

# HYDRAULIC ARMATURE

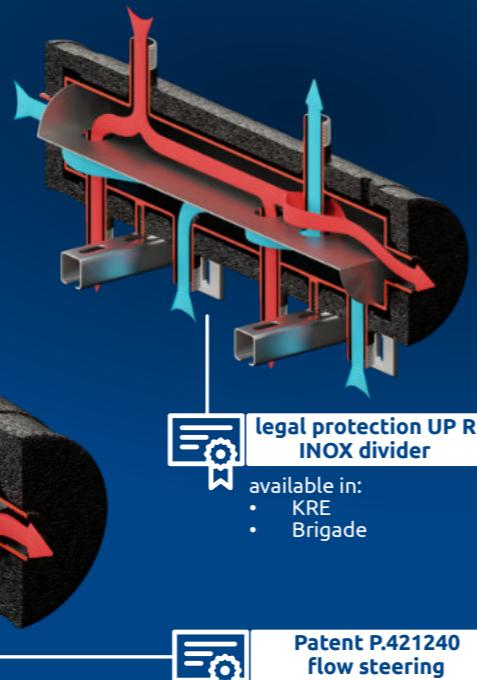
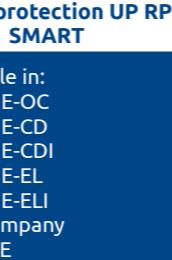
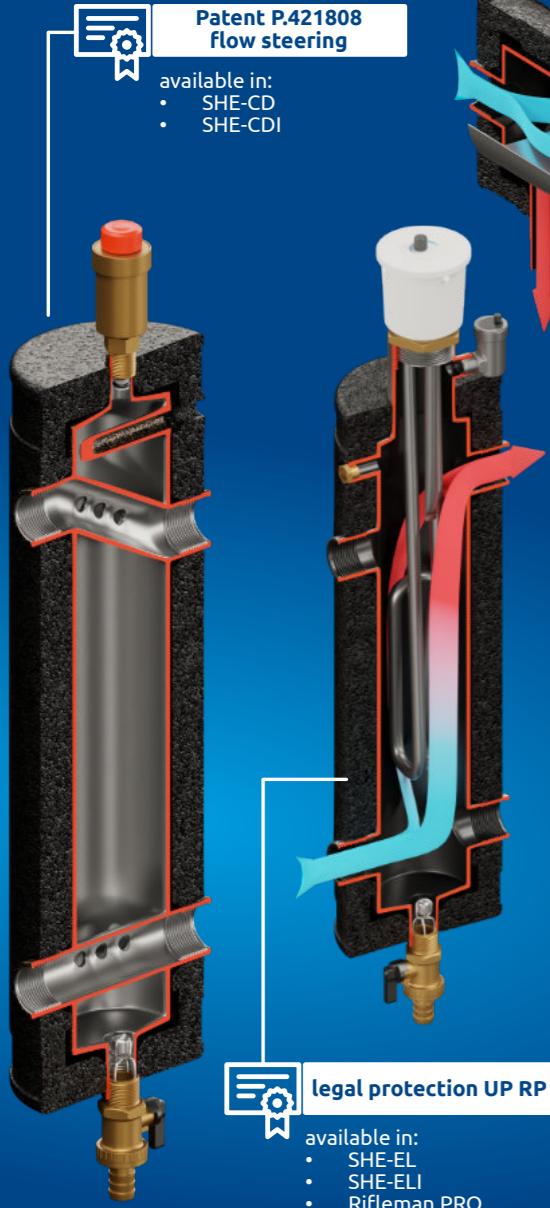


Grzejemy jak Kawaleria®

KATALOG 2021



# Patents, legal protection utility model



# Legends



**Measuring pipe**  
Necessary for proper temperature read



**Measuring pipe**  
Necessary for proper temperature read



**Air vent and drain valve**  
Ensures effective deaeration. Allows fill up/ release water in the central heating system



**Adaptation set**  
Complete with SKE - allows you to work in 4 positions



**Extension set**  
(OPTION) applies to SKE - possibility connecting an additional circuit pump



**EPP insulation**  
reduces heat loss



**Neodymium magnetic separator**  
Captures impurities ferromagnetic in the central heating installation



**Mounting profile**  
facilitates mounting to the wall



**flow steering**  
W komplecie z SKE - zalety patrz str. 22



**flow steering**  
available in SKE – advantages see page 22



**INOX divider**  
available in KRE – advantages see page 16



**Mounting bracket**  
Facilitates mounting to the wall



**Rotary device**  
Ability to work in several positions



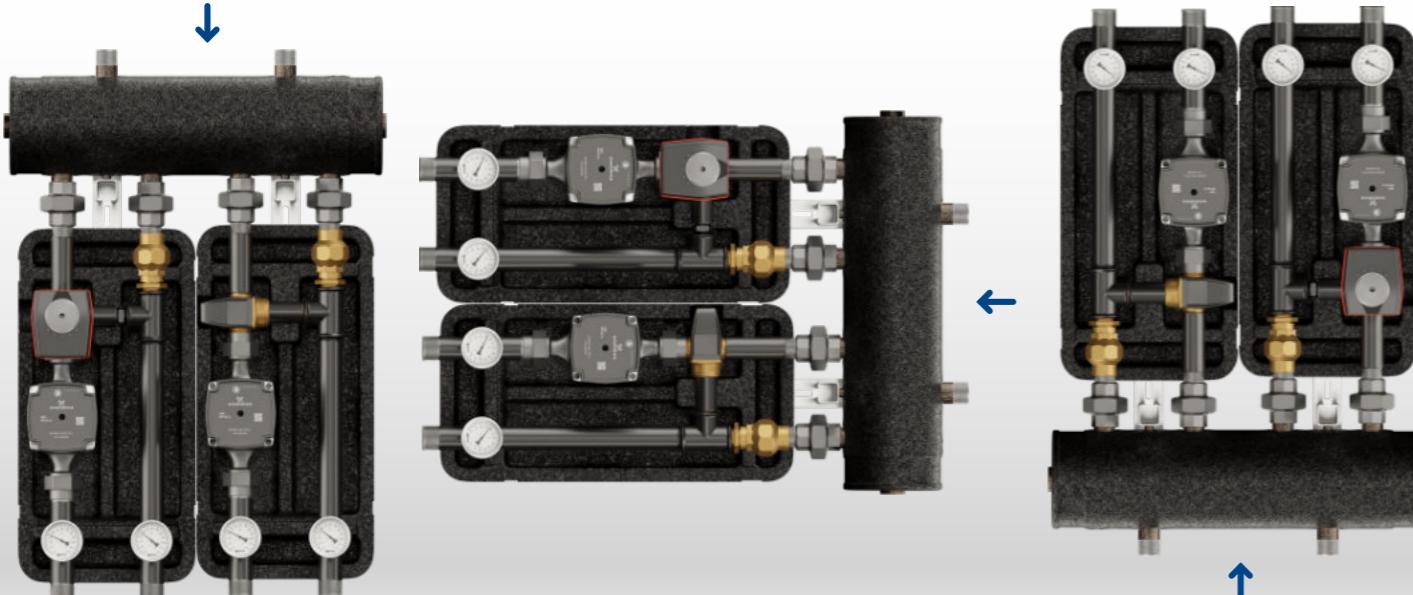
**Cheaper in the set**  
Applies to the sets: Company and Brigade



# Company and Brigade sets

Four installation positions of the sets thanks to the following:

- INOX flow steering - Kompania set
- INOX divider - Brigade set

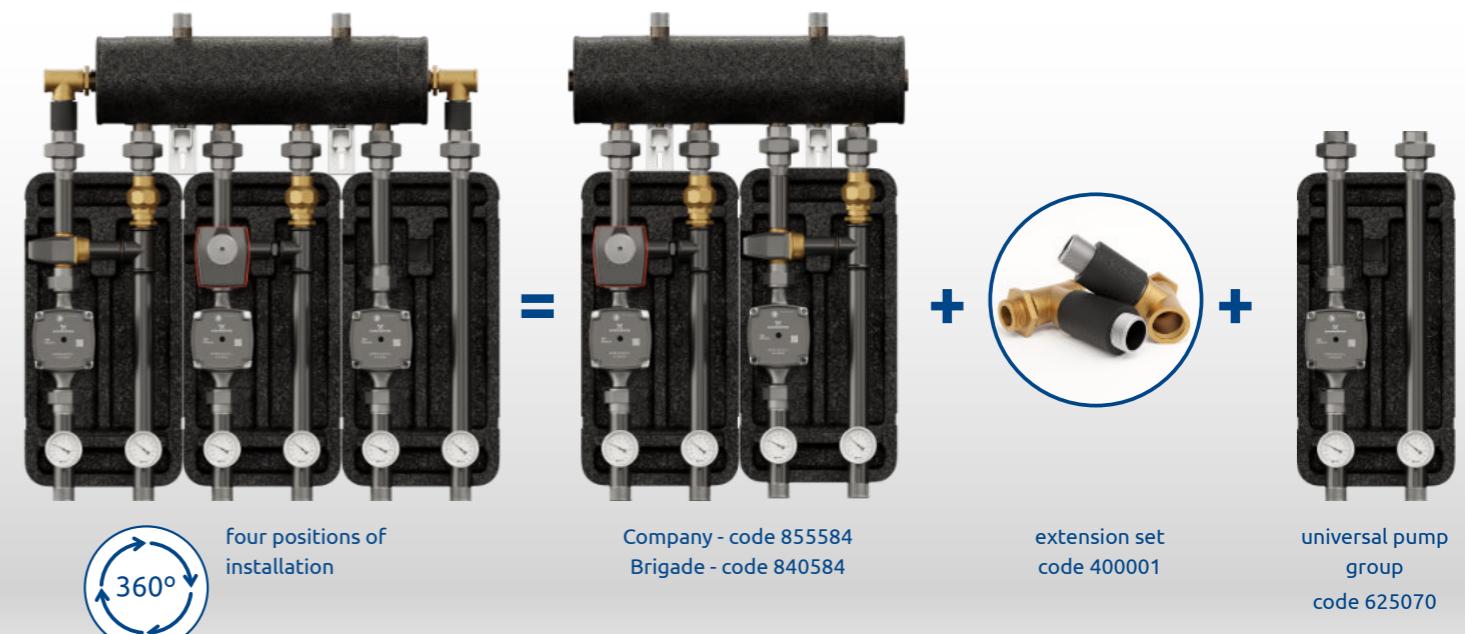


Company —————— Brigade



# Company and Brigade sets

Selection example for 3 pump circuits with pump groups

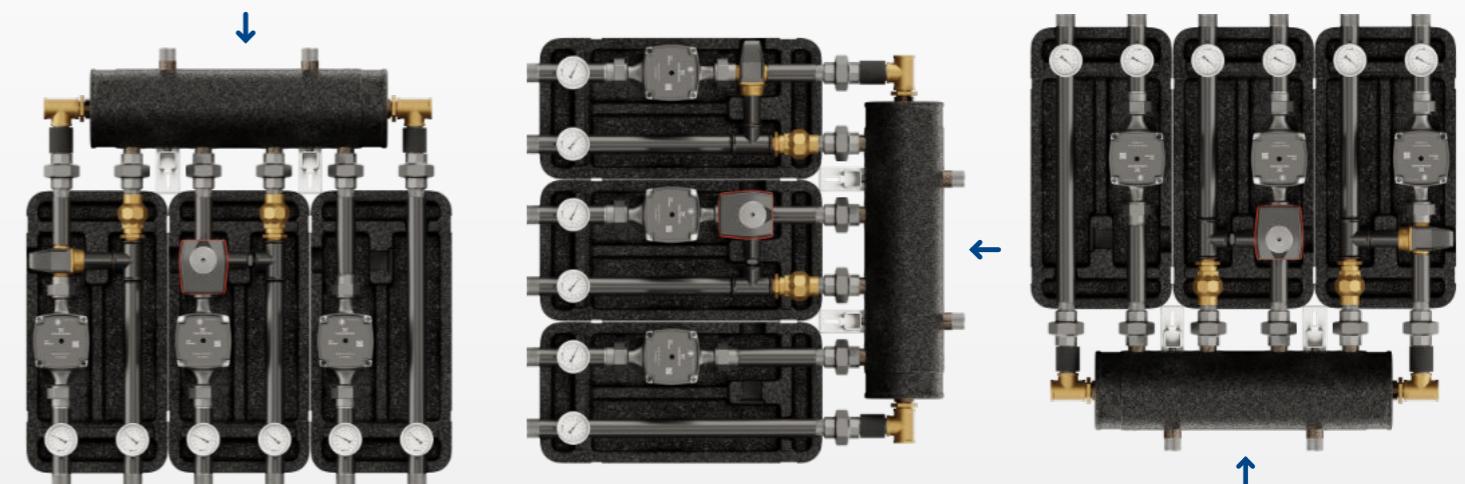


360°  
four positions of  
installation

Company - code 855584  
Brigade - code 840584

extension set  
code 400001

universal pump  
group  
code 625070



# Electronic Navigator controller to control a heater with a bimetallic switch and 2 heat source (separable contact)

item code 811001



Perfect for cooperation with:

