

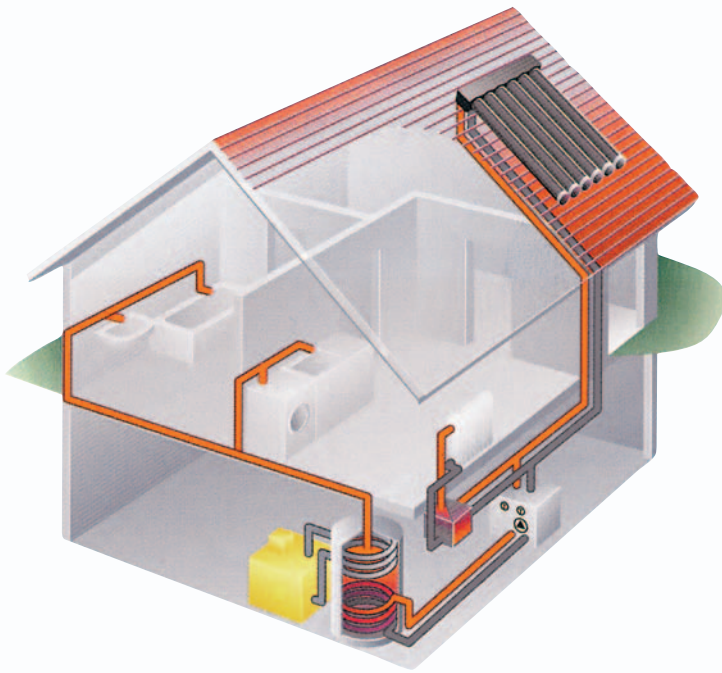


# MIXING TECHNOLOGY

WITA-Blocs T 60, T 60 R, T 60-32








**WILHELM TAAKE GMBH** Pumpen-, Armaturen- und Regeltechnik  
Böllingshöfen 85 · D-32549 Bad Oeynhausen  
Tel.: +49 (0) 57 34-5123 80 · Fax: +49 (0) 57 34-17 52  
Internet: <http://www.wita-taake.de> · e-mail: [info@wita-taake.de](mailto:info@wita-taake.de)

