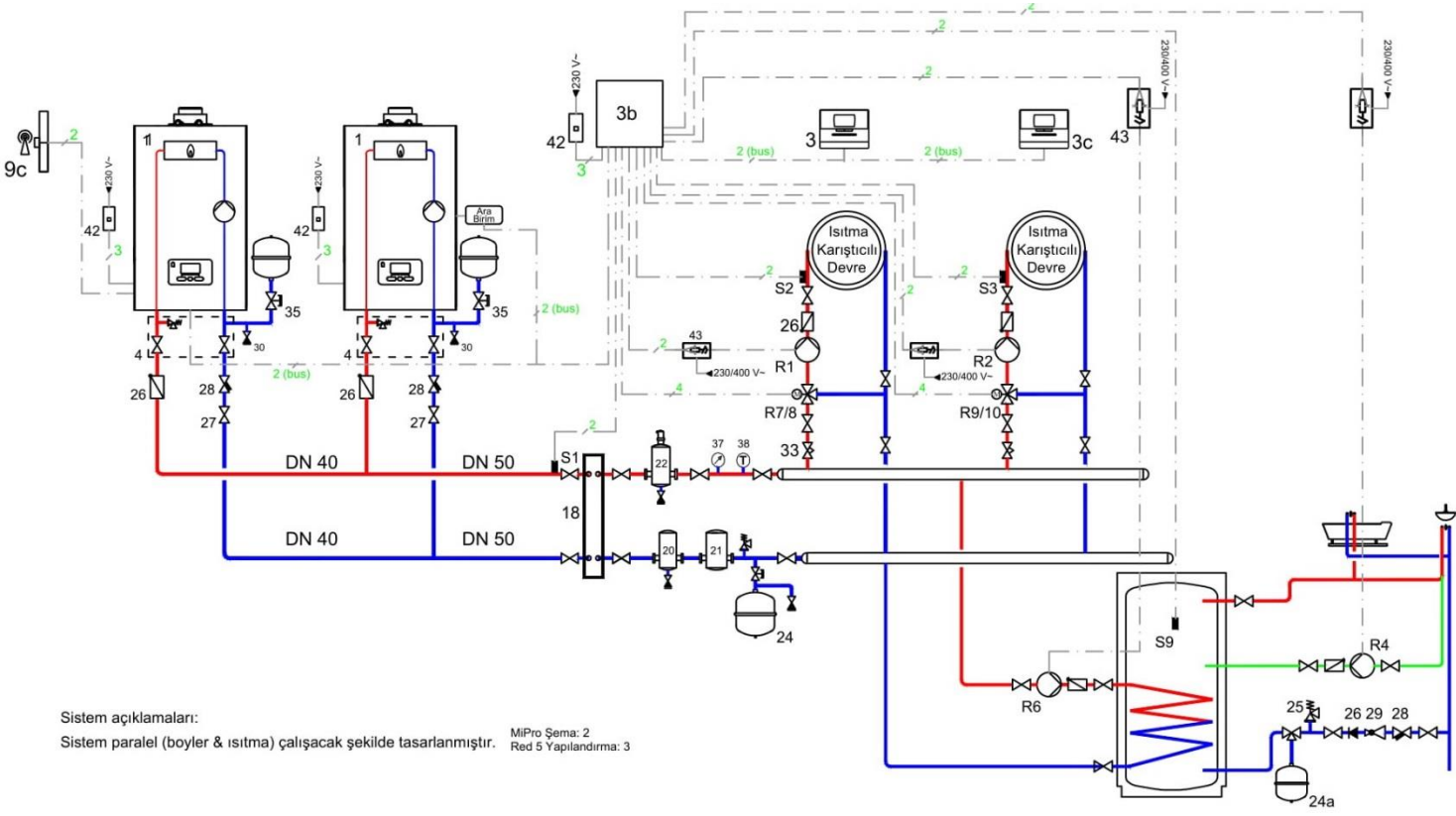
NO	Explanation
3	MiPro control panel
3a	Red - 3 Stirrer Module
X 16	Recirculation Pump
R2	Heating Circuit Pump with Stirrer
R3	Boiler Heating Pump
S5	Flow Water Temperature Sensor
S1	Boiler Heating Pump
S6	Flow Water Temperature Sensor

## 2 x Maxi Condense 48 - 65 kW / Stirrer Type + Boiler Circuit



NO	Explanation
3	MiPro control panel
3a	Red - 3 Stirrer Module
X 16	Recirculation Pump
R2	Heating Circuit Pump with Stirrer
R5/6	3-Way Stirrer Valve
R3	Boiler Heating Pump
S5	Flow Water Temperature Sensor
S1	Boiler Heating Pump
S6	Heating Circuit Temperature Sensor