- System additional heater Rifleman
- System additional heater Rifleman PRO
- low loss header SHE-EL / ELI
- bimetallic heater for the domestic hot water tank

Technical data:

- supply voltage 230V (3x230V)
- maximum heater power 3 x 4 kW
- 2 x OV voltage-free input
- dimensions: 225 x 175 x 80 mm

PV ready

- PV Ready**  
N/C contact (break contact) 0V
- PV Ready**  
Break contact

4 driver operation options



only C.H. pump



C.H. pump + inverter



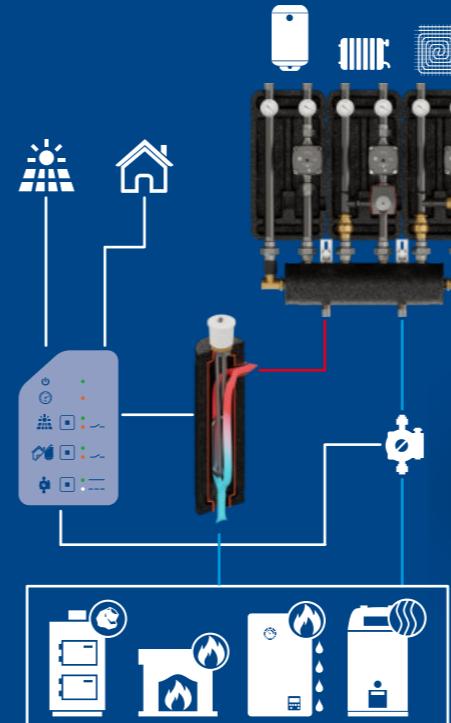
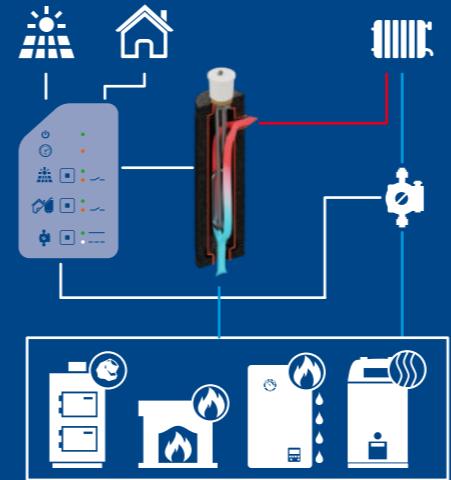
C.H. pump + room thermostat / bimetallic thermostat



C.H. pump + inverter PV + room thermostat / bimetallic thermostat

New Spring  
2021

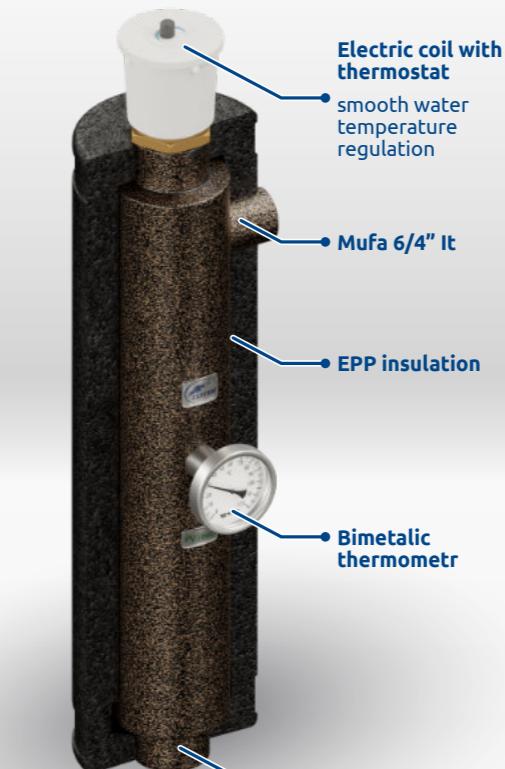
An exemplary diagram of  
the Navigator + Rifleman controller  
connection



## Central heating system additional heater Rifleman

**the only one in market**

- perfect as an alternative heating source in PV systems
- Anti-freeze system
- smooth CH water temperature regulation
- resistor emergency stop switch

**Rifleman / 230V****2 kW / 230 V** **Rifleman 230/2**  
item code 212302**3 kW / 230 V** **Rifleman 230/3**  
item code 212303**Rifleman / 400V****3 kW / 400 V** **Rifleman 400/3**  
item code 214003**4,5 kW / 400 V** **Rifleman 400/4**  
item code 214004**6 kW / 400 V** **Rifleman 400/6**  
item code 214006
PV ready

bimetallic thermometer

Very low cost of investment

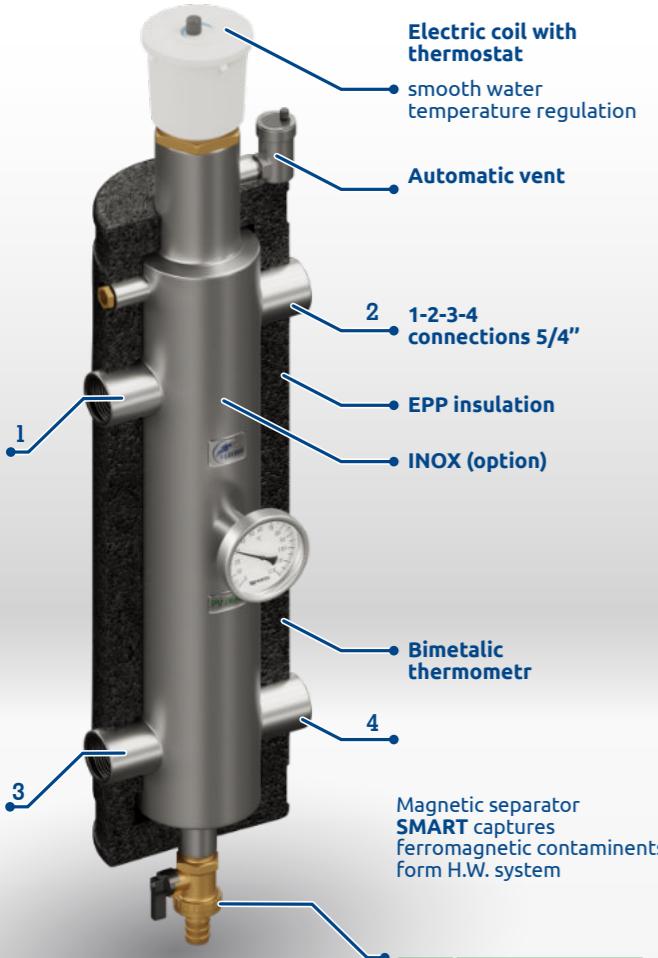
works in vertical and horizontal positions

2-6 kW wide choice of products

for open circuit

for closed circuit

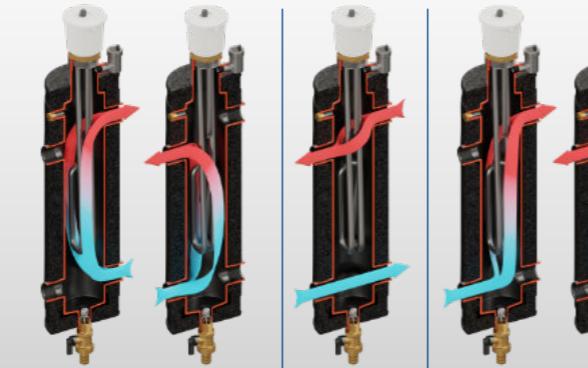
## Low loss header SHE-EL 70 kW with built in electric heater



### the only one in market

- perfect as an alternative heating source in PV systems
- perfect as a peak source for heat pump
- Compatible with 2D+ and 3D+ separating manifolds Elterm
- Electric heater with thermostat
- Anti-freeze system
- smooth CH water temperature regulation
- resistor emergency stop switch

Uniwersalne podłączenie - 5 wariantów



SHE-EL / 400V		SHE-EL / 230V	
3 kW / 400 V	400/3	2 kW / 230 V	230/2
item code	224003	item code	222302
4,5 kW / 400 V	400/4	3 kW / 230 V	230/3
item code	224004	item code	222303
6 kW / 400 V	400/6		
item code	224006		

SHE-EL / 400V		SHE-EL / 230V	
3 kW / 400 V	400/3	2 kW / 230 V	230/2
item code	224003	item code	222302
4,5 kW / 400 V	400/4	3 kW / 230 V	230/3
item code	224004	item code	222303
6 kW / 400 V	400/6		
item code	224006		

PV ready

bimetalic thermometer

wide choice of products

for open circuit

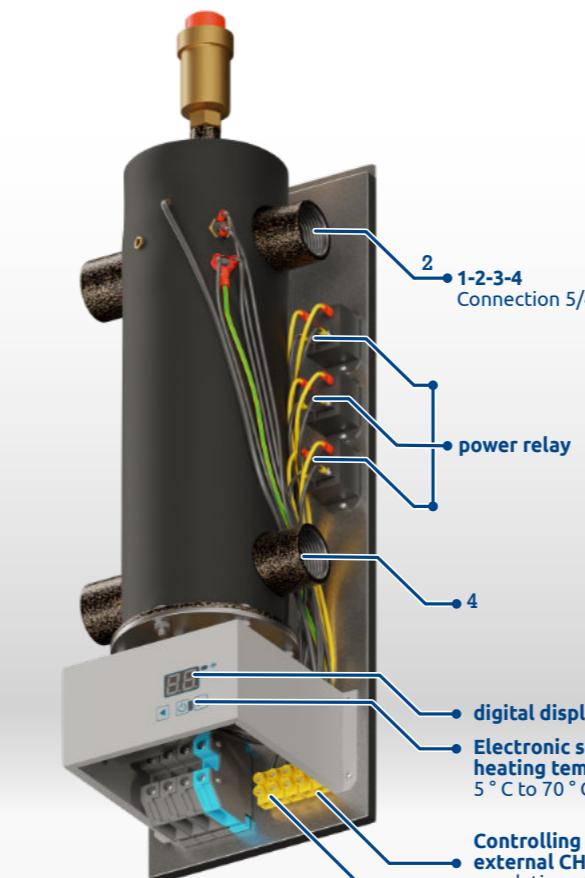
For closed circuit

universal connection

SMART

Automatic vent

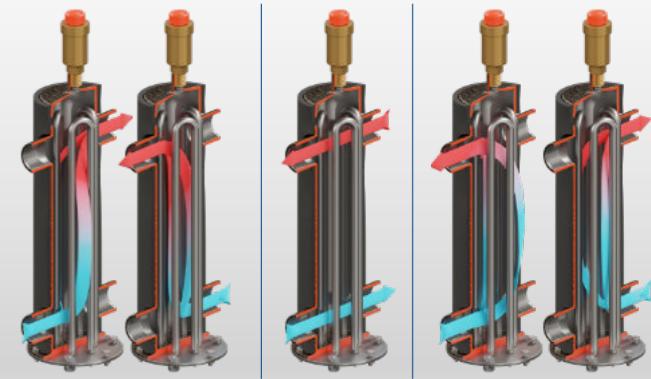
## Electric water boiler Uhlan with low loss header function



### the only one in market

- smallest dimensions on market
- perfect as alternative heating source in PV systems
- perfect as a peak source for heat pump
- Can work in an open central heating system
- Dedicated to work with heat pumps
- SHE-OC 70 kW Elterm low loss header function
- Compatible with connection manifolds 2D+ & 3D+ Elterm
- Equipped with intuitive control

Universal connection - 5 variants



Max. Power	zasilanie 230/400 V	modulacja elektroniczna	modulacja ręczna	code
4 kW	230 V	co 1/3 mocy	2-4 kW	170004
4 kW	400 V	co 1/3 mocy	2-4 kW	170004
6 kW	230 V	co 1/3 mocy	2-4-6 kW	170006
6 kW	400 V	co 1/3 mocy	2-4-6 kW	170006
9 kW	400 V	co 1/3 mocy	3-6-9 kW	170009
12 kW	400 V	co 1/3 mocy	4-8-12 kW	170012

PV ready

Electronic setting of temperature

Controlling automation external CH pump

Controlling automation of heaters

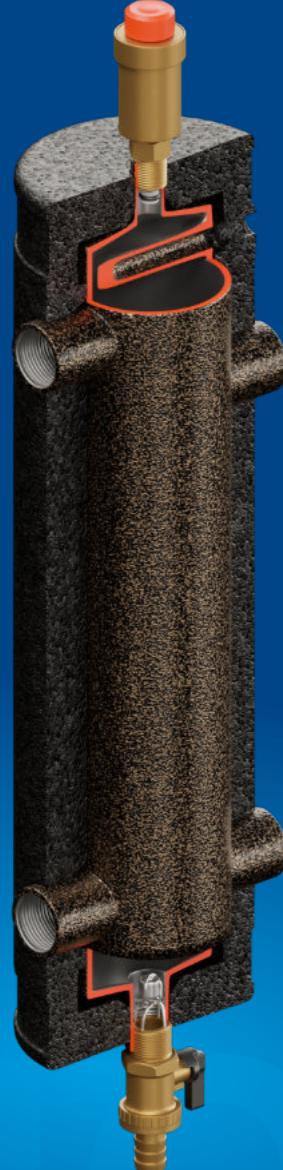
N/C contact (break contact) 0V

maximum power lock

universal connection

Automatic vent

# Low loss header SHE- OC



The SHE Low loss header is used for separation of the boiler circuit from the circuit heating

They are used in systems with one or several sources of heat and especially composed of more than one circuit Heating.