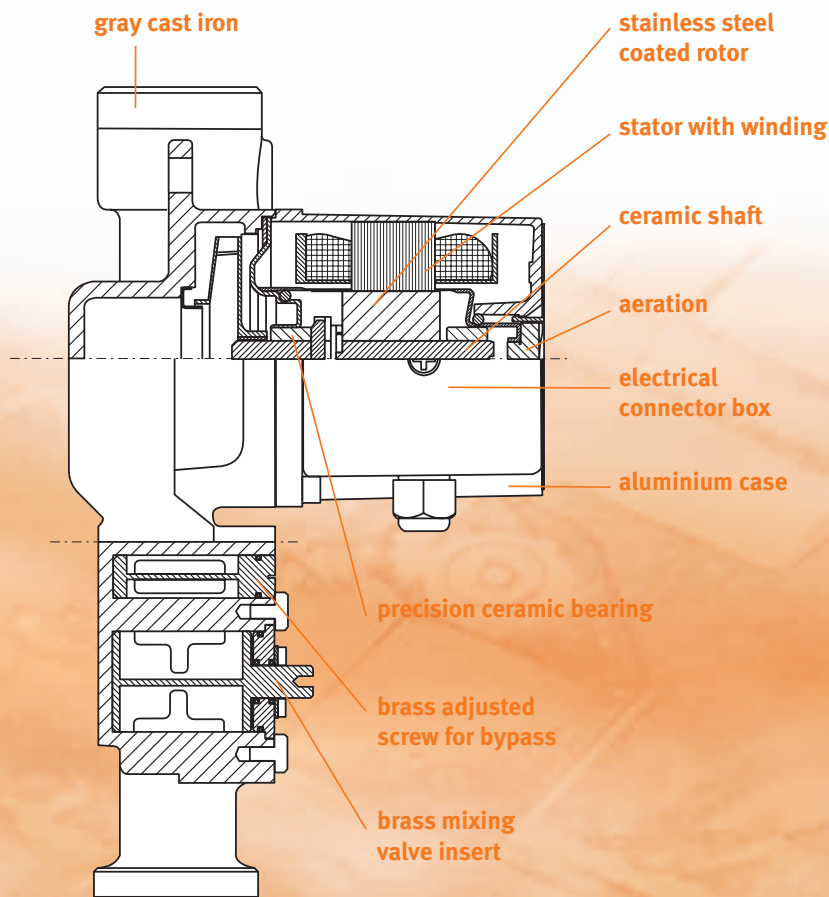


WITA has been supplying technically mature equipment for more than 40 years. We can supply all the equipment you need for a modern heating system.

**Our product range includes**

-  Mixing technology
-  Drive technology
-  Pump technology
-  Control technology
-  Fitting technology

**Cutaway model WITA Bloc**



# MIXING TECHNOLOGY

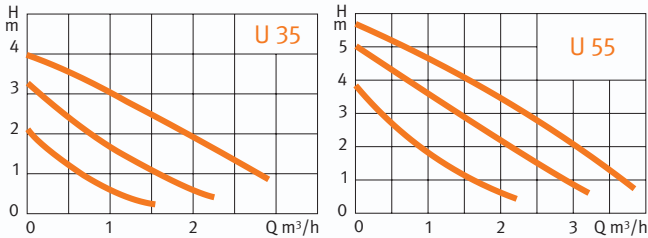
# Function & Performance Curves

## Pump

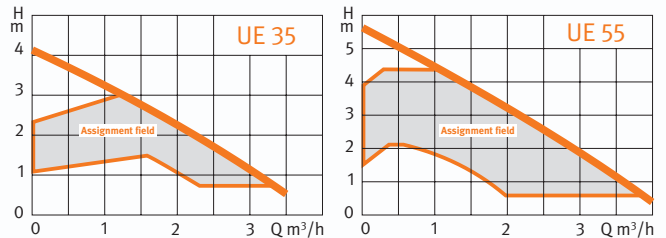
Special bearings and a bucket wheel geometry that is optimised for each model ensure that the 3 stage or electronic motor runs at a particularly low noise

level. The rotor shaft and bearings are ceramic. The rotor is technopolymer.

### 3 stage pump motor

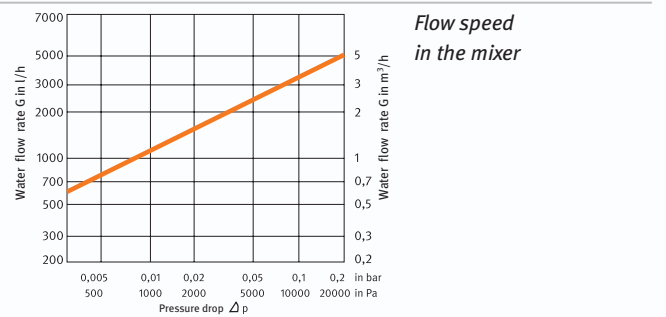


### electronic pump motor



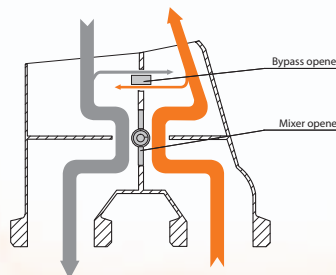
## Mix controller

The incorporated 4 way mix controller has linear temperature characteristics. Meticulously designed profiled outlets guarantee linear temperature control via the return flow admixture. The rotary valve and mixer lid are made of brass. Double O rings guarantee a tight seal. A 3 way version can be supplied on request.



## Bypass

Low temperature heating systems (floor heating) are equipped with an adjustable bypass flap. It is located between the heating supply and return. This ensures optimal control of the supply temperature, even in low temperature heating systems, due to the full utilisation of the mixing valve adjustment range of 90°.