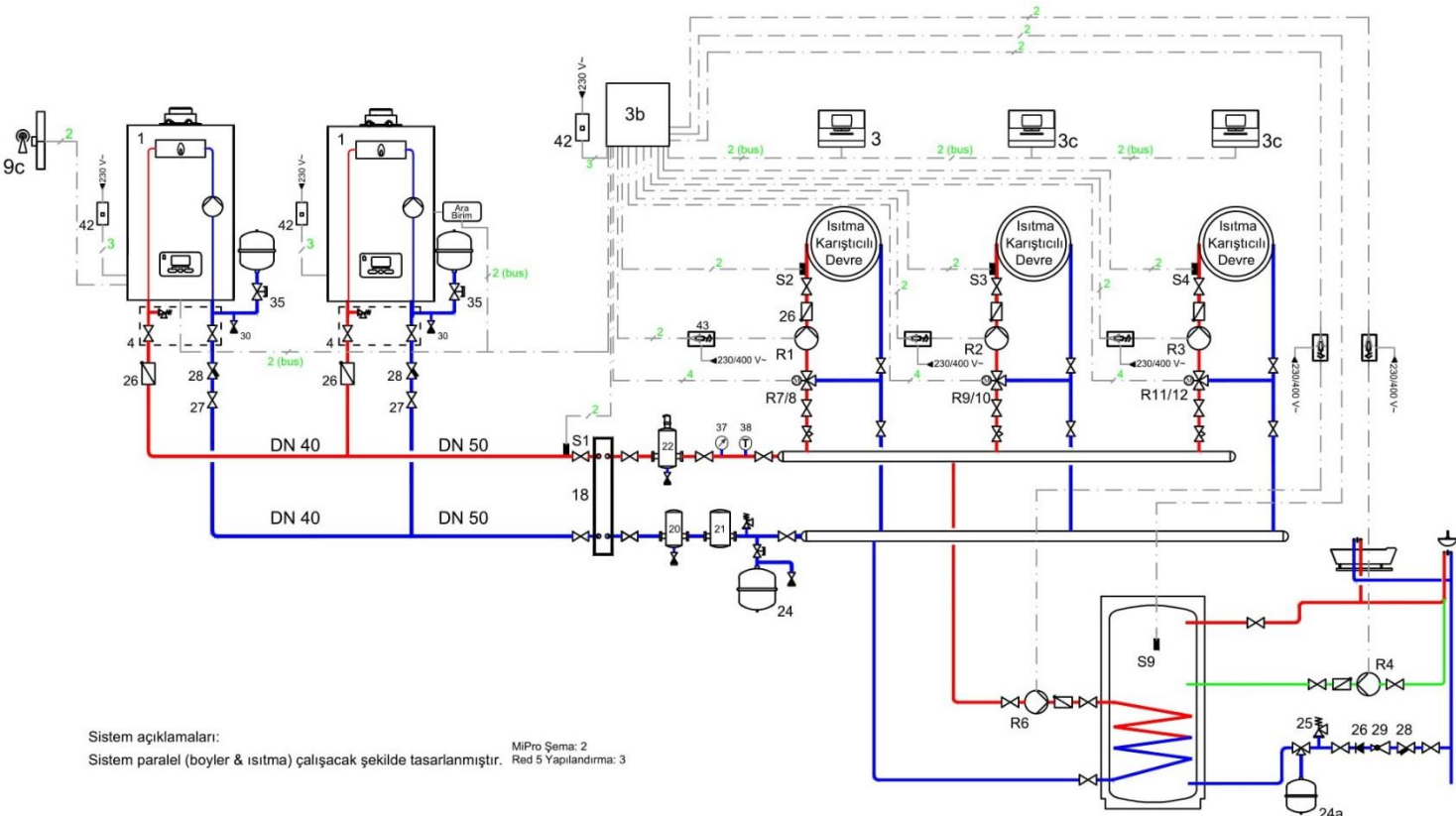
# 2 x Maxi Condense 48 - 65 kW / 2 x Stirrer Type + Boiler Circuit



Sistem açıklamaları:  
 Sistem paralel (boiler & ısıtma) çalışacak şekilde tasarlanmıştır. MiPro Şema: 2  
 Red 5 Yapılandırma: 3

NO	Explanation
3	MiPro control panel
3c	MiPro Remote Control
3b	Red - 5 Stirrer Module
R1	Heating Circuit Pump with Stirrer
R2	Heating Circuit Pump with Stirrer
R7/8	3-Way Stirrer Valve
R6	Boiler Heating Pump
R9/10	3-Way Stirrer Valve
S1	Flow Water Temperature Sensor
S2	Heating Circuit Temperature Sensor
S3	Heating Circuit Temperature Sensor
R4	Boiler Recirculation Pump
S9	Boiler Sensor