Advantages of using low loss headers:

- independent operation of individual circuits
- correct operation of the pumps
- venting the central heating system

Correctly selected diameters of the body and connectors cause flow optimization

V max 1 in connectors = 1,2 m/s

V max 2 in connectors= 0,2 m/s

New 2021

Mounting bracket included



New 2021

neodymium magnetic separator  
SHE - OC + SMART included



## SHE 40-OC

the most popular low loss header in Poland

	SHE-OC 25 40/65	SHE-OC 32 70/80	SHE-OC 100 40/100	SHE-OC 115 50/100	SHE-OC 156 50/125
item code	402040	402070	402100	402115	402156
insulation	YES EPP	YES EPP	YES EPP	YES EPP	YES EPP
	SHE 40 25/65	SHE 70 32/80	SHE 100 40/100	SHE115 50/100	SHE 156 50/125
item code	401040	401070	401100	401115	401156
insulation	NO	NO	NO	NO	NO
Max. Power ( $\Delta T=15K$ )	40 kW	70 kW	100 kW	115 kW	156 kW
Max. Power ( $\Delta T=20K$ )	55 kW	90 kW	135 kW	150 kW	210 kW
Connection (DN)	25 - 1 "It	32 - 5/4" It	40 - 6/4" Et	50 - 2" Et	50 - 2" Et
Max. Flow	2,3 m <sup>3</sup> /h	4,0 m <sup>3</sup> /h	5,7 m <sup>3</sup> /h	6,6 m <sup>3</sup> /h	9,0 m <sup>3</sup> /h

## SHE 225-OC

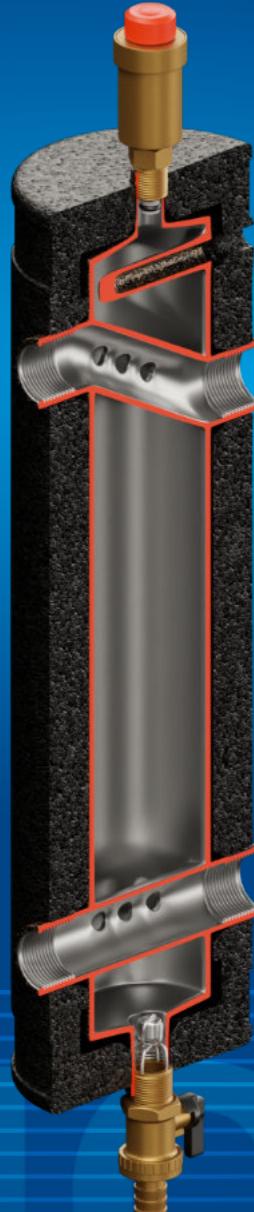
the most popular flange low loss header in Poland

	SHE-OC 225 65/150	SHE-OC 420 80/200	SHE-OC 435 100/200	SHE-OC 700 100/250	SHE-OC 750 125/250
item code	402225	402420	402435	402700	402750
insulation	YES mineral wool	YES mineral wool	YES mineral wool	YES mineral wool	YES mineral wool
Max. Power ( $\Delta T=15K$ )	225 kW	420 kW	435 kW	700 kW	750 kW
Max. Power ( $\Delta T=20K$ )	300 kW	560 kW	580 kW	935 kW	1000 kW
Flange DN (PN16)	65-2½"	80-3"	100-4"	100-4"	125-5"
Max. Flow	12,9 m/h	24,0 m'/h	25,2 m/h	39,0 m/h	41,5 m/h

\* Mounting bracket included in SHE up to 115 kW



# Vertical low loss header SHE-CDI Condens INOX, SHE-CD Condens



## flow steering

maintains the high efficiency of the condensing boiler and heat pump

minimizes the return of hot water directly to the heat source



C.H. pump +  
inverter



condensing  
boiler

**A+++**

New 2021

Mounting bracket included



## SHE-CDI INOX stainless steel body and flow steering

### SHE-CDI 210 i SHE-CD 210

the most powerful low loss steering from the threaded series

INOX	SHE-CDI 55 25/65	SHE-CDI 90 32/80	SHE-CDI 135 40/100	SHE-CDI 210 50/125
item code	404055	404090	404135	404210
Max. Power (ΔT=20K)	55 kW	90 kW	135 kW	210 kW
insulation	YES EPP	YES EPP	YES EPP	YES EPP

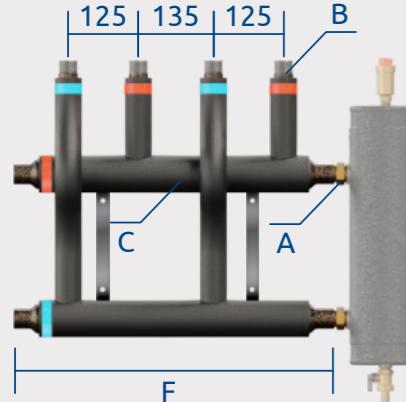
	SHE-CD 55 25/65	SHE-CD 90 32/80	SHE-CD 135 40/100	SHE-CD 150 50/100	SHE-CD 210 50/125
item code	403055	403090	403135	403150	403210
Max. Power (ΔT=20K)	55 kW	90 kW	135 kW	150 kW	210 kW
insulation	YES EPP	YES EPP	YES EPP	YES EPP	YES EPP
Connection (DN) A	25-1" lt	32 1¼"lt	40 1½"Et	50 - 2"Et	50 - 2"Et
Max. Flow	2,3 m³/h	4,0 m³/h	5,7m³/h	6,6 m³/h	9,0 m³/h

## SHE-CD flanged version

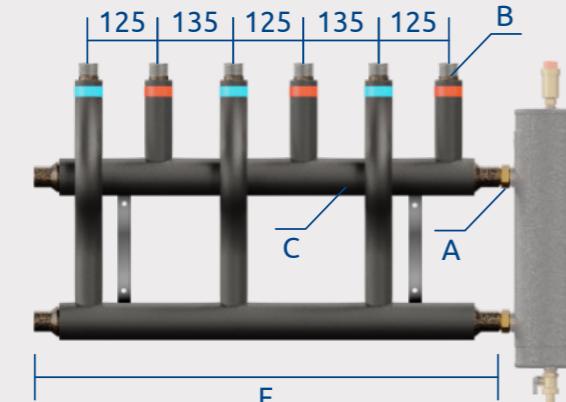
	SHE-CD 300 65/150	SHE-CD 560 32/80
item code	403300	403560
Max. Power (ΔT=20K)	300 kW	560 kW
insulation	YES mineral wool	YES mineral wool
Flange DN (PN 16)	65-2½"	80-3"
Max. Flow	12,9 m³/h	24,0 m³/h

\* Mounting bracket included in SHE up to 115 kW

## Separation manifolds for low loss headers SHE

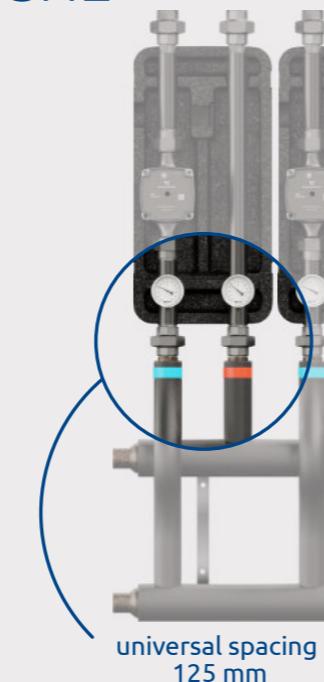


2D+ 2-way separating manifolds  
(2 upwards + 1 sideways)



3D+ 3-way separating manifolds  
(3 upwards + 1 sideways)

manifolds can be rotated 180°



universal spacing  
125 mm

Do SHE	40/55 kW	70/90 kW	100/135 kW	115/150 kW	156/210 kW
--------	----------	----------	------------	------------	------------

**B=1"**  
**2D + 2-way separating manifolds (2 upwards + 1 sideways)**

item code	512040	512070	512100	512115	512156
-----------	--------	--------	--------	--------	--------

Solar insulation	Yes	Yes	Yes	Yes	Yes
------------------	-----	-----	-----	-----	-----

item code	502040	502070	502100	502115	502156
-----------	--------	--------	--------	--------	--------

Solar insulation	No	No	No	No	No
------------------	----	----	----	----	----

Dimension F (mm)	605	605	525	615	615
------------------	-----	-----	-----	-----	-----

**B=1"**  
**3D + 3-way separating manifolds (3 upwards + 1 sideways)**

item code	513040	513070	513100	0513115	513156
-----------	--------	--------	--------	---------	--------

Solar insulation	Yes	Yes	Yes	Yes	Yes
------------------	-----	-----	-----	-----	-----

item code	503040	503070	503100	503115	503156
-----------	--------	--------	--------	--------	--------

Solar insulation	No	No	No	No	No
------------------	----	----	----	----	----

Dimension F (mm)	865	865	785	880	880
------------------	-----	-----	-----	-----	-----

Connection DN A	25 - 1" lt	32 - 1 1/4" lt	40 - 1 1/2" Et	50 - 2" Et	50 - 2" Et
-----------------	------------	----------------	----------------	------------	------------

Connection DN - B	25 - 1" Et				
-------------------	------------	------------	------------	------------	------------

Main pipe DN - C	40 - 1 1/2"	40 - 1 1/2"	40 - 1 1/2"	50 - 2"	50 - 2"
------------------	-------------	-------------	-------------	---------	---------

Do SHE	115/150 kW	156/210 kW
--------	------------	------------

**B=5/4"**  
**2 upwards + 1 sideways**

item code	562115	562156
-----------	--------	--------

Solar insulation	Yes	Yes
------------------	-----	-----

item code	552115	552156
-----------	--------	--------

Solar insulation	No	No
------------------	----	----

Dimension F (mm)	615	615
------------------	-----	-----

**B=5/4"**  
**3 upwards + 1 sideways**

item code	563115	563156
-----------	--------	--------

Solar insulation	Yes	Yes
------------------	-----	-----

item code	553115	553156
-----------	--------	--------

Solar insulation	No	No
------------------	----	----

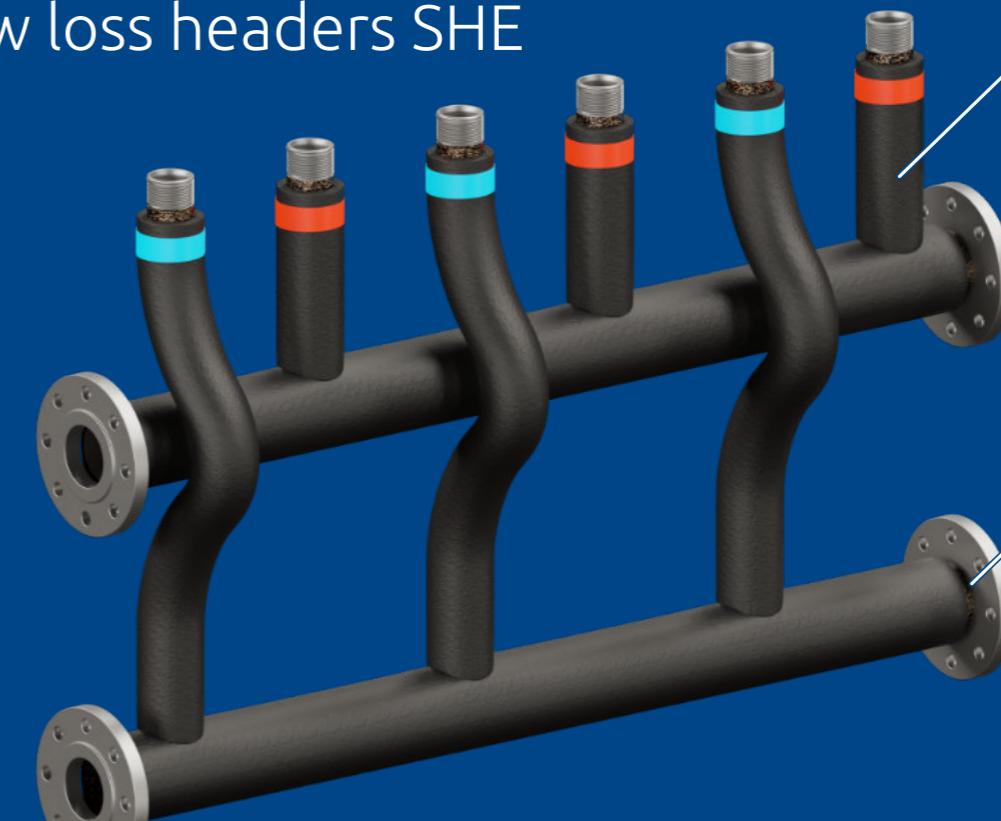
Dimension F (mm)	880	880
------------------	-----	-----