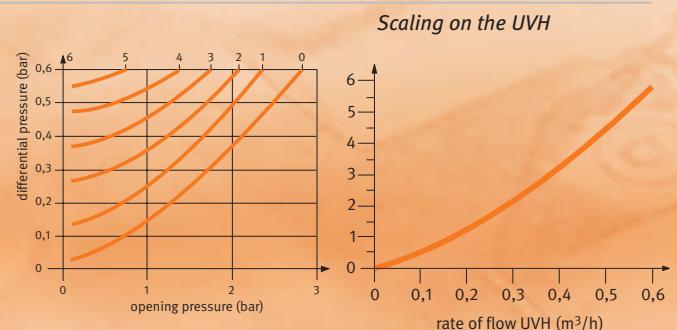


## Thermometer

The WITA blocs are fitted with supply and return thermometers.

## Overflow valve

In order to avoid flow noise, the WITA blocs T 60, T 60 R and T 60-32 can be fitted with an overflow valve. The top section of the valve is made of brass. The valve spring is made of stainless steel, the valve head of plastic. An O ring guarantees a tight seal. The valve is set using a large setting scale and can be locked in place with a screw.



## Connection

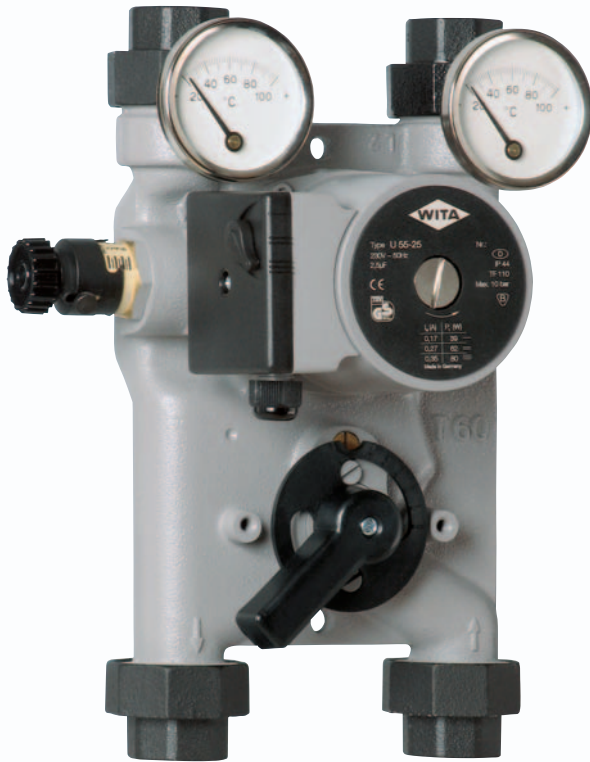
The boiler supply and return is at the bottom, and the heating supply and return is at the top of the WITA blocs.

They are fitted with 4 union nuts 1 1/2", 4 insertion parts 1" or 1 1/2" and 4 seals.



# T 60

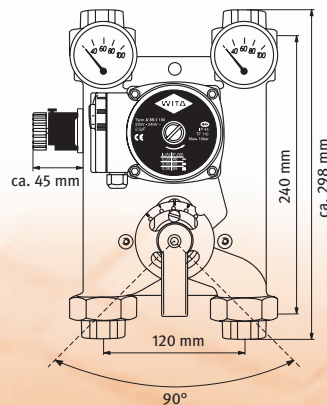
Centre distance 120 mm



The WITA Bloc T 60 is a compact fitting made of grey cast iron that combines the circulating pump, mixer and, if requested, overflow valve in a single casing. It is primarily designed for smaller and medium-sized warm water heating systems. Because of the rotational direction of the pump, the supply direction is to the right.