# 2 x Maxi Condense 48 - 65 kW / 3 x Stirrer Type + Boiler Circuit

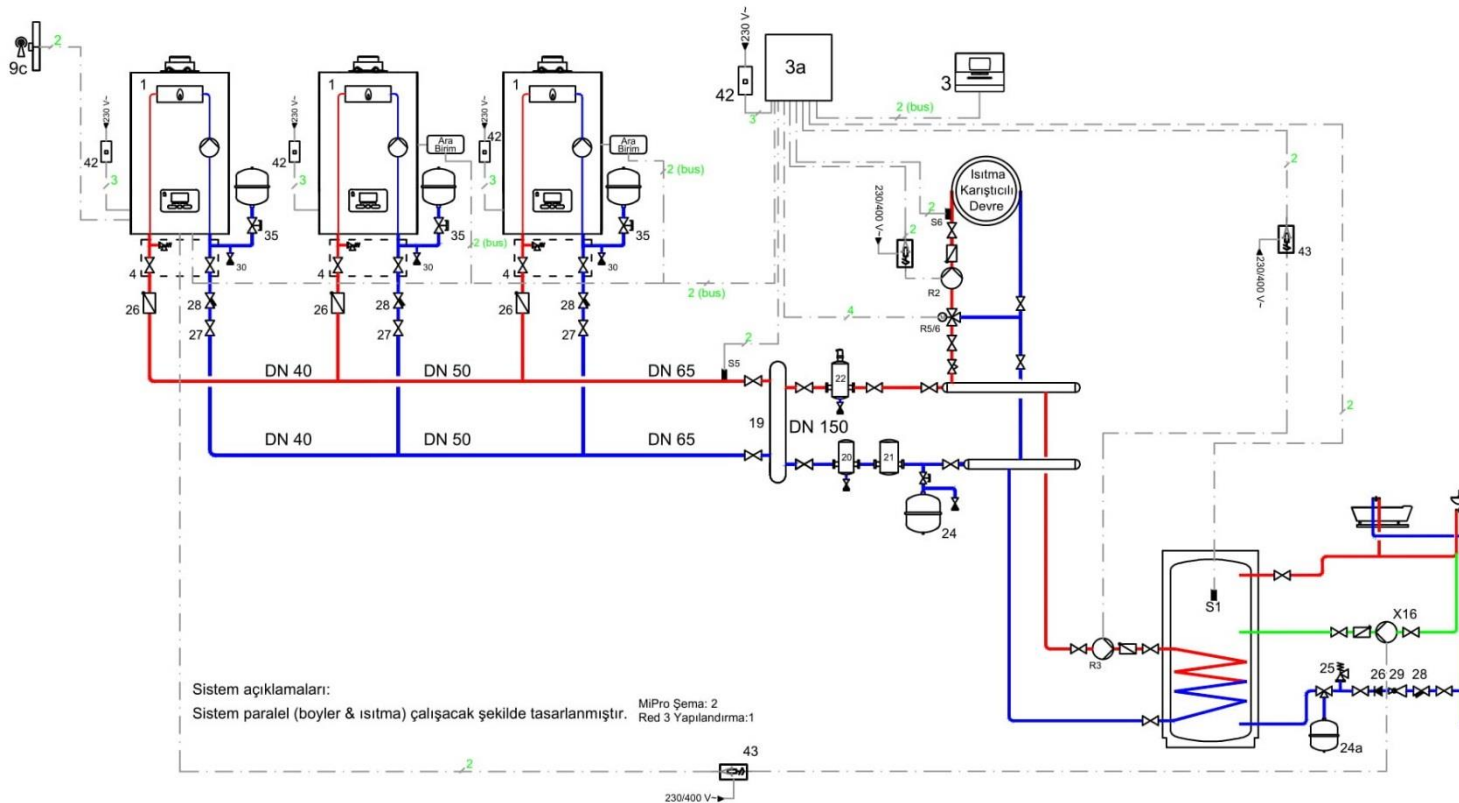


Sistem açıklamaları:  
 Sistem paralel (boiler & ısıtma) çalışacak şekilde tasarlanmıştır. Red 5 Yapılandırma: 3