Connection DN A	50 - 2" Et	50 - 2" Et
-----------------	------------	------------

Connection DN - B	32 - 1 1/4" Et	32 - 1 1/4" Et
-------------------	----------------	----------------

Main pipe DN - C	50 - 2"	50 - 2"
------------------	---------	---------

## Separation manifolds for low loss headers SHE



Flanged manifolds on request

Do SHE OC	225/300 kW	420/560 kW	435/580 kW	700/935 kW	750/1000 kW
-----------	------------	------------	------------	------------	-------------

**B=5/4"**  
**2 wyjścia w góre + 1 w bok**

item code	562225	562420	562435	562700	562750
-----------	--------	--------	--------	--------	--------

Solar insulation	Yes	Yes	Yes	Yes	Yes
------------------	-----	-----	-----	-----	-----

**B=5/4"**  
**3 wyjścia w góre + 1 w bok**

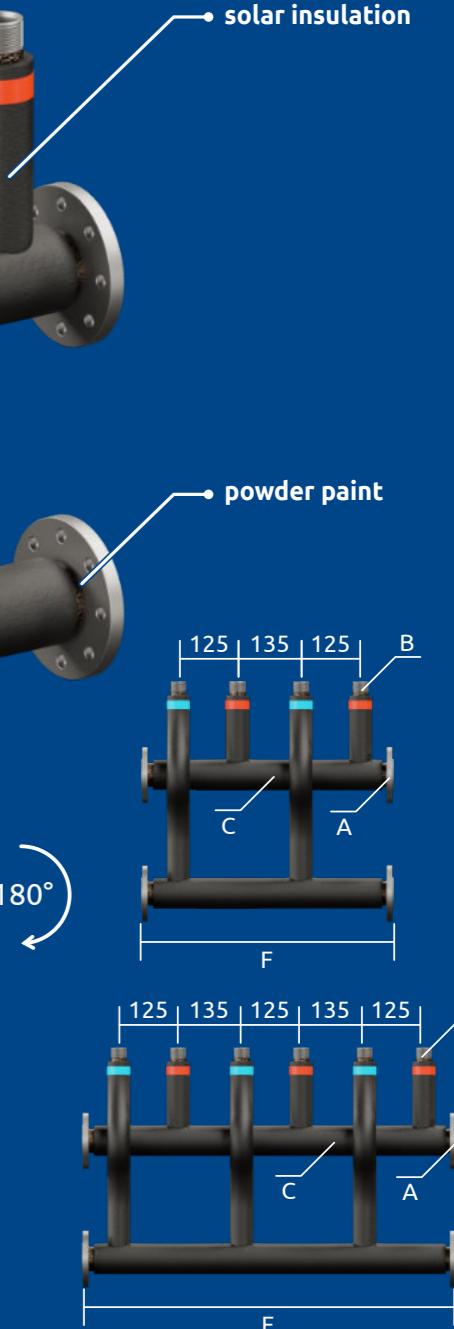
item code	563225	563420	563435	563700	563750
-----------	--------	--------	--------	--------	--------

Solar insulation	Yes	Yes	Yes	Yes	Yes
------------------	-----	-----	-----	-----	-----

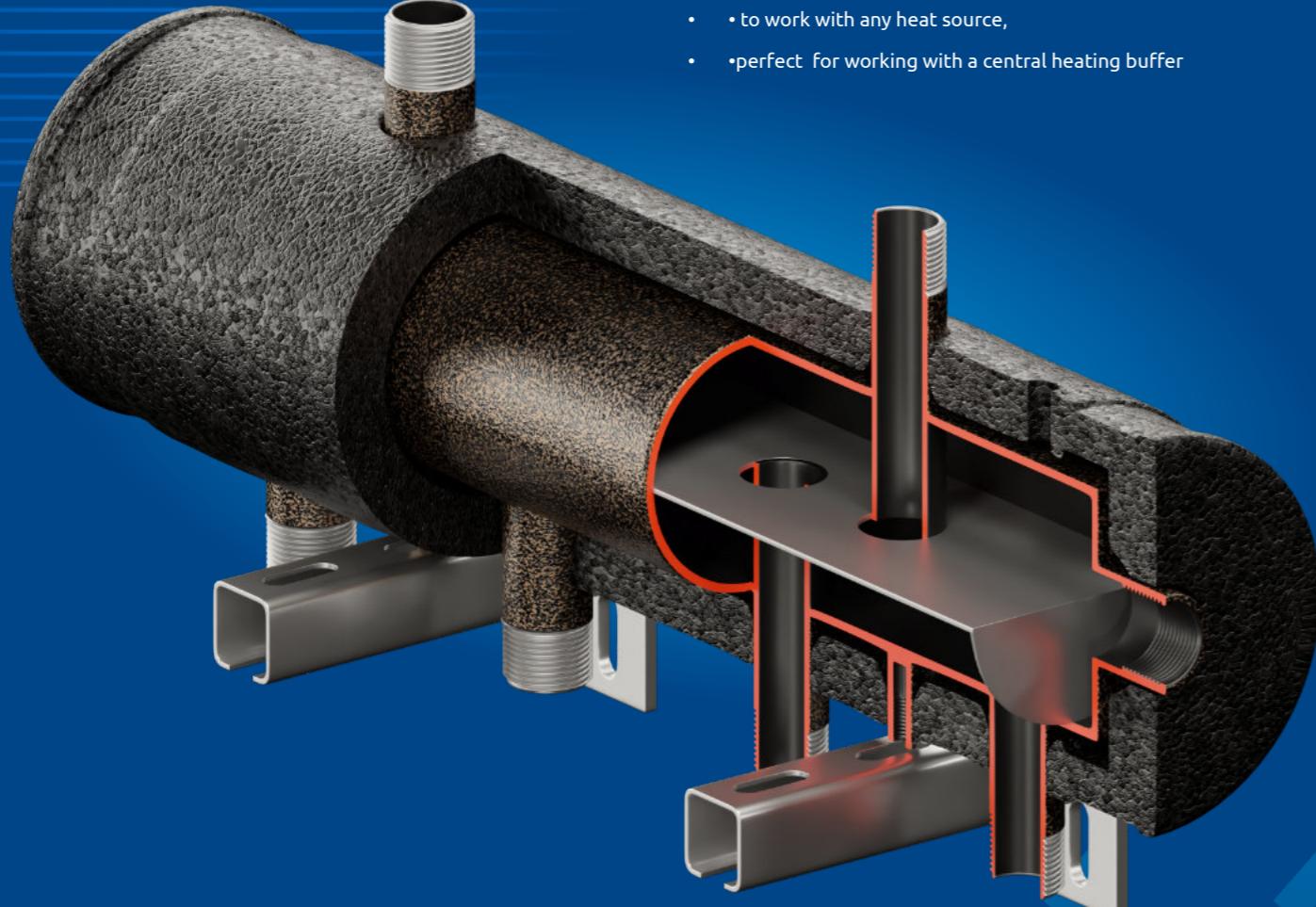
Flange PN 16-A	65 - 2 1/2"	80 - 3"	100 - 4"	100 - 4"	125 - 5"
----------------	-------------	---------	----------	----------	----------

Connection DN - B	32 - 1 1/4" Et				
-------------------	----------------	----------------	----------------	----------------	----------------

Main pipe DN - C	65 - 2 1/2"	80 - 3"	100 - 4"	100 - 4"	125 - 5"
------------------	-------------	---------	----------	----------	----------

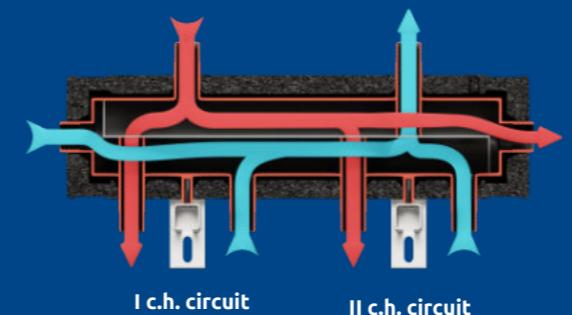
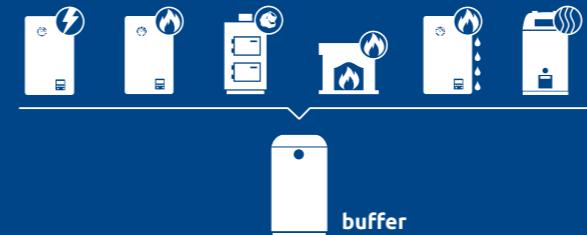


# KRE 2D+ 40 kW compact manifold

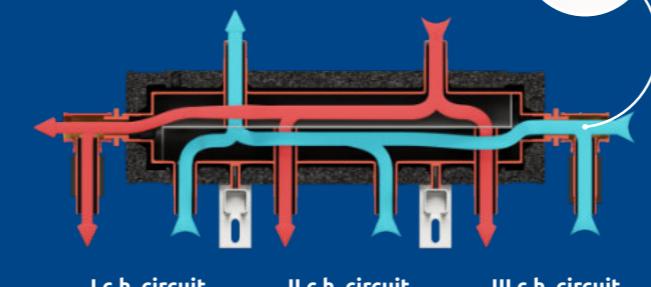


- technically advanced manifold,
- • INOX divider ,
- • guarantees an even hot water consumption
- 2 (3 optional) pump groups,
- • enables the installation of several pump groups with any one mixing valve,
- to work with any heat source,
- • perfect for working with a central heating buffer

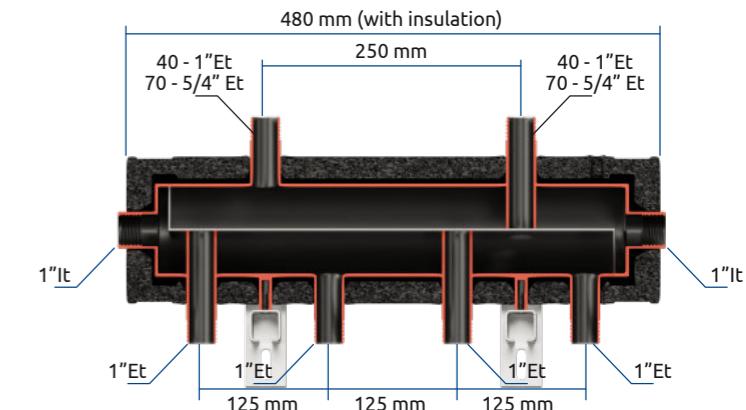
KRE 2D + manifold  
1 or 2 heat sources  
2 or 3 heating circuits



KRE 2D + manifold with extension set  
1 or 2 heat sources  
2 or 3 heating circuits



extension set item code 400001

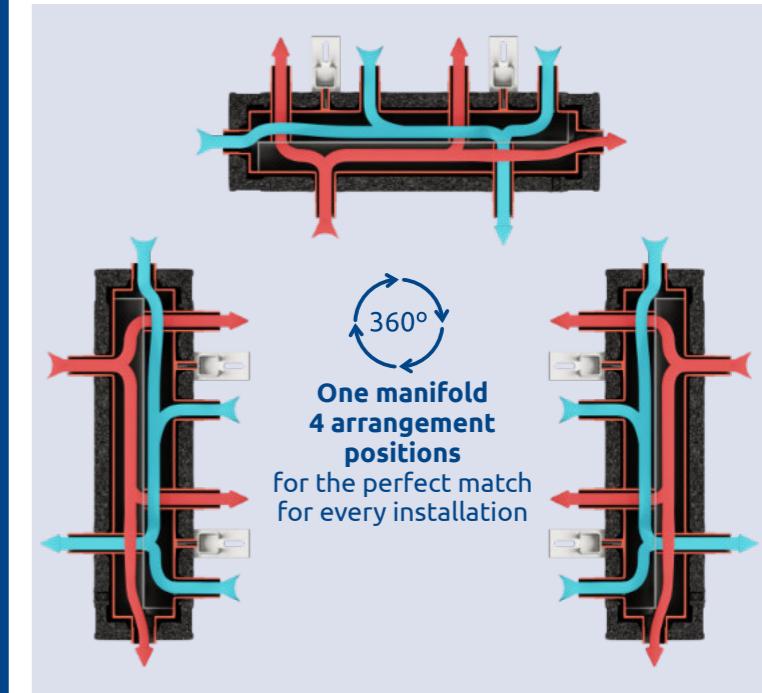


## KRE 2D+ 40 kW

item code 452040

max flow 2,3 m³/h

weight 6,8 kg

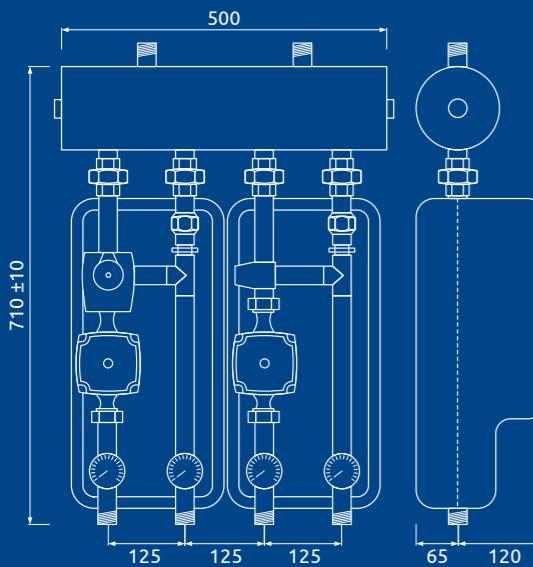


# Brigade set

KRE 2D + 40 kW compact manifold

2 x pump group

- Maximum working power up to 40 kW
- Legal protection - INOX partition
- Advanced technical KRE 2D + divider
- Perfect cooperation with any heat source
- Perfect for working with the c. h. buffer
- 16 combinations to suit any c. h. Installation
- 4 kit installation positions