### Technical specifications

- 3 stage or electronic WITA circulating pump motor
- with or without adjustable overflow valve on the side
- 4 way or 3 way (on request) mixer (brass lid and tap, sealed with double O ring)
- Bypass for floor heating systems
- Supply and return thermometers
- Parallel connections with G 1 1/2"
- 4 union nuts 1 1/2", 4 insertion parts 1" and 4 seals
- Available with insulation on request



### Insulation for T 60



# MIXING TECHNOLOGY

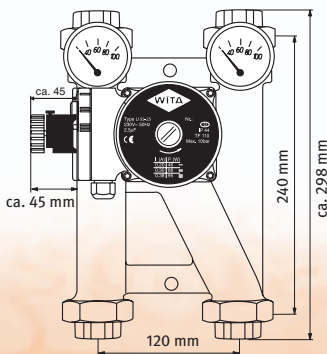
# T 60 R

Centre distance 120 mm

The WITA Bloc T 60 R is a compact fitting made of grey cast iron that combines the circulating pump and, if requested, an overflow valve in a single casing. It is primarily designed for smaller and medium-sized warm water heating systems. Because of the rotational direction of the pump, the supply direction is to the right.

## Technical specifications:

- 3 stage or electronic WITA circulating pump motor
- with or without adjustable overflow valve on the side
- Supply and return thermometers
- Parallel connections with G 1 1/2"
- 4 union nuts 1 1/2", 4 insertion parts 1" and 4 seals
- Available with insulation on request

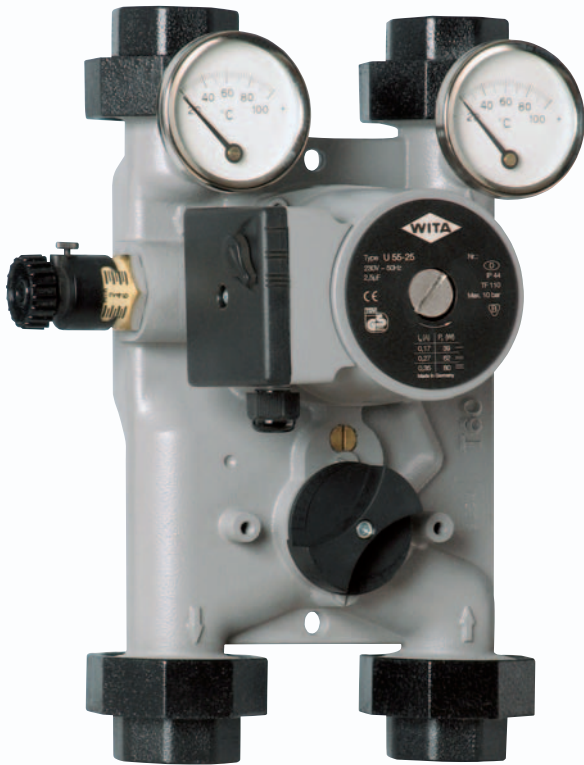


## Insulation for T 60 R



# T 60-32

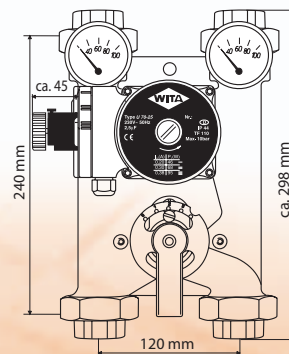
Centre distance 120 mm



The WITA Bloc T 60-32 is a compact fitting made of grey cast iron that combines the circulating pump, mixer and, if requested, overflow valve in a single casing. It is primarily designed for medium-sized and larger warm water heating systems. Because of the rotational direction of the pump, the supply direction is to the right.

## Technical specifications:

- Bore DN 32
- 3 stage or electronic WITA circulating pump motor
- with or without adjustable overflow valve on the side
- 4 way or 3 way (on request) mixer (brass lid and tap, sealed with double O ring)
- Bypass for floor heating systems
- Supply and return thermometers
- Parallel connections with G 2"
- 4 union nuts 2", 4 insertion parts 1 1/4" and 4 seals
- Available with insulation on request