MiPro Sema: 2

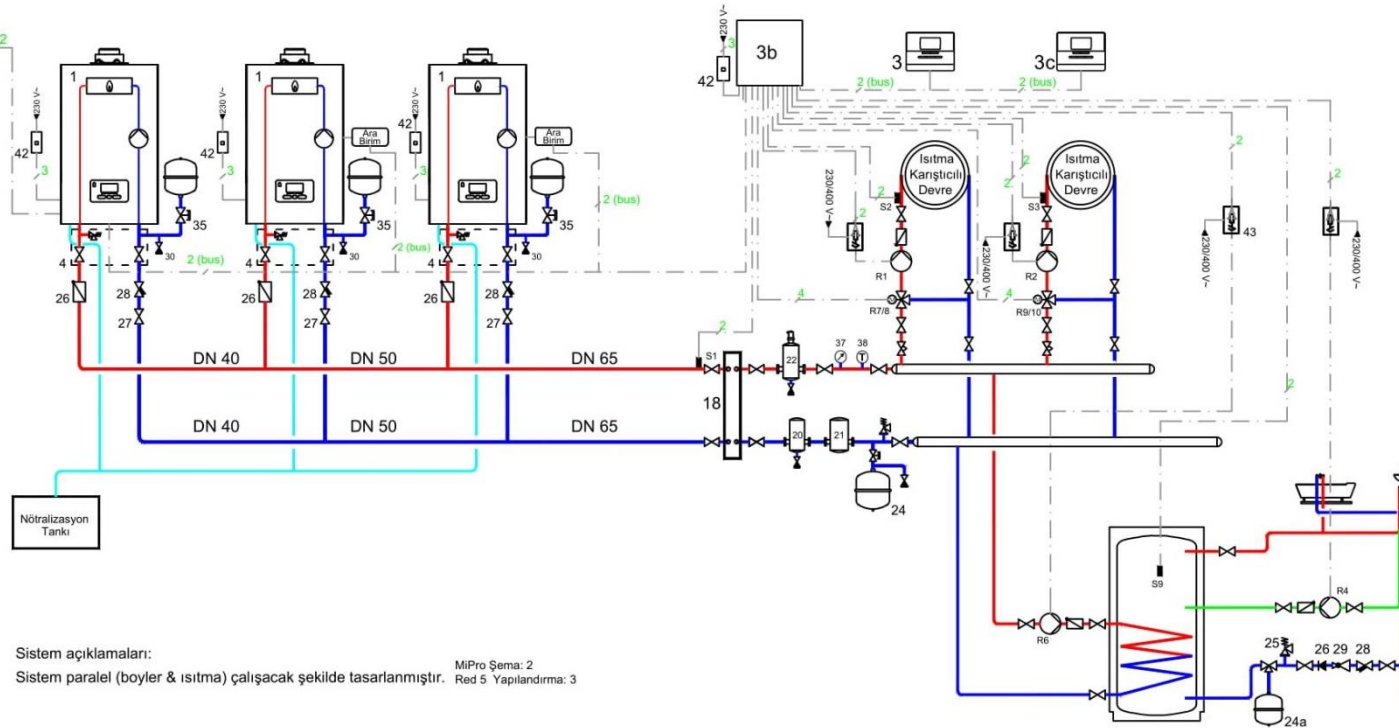
NO	Explanation
3	MiPro control panel
3c	MiPro Remote Control
3b	Red - 5 Stirrer Module
R1	Heating Circuit Pump with Stirrer
R2	Heating Circuit Pump with Stirrer
R3	Heating Circuit Pump with Stirrer
R6	Boiler Heating Pump
R9/10	3-Way Stirrer Valve
R7/8	3-Way Stirrer Valve
S1	Flow Water Temperature Sensor
S2	Heating Circuit Temperature Sensor
S3	Heating Circuit Temperature Sensor
S4	Heating Circuit Temperature Sensor
S9	Boiler Heating Sensor
R4	Boiler Recirculation Pump
R11/12	3-Way Stirrer Valve

# 3 x Maxi Condense 48 - 65 kW / Stirrer Type + Boiler Circuit



NO	Explanation
3	MiPro control panel
R2	Heating Circuit Pump with Stirrer
R3	Boiler Heating Pump
R5/R6	3-Way Stirrer Valve
X16	Boiler Recirculation Pump
S5	Flow Water Temperature Sensor
S1	Boiler Heating Sensor
S6	Heating Circuit Temperature Sensor
3a	Red - 3 Stirrer Module

# 3 x Maxi Condense 48 - 65 kW / 2 x Stirrer Type + Boiler Circuit



Sistem açıklamaları:

Sistem paralel (boiler & ısıtma) çalışacak şekilde tasarlanmıştır. Red 5 Yapılandırma: 3

MiPro Şema: 2

Red 5 Yapılandırma: 3

NO	Explanation
3	MiPro control panel
R1	Heating Circuit Pump with Stirrer
R2	Heating Circuit Pump with Stirrer
R6	Boiler Heating Pump
R4	Boiler Recirculation Pump
VF1	Flow Water Temperature Sensor
S9	Boiler Temperature Sensor
S2	Heating Circuit Temperature Sensor
S3	Heating Circuit Temperature Sensor
R 7/8	3-Way Stirrer Valve
R 9/10	3-Way Stirrer Valve
3b	Red - 5 Stirrer Module
3a	MiPro Remote Remote Control Module



Thanks...