# Brigade set

- KRE 2D + 40 kW compact manifold
- 2 x pump group



**Brigade 480**  
VRG 432 + UNI  
code 840480

**Brigade 410**  
VRG 432 + UNI  
code 840410



**Brigade 484**  
VRG 432 + VRG 432 +  
code 840484

**Brigade 414**  
VRG 432 + VRG 432  
code 840414



**Brigade 070**  
UNI + UNI  
code 840070

**Brigade 000**  
UNI + UNI  
code 840000



**Brigade 575**  
VTA 522 + VTA 522 +  
code 840575

**Brigade 505**  
VTA 522 + VTA 522  
code 840505



**Brigade 370**  
VTA 322 + UNI  
code 840370

**Brigade 300**  
VTA 322 + UNI  
code 840300



**Brigade 570**  
VTA 522 + UNI  
code 840570

**Brigade 500**  
VTA 522 + UNI  
code 840500



**Brigade 384**  
VTA 322 + VRG 432 +  
code 840384

**Brigade 314**  
VTA 322 + VRG 432  
code 840314

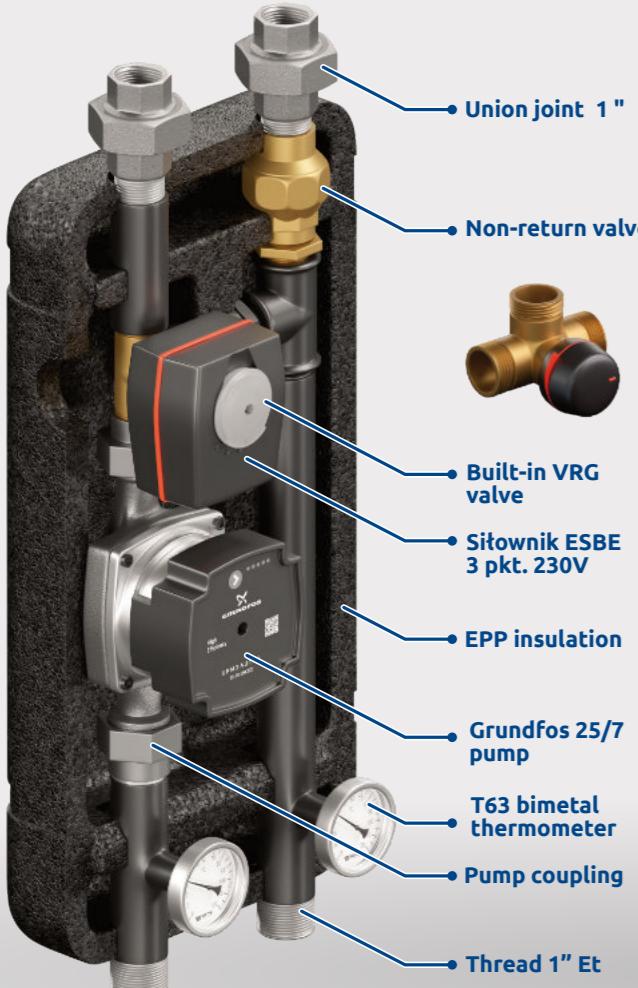


**Brigade 584**  
VTA 522 + VRG 432 +  
code 840584

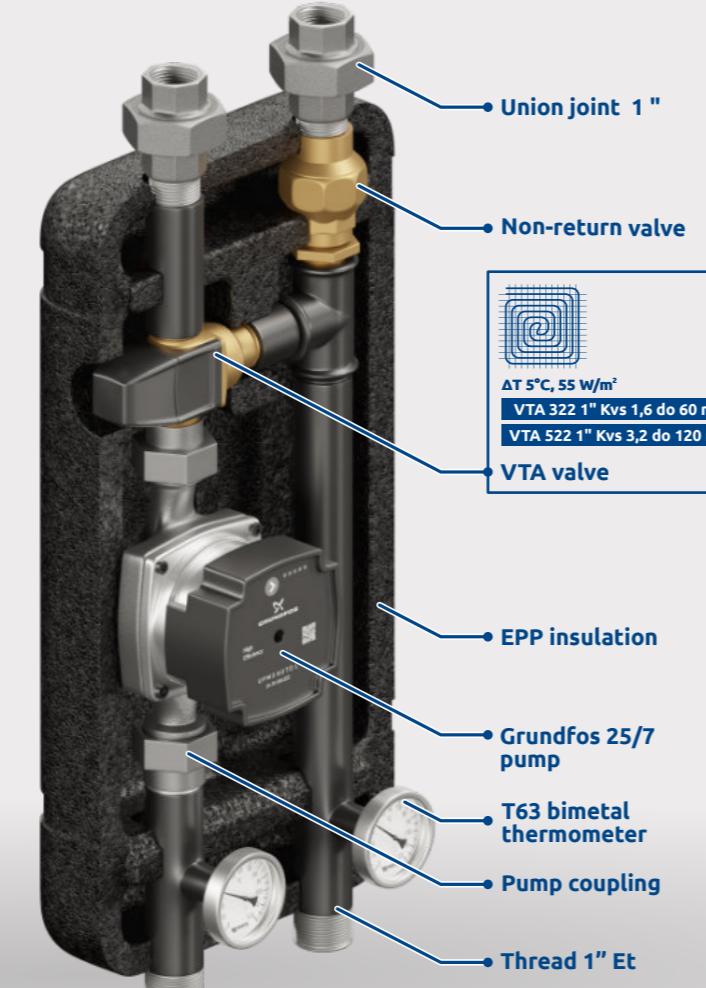
**Brigade 514**  
VTA 522 + VRG 432  
code 840514

# Pump groups

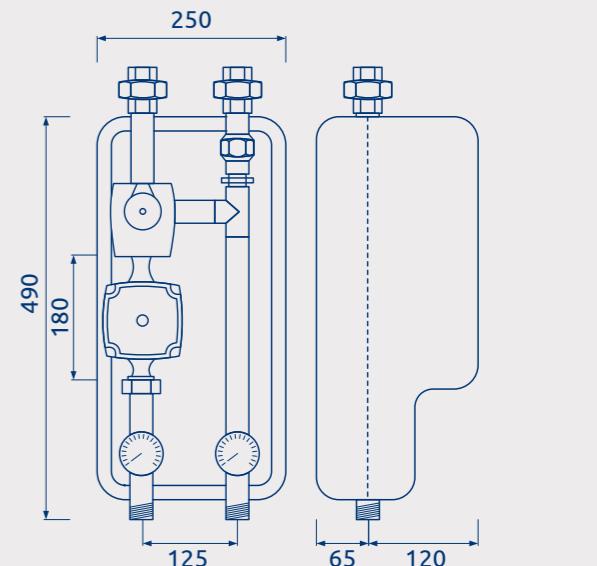
with 3-way rotary valve VRG 432 1 "  
progressive VRG valve Kvs up to 8.0



with thermostatic valve VTA 1 "  
VTA 322 Kvs 1.6 VTA 522 Kvs 3.2



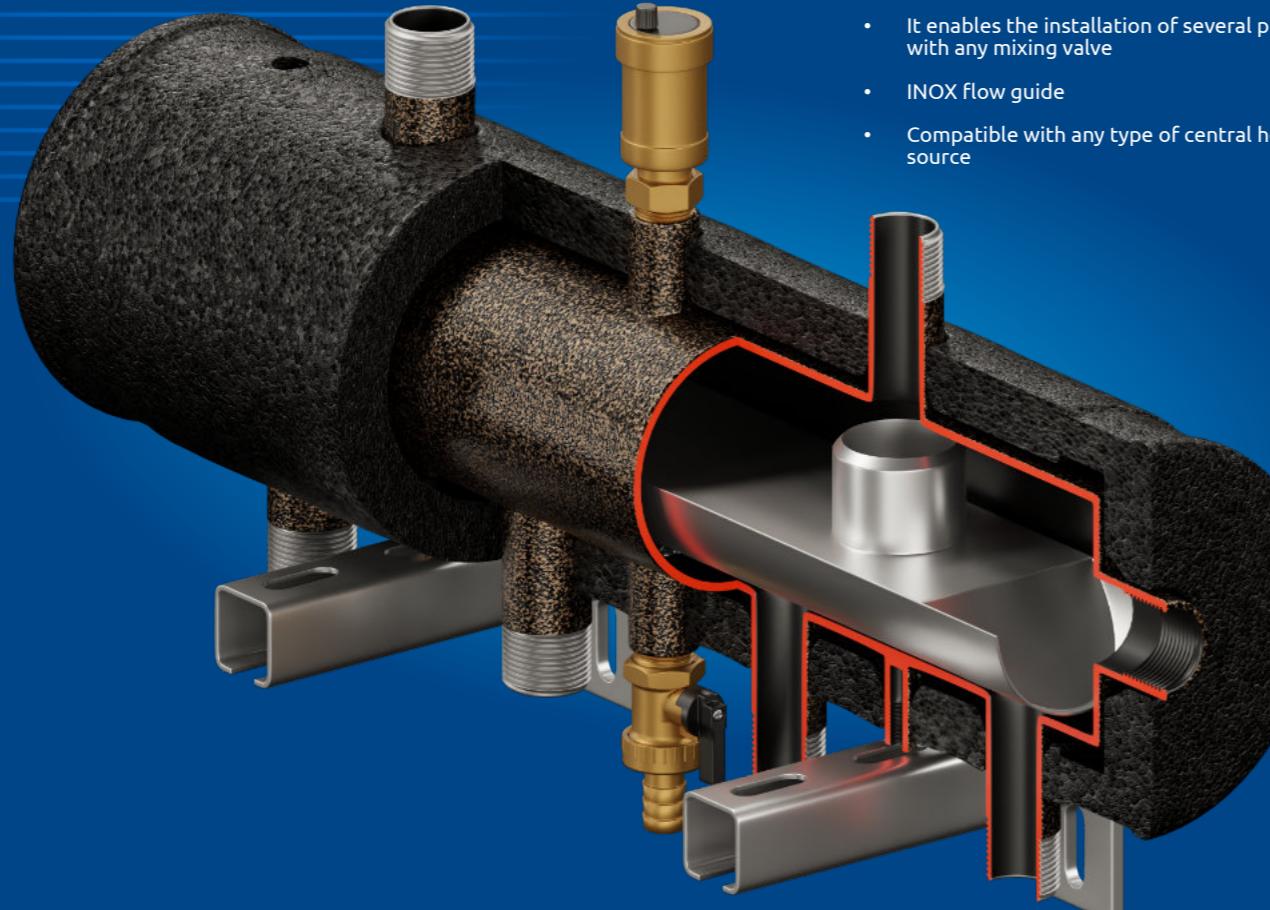
Universal pump group



VRG 432 Kvs 8,0	YES	YES	YES	YES	625400
VRG 432 Kvs 8,0	YES	YES	YES	YES	625410
VRG 432 Kvs 8,0	YES	YES	YES	YES	625470
VRG 432 Kvs 8,0	YES	YES	YES	YES	625480
VTA 322 Kvs 1,6		YES	YES	YES	625300
VTA 322 Kvs 1,6	YES	YES	YES	YES	625370
VTA 522 Kvs 3,2		YES	YES	YES	625500
VTA 522 Kvs 3,2	YES	YES	YES	YES	625570
universal		YES	YES	YES	625000
universal	YES	YES	YES	YES	625070