## Insulation for T 60-32



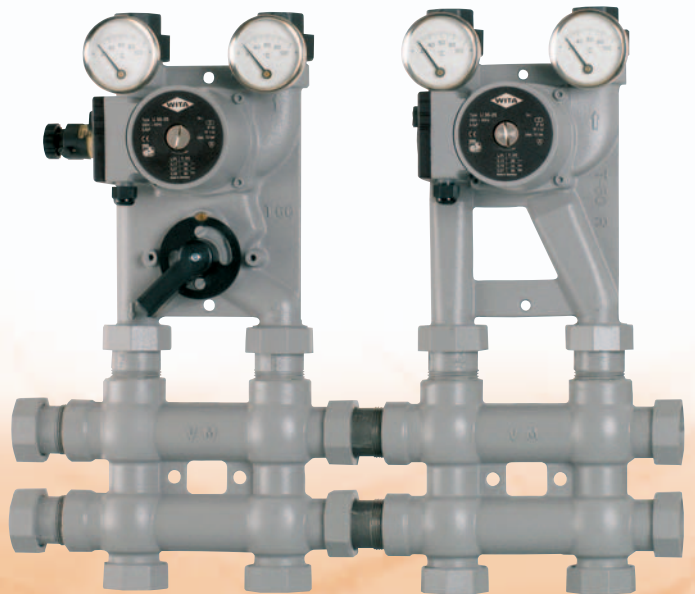
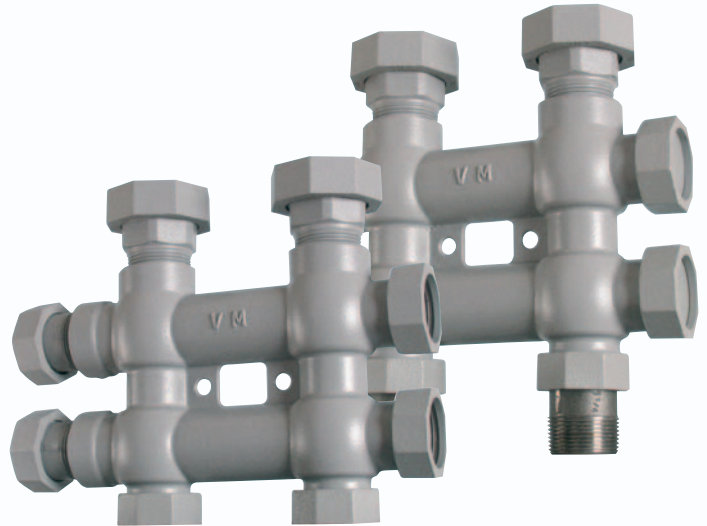
# MIXING TECHNOLOGY

# VM distributor

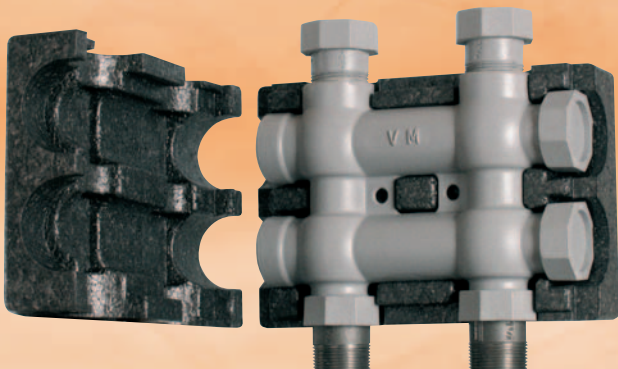
Centre distance 120 mm

## Technical specifications:




- Modular design, can be extended up to the 4-fold centre distance 120 mm (other centre distances available on request)
- Material: Grey cast iron
- Bore: DN 32
- Available with insulation on request
- Can be connected laterally (security classification)



