

Instantaneous water heater

DLE...

including insulation, compatible with all screw-in heaters of series ASKOHEAT up to 9.0 kW



Application

- For heating up heating water, for installation in piping systems
- In the case of drinking water, the problem of "calcification" must be assessed, this depends on the location

Warning

- The instantaneous water heater must **not** be put into operation if:
- there is a possibility that the water in the instantaneous water heater is frozen
 - there is no water in the instantaneous water heater
 - there is no water flow

Features

- Min. inlet pressure 0.1 bar [10 kPa], max. inlet pressure 6.0 bar [600 kPa]
- The instantaneous water heater comprises stainless steel V2A [1.4301 / AISI 304L]
- The insulation is made of PU solid foam IHS 3080 black and has a thickness of 20 mm
- Data sheets of the compatible **ASKOHEAT** devices:
 - 012-3201 / 012-3301 / 012-3401 / 012-3501 / 012-3701 / 012-3801

Type summary

| Type | Order no. | Compatible ASKOHEAT | Installation lenght |
|--|-----------|--|---------------------|
| DLE 530, 1½" Water connection: R 1" AG | 012-2533 | All standard types up to 4.5kW or immersion length 500mm | 530 mm |
| DLE 740, 1½" Water connection: R 1¼" AG | 012-2535 | All standard types up to 7.5kW or immersion length 700mm | 740 mm |
| DLE 760, 1½" Water connection: R 1¼" AG | 012-2536 | All standard types up to 9.0 kW or immersion length 750mm | 760 mm |

Technical data

The following indications are valid for the above listed standard types. Due to the function, other types might show different data.

| | | |
|-------------------|--|--|
| Application range | Liquids | Only for drinking or heating water |
| Specification | Material instantaneous water heater Insulation material | ACCIAIO INOX AISI304L (V2A 1.4301) PU solid foam IHS 3080 black |
| Connection | DLE 530 (up to 4.5 kW) DLE 740 (up to 7.5 kW) DLE 760 (up to 9.0 kW) | 1" external thread 1¼" external thread 1¼" external thread |

Fitting notes

- The water outlet must always be at the top so that any air can escape, see installation positions
- The instantaneous water heater must not drain independently
- In a piping system, the instantaneous water heater must be fitted at the bottom
- If the instantaneous water heater is installed in the area of combustible items, there must be adequately large spacings or base supports made of non-combustible materials must be fitted

Minimum volumetric flow rate [l/min.]

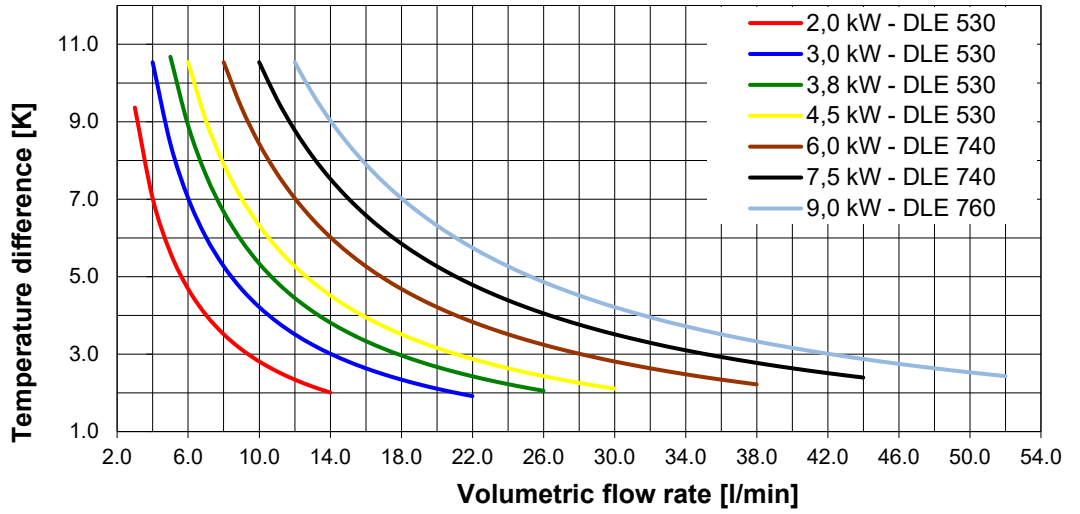
Horizontal installation (layered construction):

| | |
|------------------|-----------|
| 2.0 up to 4.5 kW | 5 l/min. |
| 6.0 kW | 9 l/min. |
| 7.5 kW | 15 l/min. |
| 9.0 kW | 20 l/min. |

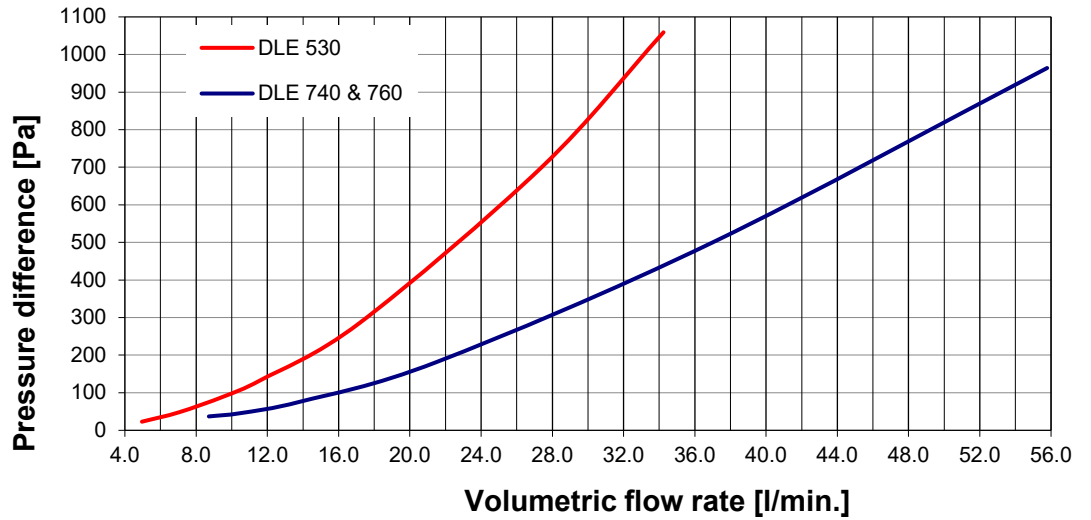
Vertical installation:

| | |
|------------------|----------|
| 2.0 up to 4.5 kW | 2 l/min. |
| 6.0 kW | 3 l/min. |
| 7.5 kW | 4 l/min. |
| 9.0 kW | 5 l/min. |

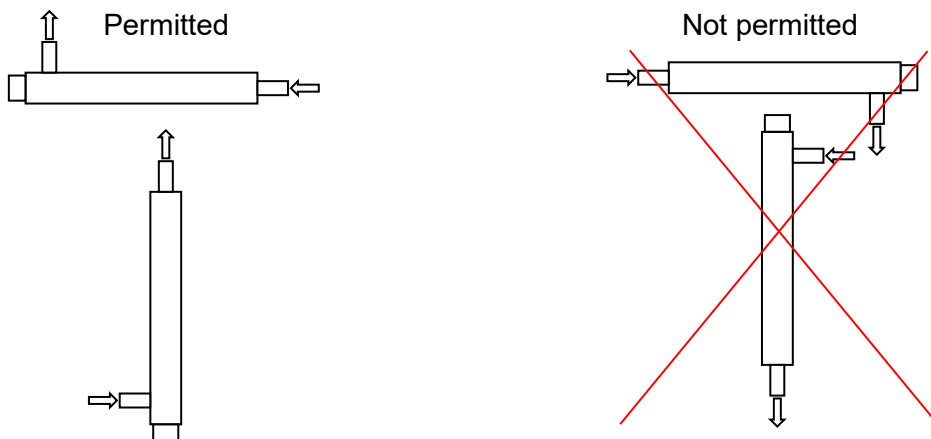
Hot water capacity



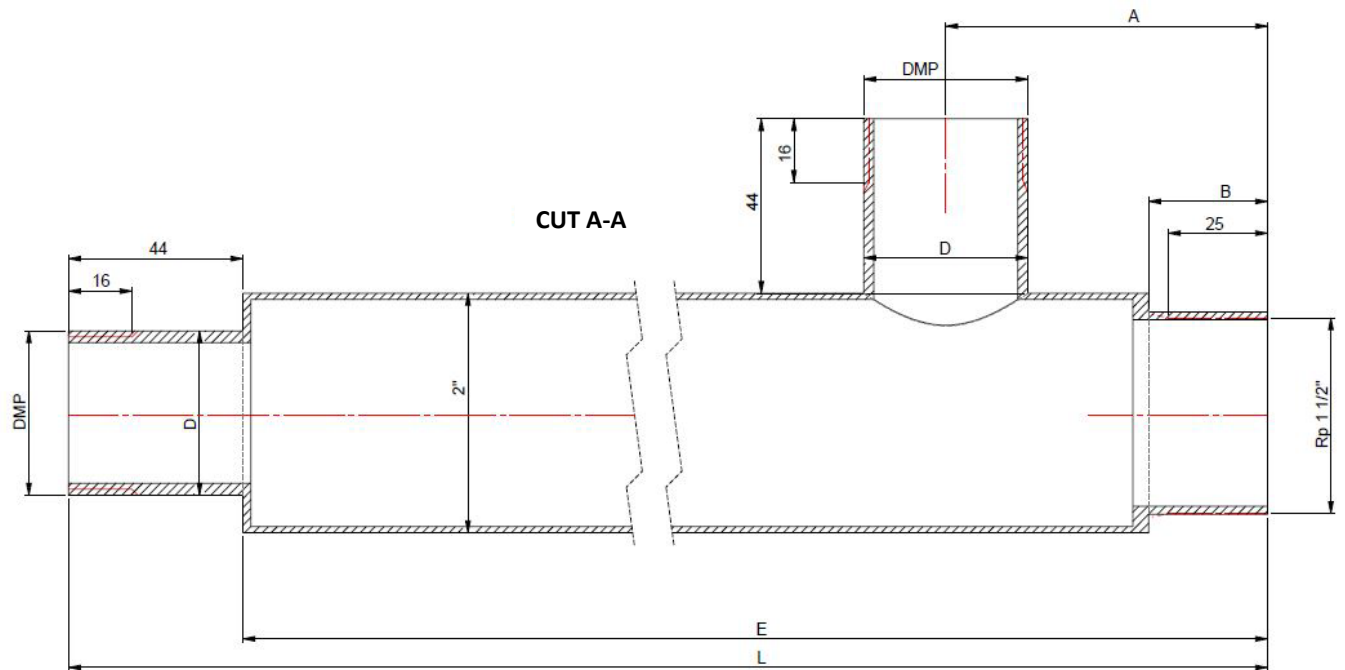
Pressure loss



Installation positions flow direction



Dimension drawing



| Type | DPM | L | E | A | B |
|---------|----------|--------|--------|----------|-------|
| DLE 530 | R 1" | 574 mm | 530 mm | 76.8 mm | 30 mm |
| DLE 740 | R 1 1/4" | 784 mm | 740 mm | 81.2 mm | 30 mm |
| DLE 760 | R 1 1/4" | 803 mm | 758 mm | 101.2 mm | 50 mm |