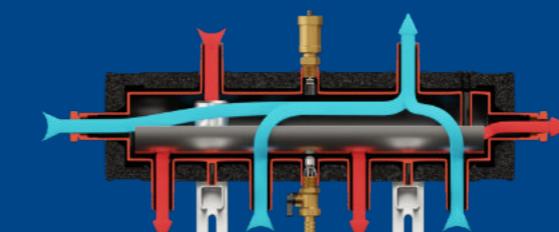


# SKE 2DC + Condens 55 and 90 kW clutch-manifold with conversion kit

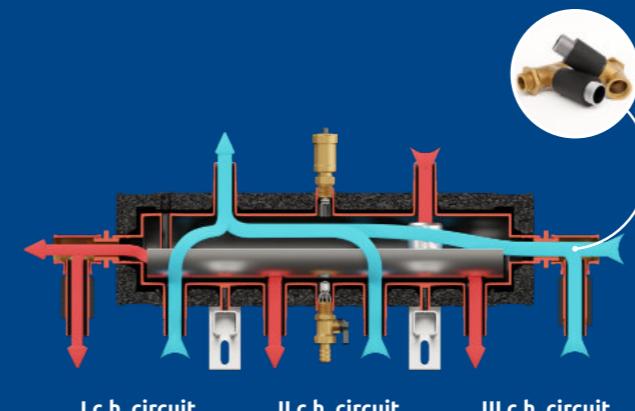


The most technically advanced clutch collector in Poland

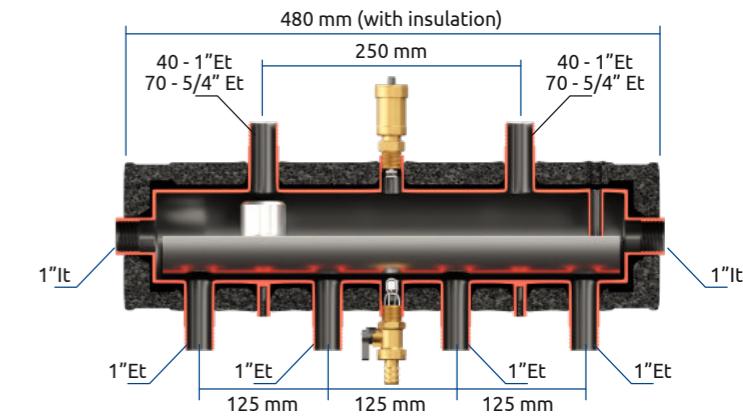
- maintains the high efficiency of the condensing boiler and heat pump
- minimizes the return of hot water directly to the heat source
- it also guarantees even hot water consumption by the pump groups
- It enables the installation of several pump groups with any mixing valve
- INOX flow guide
- Compatible with any type of central heating source



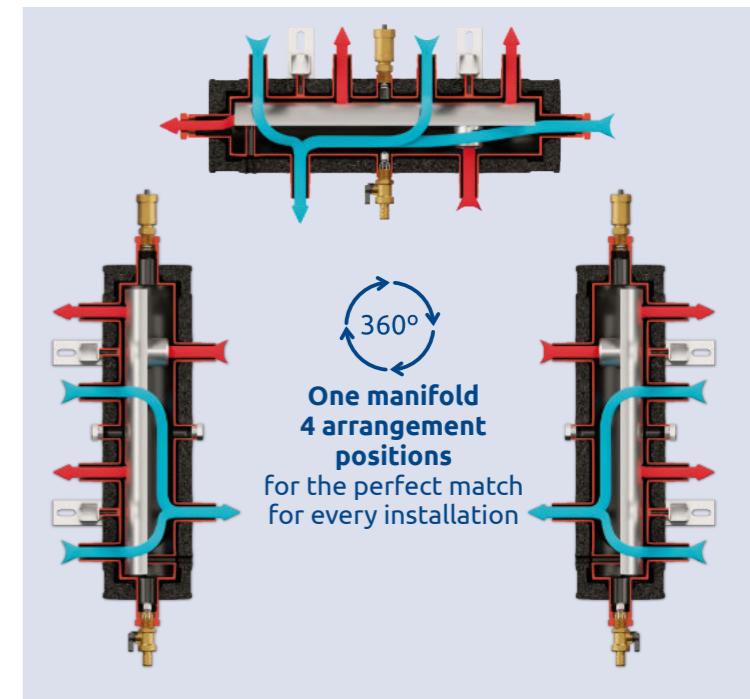
I c.h. circuit      II c.h. circuit



extension set      item code      400001

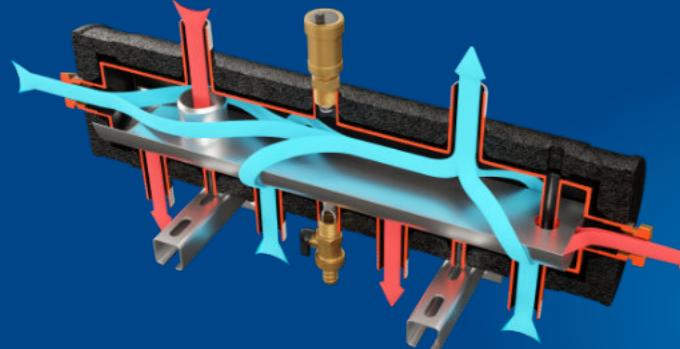


SKE 2DC+ Condens	55 kW	90 kW
item code	432055	432090
max flow	2,3 m³/h	4,0 m³/h
max power at $\Delta T = 20$	do 55 kW	do 90 kW

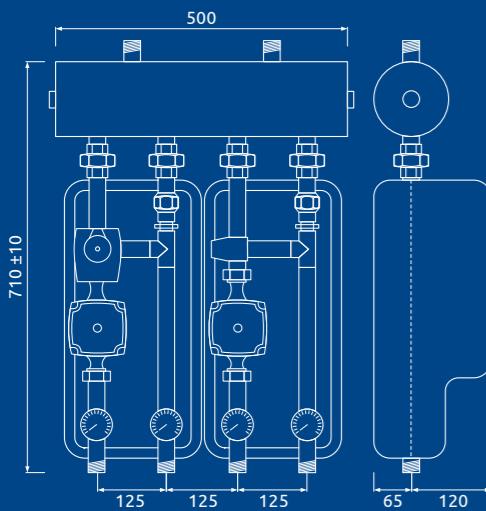


# Company set

SKE 2DC + Condens 55 kW + 2 x pump station



**NEW**  
Pump sets selection configurator  
  
Configurator - full offer of  
28 combinations fitted to  
each central heating installation



The 16 most popular Company sets  
(28 sets to choose from - see [www.elterm.pl](http://www.elterm.pl))



Company 480  
VRG 432 + UNI  
code 855480 +



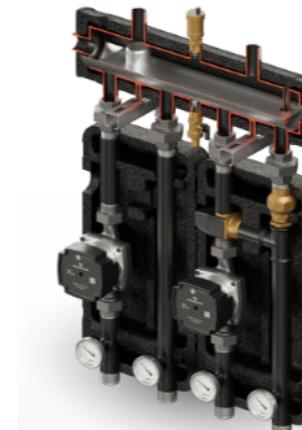
Company 484  
VRG 432 + VRG 432 +  
code 855484 +



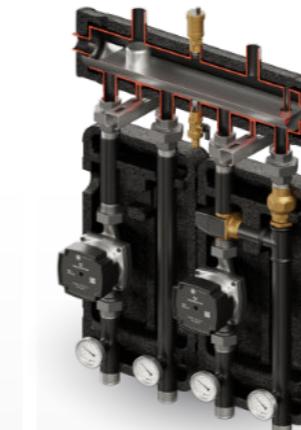
Company 070  
UNI + UNI  
code 855070 +



Company 575  
VTA 522 + VTA 522 +  
code 855575 +



Company 370  
VTA 322 + UNI  
code 855370 +



Company 570  
VTA 522 + UNI  
code 855570 +



Company 384  
VTA 322 + VRG 432 +  
code 855384 +



Company 584  
VTA 522 + VRG 432 +  
code 855584 +

Company 300  
VTA 322 + UNI  
code 855300 +

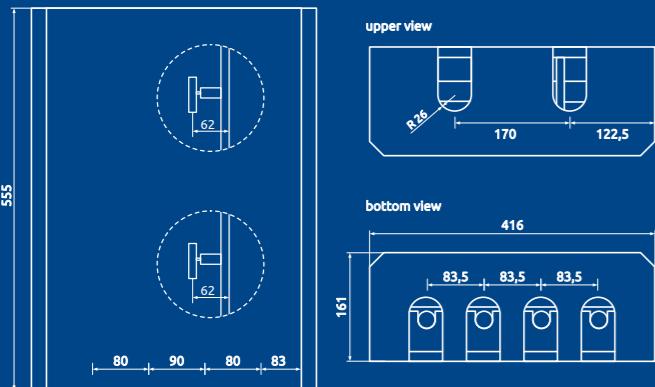
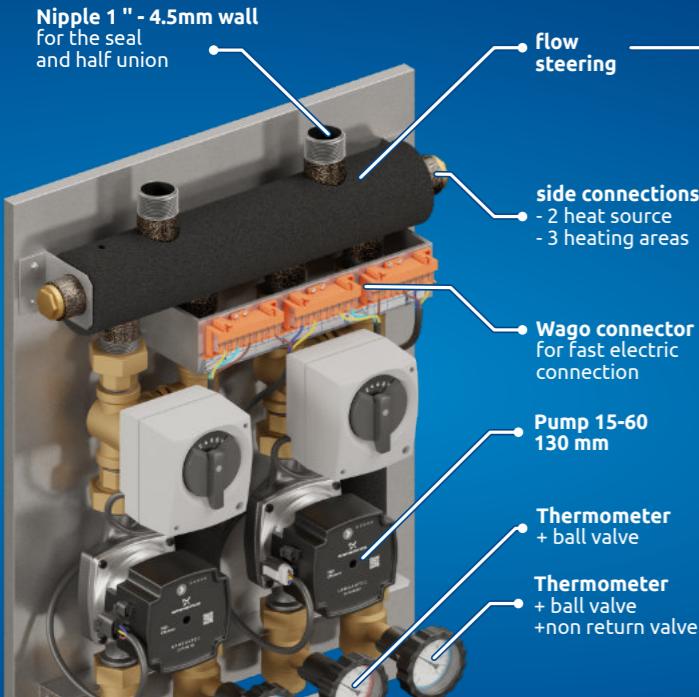
Company 500  
VTA 522 + UNI  
code 855500 +

Company 314  
VTA 322 + VRG 432  
code 855314 +

Company 514  
VTA 522 + VRG 432  
code 855514 +

# Squadron set

SKE 2DC+ Condens 35 kW + 2 x pump group



Squadron Set  
Four positions of  
installation



NEW  
Pump sets  
selection  
configurator



## Squadron Set - 6 options to choose from

- rotary valve with Kvs 6.3 actuator
- Kvs 1.8 thermostatic mixing valve 20-45 °C



**Squadron 070**  
(SKE 2DC+ 35 kW, 2 x UNI, pumps DN15)  
item code 835070



**Squadron 370**  
(SKE 2DC+ 35 kW, UNI, thermostatic mixing  
valve, pumps DN15)  
item code 835370



**Squadron 373**  
(SKE 2DC+ 35 kW, 2 x thermostatic mixing  
valve, pumps DN15)  
item code 835373



**Squadron 384**  
(SKE 2DC+ 35 kW, thermostatic mixing valve,  
rotating valve with actuator, pumps DN15)  
item code 835384



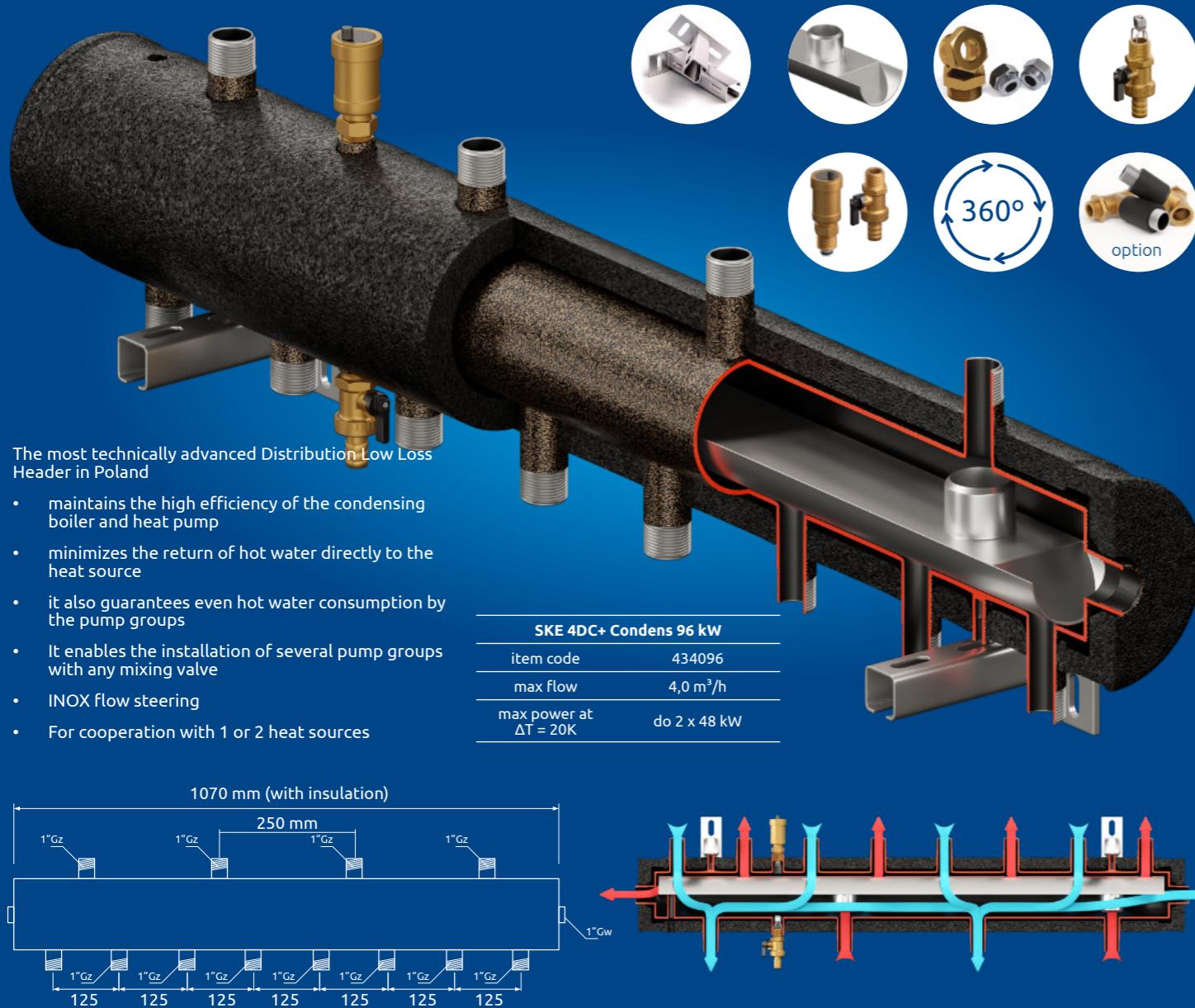
**Squadron 480**  
(SKE 2DC+ 35 kW, UNI, rotating valve  
with actuator, pumps DN15)  
item code 835480