## Insulation for VM



# Range of WITA Blocs

| Article   |  | Centre distance  | Motor head | Art. no. |          |
|---|--|--|------------|----------|----------|
|    | WITA Bloc T 60                               | 3 way with overflow valve with WITA motor head U 35                | 120 mm     | U 35     | M 39 110 |
|   |  | 3 way with overflow valve with WITA motor head U 55                | 120 mm     | U 55     | M 39 120 |
|   |  | 3 way without overflow valve with WITA motor head U 35             | 120 mm     | U 35     | M 39 130 |
|   |  | 3 way without overflow valve with WITA motor head U 55             | 120 mm     | U 55     | M 39 140 |
|   |  | 3 way without overflow valve with electronic WITA motor head UE 35 | 120 mm     | UE 35    | M 39 150 |
|   |  | 3 way without overflow valve with electronic WITA motor head UE 55 | 120 mm     | UE 55    | M 39 160 |
|   |  | 4 way with overflow valve with WITA motor head U 35                | 120 mm     | U 35     | M 39 210 |
|   |  | 4 way with overflow valve with WITA motor head U 55                | 120 mm     | U 55     | M 39 220 |
|   |  | 4 way without overflow valve with WITA motor head U 35             | 120 mm     | U 35     | M 39 230 |
|   |  | 4 way without overflow valve with WITA motor head U 55             | 120 mm     | U 55     | M 39 240 |
|   |  | 4 way without overflow valve with electronic WITA motor head UE 35 | 120 mm     | UE 35    | M 39 250 |
|   |  | 4 way without overflow valve with electronic WITA motor head UE 55 | 120 mm     | UE 55    | M 39 260 |
|    | WITA Bloc T 60 R                             | with overflow valve with WITA motor head U 35                      | 120 mm     | U 35     | M 39 410 |
|   |  | with overflow valve with WITA motor head U 55                      | 120 mm     | U 55     | M 39 420 |
|   |  | without overflow valve with WITA motor head U 35                   | 120 mm     | U 35     | M 39 430 |
|   |  | without overflow valve with WITA motor head U 55                   | 120 mm     | U 55     | M 39 440 |
|   |  | without overflow valve with electronic WITA motor head U 35        | 120 mm     | UE 35    | M 39 450 |
|   |  | without overflow valve with electronic WITA motor head U 55        | 120 mm     | UE 55    | M 39 460 |
|  | WITA Bloc T 60-32                            | 3 way with overflow valve with WITA motor head U 35                | 120 mm     | U 35     | M 39 510 |
|   |  | 3 way with overflow valve with WITA motor head U 55                | 120 mm     | U 55     | M 39 520 |
|   |  | 3 way without overflow valve with WITA motor head U 35             | 120 mm     | U 35     | M 39 540 |
|   |  | 3 way without overflow valve with WITA motor head U 55             | 120 mm     | U 55     | M 39 550 |
|   |  | 3 way without overflow valve with electronic WITA motor head UE 35 | 120 mm     | UE 35    | M 39 570 |
|   |  | 3 way without overflow valve with electronic WITA motor head UE 55 | 120 mm     | UE 55    | M 39 580 |
|   |  | 4 way with overflow valve with WITA motor head U 35                | 120 mm     | U 35     | M 39 610 |
|   |  | 4 way with overflow valve with WITA motor head U 55                | 120 mm     | U 55     | M 39 620 |
|   |  | 4 way without overflow valve with WITA motor head U 35             | 120 mm     | U 35     | M 39 640 |
|   |  | 4 way without overflow valve with WITA motor head U 55             | 120 mm     | U 55     | M 39 650 |
|   |  | 4 way without overflow valve with electronic WITA motor head UE 35 | 120 mm     | UE 35    | M 39 670 |
|   |  | 4 way without overflow valve with electronic WITA motor head UE 55 | 120 mm     | UE 55    | M 39 680 |
| ACCESSORIES   | Insulation for Bloc T 60, T 60 R and T 60-32 |  |            | M 00 200 |          |

# Range of distributors



| Article        |                            | Centre distance | Union nut | Art. no. |
|----------------|----------------------------|-----------------|-----------|----------|
| VM distributor | Basic module               | 120 mm          | 1 1/2"    | M 32 110 |
|                | Extension module           | 120 mm          | 1 1/2"    | M 32 120 |
|                | Basic module               | 120 mm          | 2"        | M 32 210 |
|                | Extension module           | 120 mm          | 2"        | M 32 220 |
| ACCESSORIES    | Insulation for distributor |                 |           | M 00 300 |