**Squadron 484**  
(SKE 2DC+ 35 kW, 2 x rotating valve  
with actuator, pumps DN15)  
item code 835484

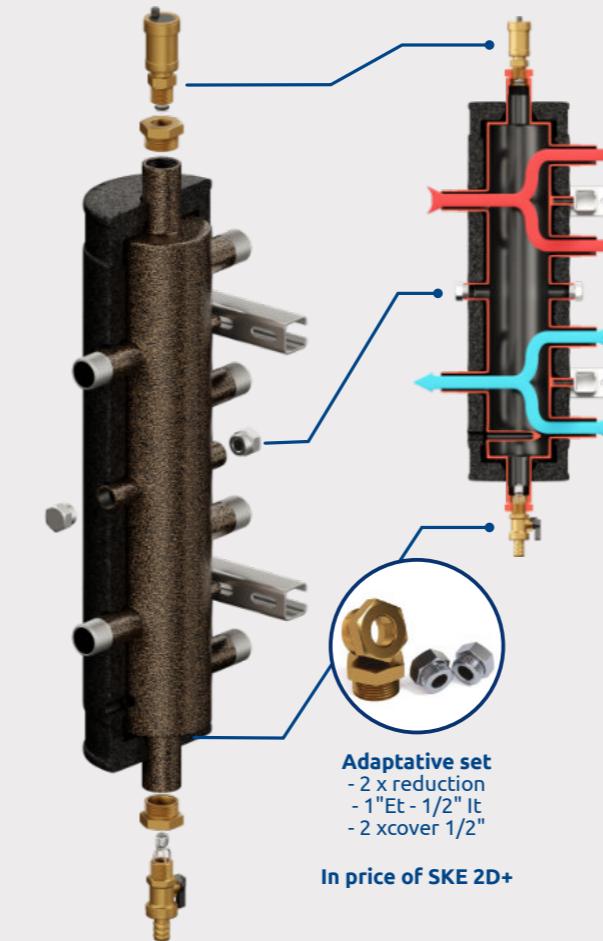
# SKE 4D+ Condens 96 kW (2x48 KW)

Distribution Low loss Header with adaptation set

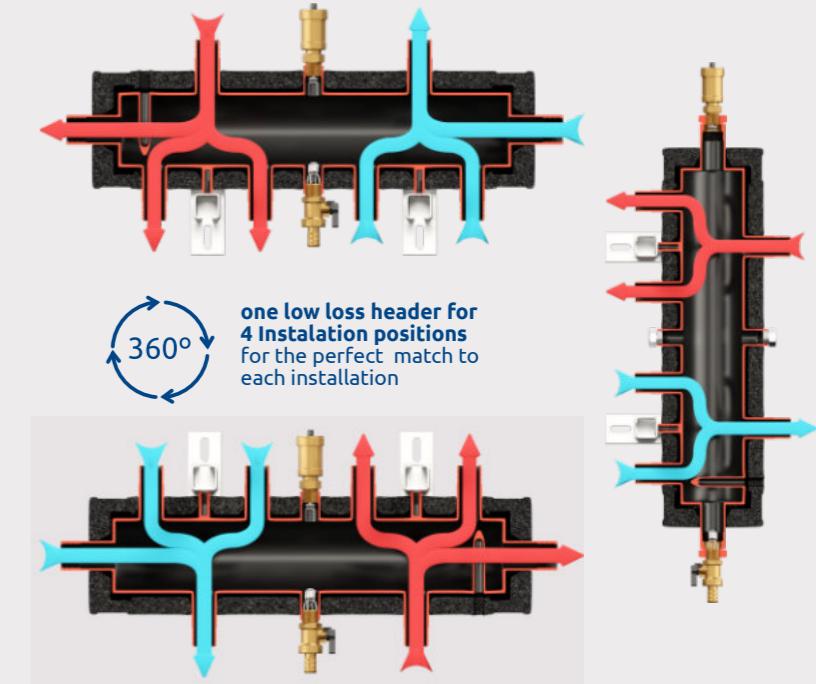


# SKE 2D+ 40 kW

Distrribution Low Loss Header with adaptative set

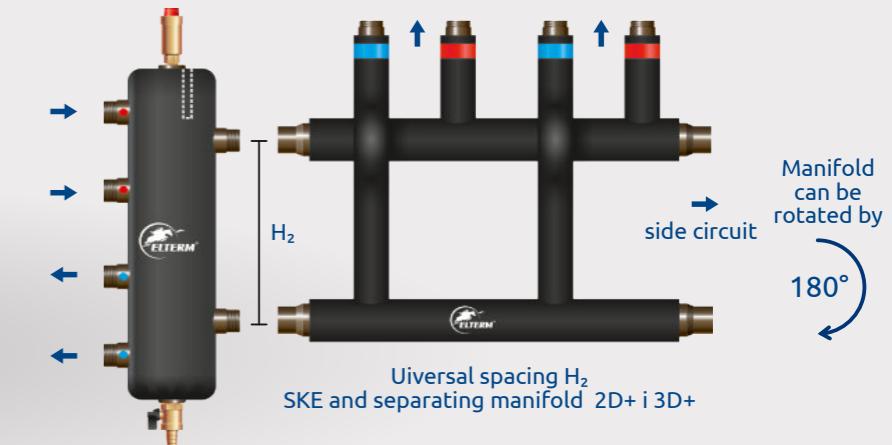


option 1

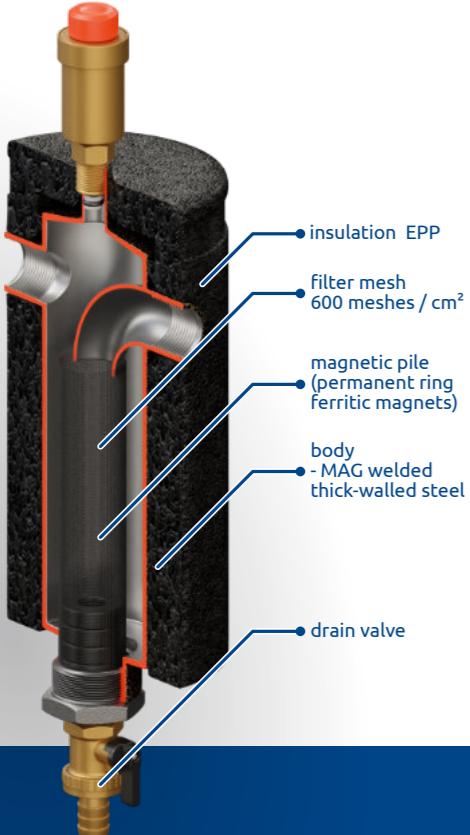


option 2

Vertical version for 2 heat sources + separating manifold



# Magnetic separator DRYL



- Effective filter mesh over 600 mesh per cm<sup>2</sup>
- Effective venting
- Effective removal of mechanical impurities
- Effective removal of ferromagnetic contamination
- Easy and quick cleaning of the filter mesh and the magnetic pile

	DRYL 37 OC 25/65	DRYL 60 OC 32/80	DRYL 95 OC 40/100	DRYL 144 OC 50/125	DRYL 275 OC 65/150	DRYL 365 OC 80/200
item code	712037	712060	712095	712144	712275	712365
insulation	YES	YES	YES	YES	YES	YES
	DRYL 37 25/65	DRYL 60 32/80	DRYL 95 40/100	DRYL 144 50/125		
item code	702037	702060	702095	702144		
insulation	NO	NO	NO	NO		
Max Power at ΔT = 15K	do 37 kW	do 60 kW	do 95 kW	do 144 kW	do 275 kW	do 365 kW
Connection DN	25-1" It	32-1¼" It	40-1½" It	50-2" It	Flange 2½" (DN65 PN16)	Flange 3" (DN80 PN16)
flow Qmax	2,1 m <sup>3</sup> /h	3,5 m <sup>3</sup> /h	5,4 m <sup>3</sup> /h	8,3 m <sup>3</sup> /h	16,0 m <sup>3</sup> /h	21,2 m <sup>3</sup> /h

## Phase 1 - CENTRIFUGAL FILTRATION

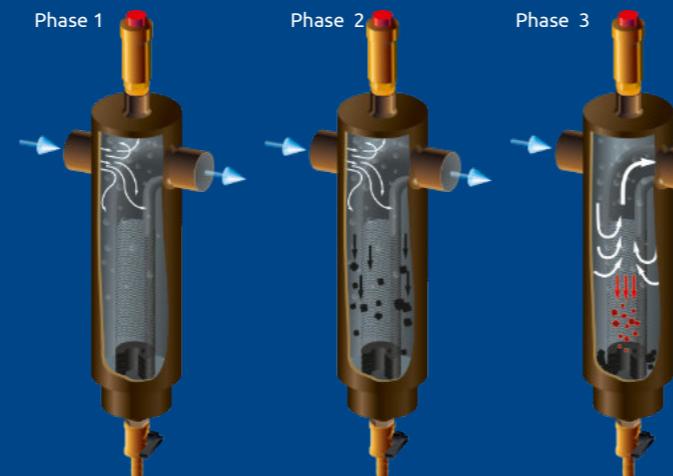
- Central heating water flow takes a whirling motion and is smashed by Hamburg knee. Initial bubble precipitation occurs Air.

## Phase 2 – SEDIMENTATION

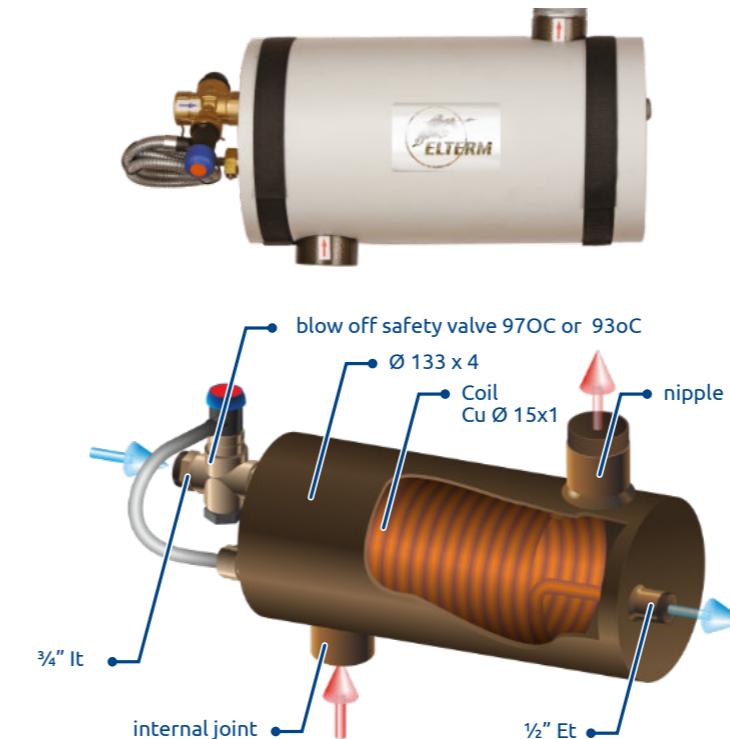
- The water in the filter separator body considerably slows down the speed, mechanical impurities > 0.125 mm fall by gravity in front of the mesh filter.

## Phase 3 - MECHANICAL FILTRATION ON A GRID + MAGNETIC FILTRATION

- Water passes through the strainer. Ferromagnetic contamination <0.125mm catches magnetic pile. The water passes through the dense mesh, there is a fundamental phase separation of air particles

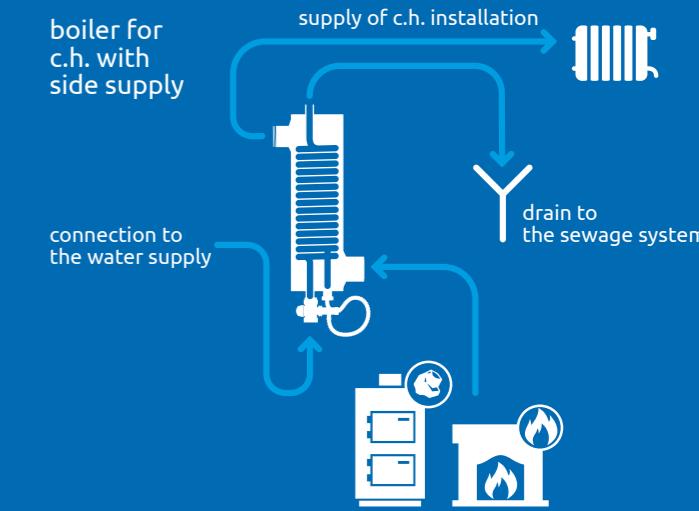
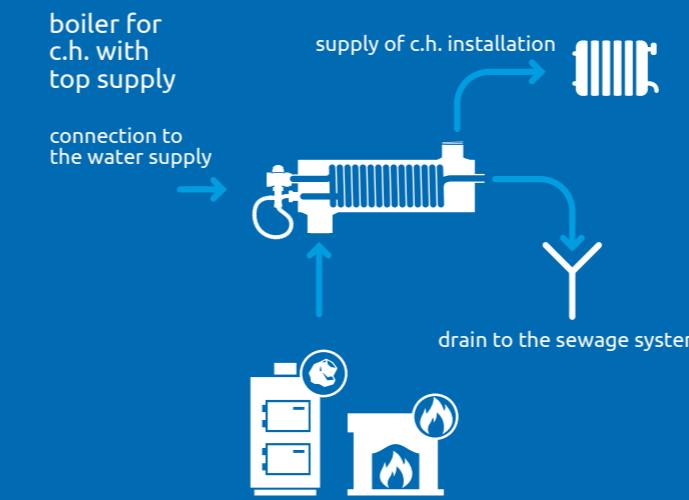


# External cooling coil Guardian



- possibility of vertical work
- possibility of horizontal work
- self-venting
- 100% pressure control

uninsulated	GUARDIAN 23 40/125	GUARDIAN 32 40/125
work temperature	93°C	93°C
item code	703323	703332
work temperature	97°C	97°C
item code	703023	703032
coil power (max. Boiler power)	23 kW	32 kW
insulated	GUARDIAN 23 40/125	GUARDIAN 32 40/125
work temperature	93°C	93°C
item code	713323	713332
work temperature	97°C	97°C
item code	713023	713032
coil power (max. Boiler power)	23 kW	32 kW



# Quartermaster controller

guarantee of reliable operation in mixed systems



- Modern, electronic, weather and room controller for the entire c.h. installation and d.h.w.
- Provides comfortable and efficient management of heat sources, Low loss header and heated rooms
- Touch and easy-to-use control panel

Quartermaster controller

item code 811246



Quartermaster controller item code 811246

## Controls:

- 1 or 2 any heat sources (boiler alter.)
- 2 heat sources simultaneously (two different heat sources or a cascade of 2 c. h. Boilers)

controls max 3 actuators 3 point 230V



x3



x5



Controls:

3 central heating pumps e.g. pump groups

1 domestic hot water pump e.g. a pump group

1 circulation pump

Controls:  
2 N/C contact (break contact) of the boilers  
or  
2 any heat source pumps or in a mixed system3 x N/C contact (break contact) for 3 CH circuits  
(possibility to connect any 3 voltage-free room thermoregulators)3 x N/C contact (break contact) for 3 CH circuits  
(possibility to connect any 3 voltage-free room thermoregulators)

weather compensation

5 independent temperature sensors, e.g.:  
3 CH circuits + hot water + low loss header  
2 CH circuits + hot water + low loss header + fireplaceThe AUTO-SUMMER function is independent for each circuit  
(turns off the circuit after exceeding a certain outside temperature)

Aplikacja internetowa na smartfona  
Steruje najważniejszymi funkcjami  
Kwatermistrza za pośrednictwem telefonu komórkowego

Sterownik Kwatermistrz + aplikacja na smartfona item code 8114246



Przewodowy, pokojowy, czujnik temperatury  
(maksymalnie 3 niezależne czujniki na każdy obwód grzewczy)

czujnik pokojowy item code 100005



Dodatkowy czujnik temperatury  
(Kwatermistrz maksymalnie obsługuje  
6 czujników temperatury)  
Najczęściej używany do wykrywania ciepła z  
kominka z płaszczem wodnym

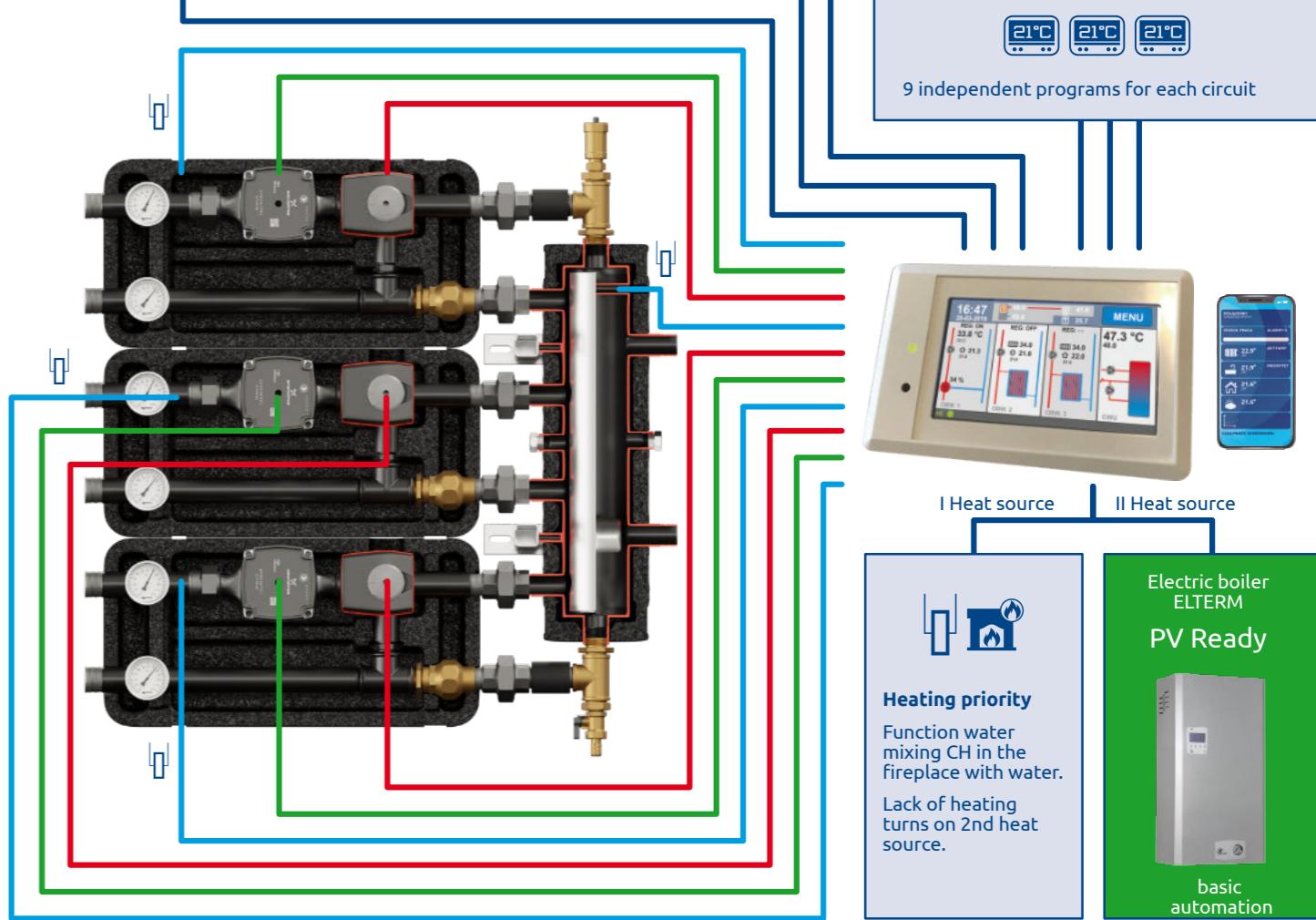
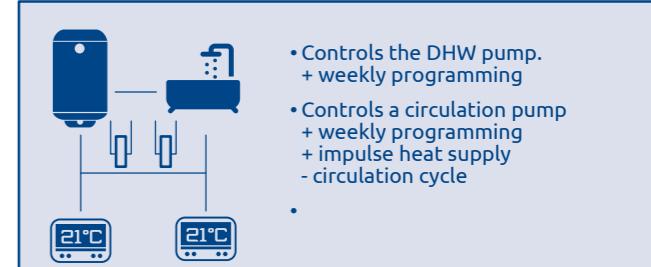
czujnik temperatury item code 100006

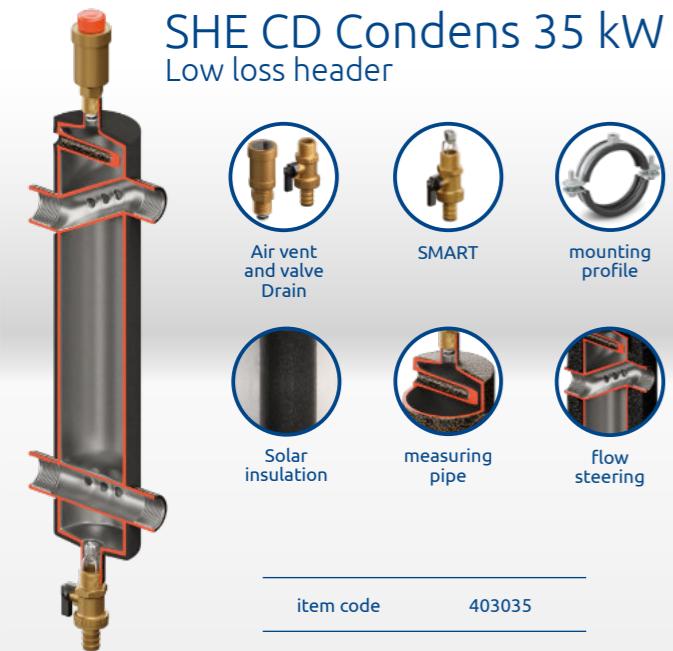
## Quartermaster controller - one of the control options

**Module + internet app for a smartphone**  
item code 100004



Smartphone web application  
Controls the most important functions  
Quartermaster via Mobile phone





Elterm- the widest choice of electric boilers

No 1 in sell boiler  
Colonel



PV Ready  
N/C contact  
(break contact) 0V



PV Ready  
break contact



Ensign and Lieutenant



PV Ready  
Maximum power lock



ELTERM M.M. Kaszuba Sp. J.  
POLSKA, 86-200 Chełmno  
ul. Przemysłowa 5

[www.elterm.pl](http://www.elterm.pl)  
e-mail: [biuro@elterm.pl](mailto:biuro@elterm.pl)  
tel. 56 686 93 05 w 21 i 22

**Przedstawiciele handlowi  
Zastępcy dyrektora**

● Karol Orenkiewicz  
tel. 607 960 980

● Karol Sroka  
tel. 601 240 250

**Dyrektor handlowy - Szkolenia**

Grzegorz Orenkiewicz  
tel. 512 225 307

**Dział handlowy fotowoltaika  
- doradztwo techniczne**

Kierownik działu sprzedaży  
Tomasz Palmowski  
tel. 506 609 764

**Dział handlowy**

tel. 667 005 000  
56 686 93 05 w. 21 i 22  
56 692 06 06  
e-mail: [biuro@elterm.pl](mailto:biuro@elterm.pl)

**Dział serwisowy**

Tomasz Nowakowski  
tel. 606 476 326  
tel. 56 686 93 05 w 23  
e-mail: [automatyk@gmail.com](mailto:automatyk@gmail.com)

@GrzejemyjakKawaleria

Elterm - Grzejemy jak kawaleria

Firma Elterm zastrzega sobie możliwość zmian konstrukcyjnych wyrobów mających na celu ich udoskonalanie. Zdjęcia są tylko poglądowe.  
Cennik nie stanowi oferty handlowej w rozumieniu kodeksu cywilnego. Ceny mogą ulec zmianie.  
Aktualny cennik zawsze na [www.elterm.pl](http://www.elterm.pl)