

Grundfos COMFORT TDT with timer
and temperature control:

Hot water recirculation the clever way

COMFORT pumps are efficient circulators designed for hot water recirculation in residential buildings with a dedicated return line. The pumps are compatible with all types of water heater tanks or heat pumps regardless of whether the system has mixing or tampering valves installed.

COMFORT TDT features timer and temperature control mode, which enables the pump to operate based on set operating times and the functionalities of temperature mode, with operating times taking priority. This means that the temperature mode is only active during the specified operating times. This control mode automatically activates the pump when the internal temperature sensor detects that the water temperature drops below a certain level. The control mode automatically adjusts the on/off temperature based on the maximum temperature measured in the system. This is measured every 12 hours for 15 minutes, enabling dynamic adjustment of the on/off temperature.



Easy sizing

Pump performance is ideal for one or two-family private homes.



Instant hot water

Improves comfort and eliminates waiting for hot water.



Water savings

Saves up to 10,000 gal. / 38,000 litres of water annually.



Improved hygiene

Water stagnation, bad smell and bacteria formation is avoided by frequent recirculation.



Low energy consumption

Timer and temperature control mode significantly reduces the heat energy consumed by the water heater and saves up to 56% heat energy compared to a continuously running pump.

Technical data

Max flow	2.2 gpm
Max head	3.5 ft
Liquid temperature	36 °F - 176 °F
Max power	6 W
Noise level	22 dB(A)
Drinking water approvals	NSF(UL)

Discover more

Take an in-depth exploration of the COMFORT range in our free Ecademy course. You'll discover the various control modes, how to install and set up, and all about the benefits of COMFORT and hot water recirculation.



Go to Ecademy
to learn more

GRUNDFOS

Possibility in every drop

Choose the best hot water recirculator for you

Each pump in the COMFORT range is designed to provide maximum comfort with minimised energy consumption. Selecting the right one is as simple as determining which control mode suits each household's needs. Compared to continuous operation, different control modes can also further reduce recirculation heat energy losses.



COMFORT T

Temperature control: Best for homes with no specific daily schedule, some energy concerns and focused on comfort. No manual settings required.

Recirculation heat energy losses



COMFORT TDT

Timer & temperature control: Best for homes with a specific time schedule and strong desire to reduce energy usage. Requires manual timer settings.



COMFORT TA

AUTOADAPT control: Best for homes where the daily schedule is not easy to define, and the family wishes to maximise energy savings.

Temperature control: Well suited to holiday homes. No manual settings required. **Continuous operation 24/7.**



Design features:

- **Prevents pipe erosion and pin holes**
Compliant with pipe manufacturers' recommendations on flow velocity limits for ½" and ¾" pipe dimensions.
- **No clogging**
Semi-spherical motor design ensures maximum resistance against blockage caused by lime in water of unlimited hardness.
- **Easy installation**
Compact design for installation in confined spaces, even with the pump head pointing downwards. The line cord enables quick electrical connection.
- **Dry-running protection**
Ensures long pump lifetime and hassle-free commissioning.
- **Easy maintenance**
The detachable design of the head allows cleaning of the pump in no time.
- **Reduced cost of installation**
Non-return and shut-off valves included in X variant and variants for North America. Optional venting flange available, providing a simple way to vent or drain the system without need for permanently installing additional vent valve or hose bib.
- **Universal replacement**
Pump head designed to fit all brass pump housings from different brands.

Types

Product	Type key	Port to port length	Connection	Control feature
92957794	COMFORT 10-16 T BU/LC	4.3 in	1-1/4" NPSM	Temperature
93094713	COMFORT 10-16 TDT BU/LC	4.3 in	1-1/4" NPSM	Time and temperature
98420224	COMFORT 10-16 TA BU/LC	4.3 in	1-1/4" NPSM	AUTODAPT and temperature

You can find more information about the Grundfos COMFORT portfolio at grundfos.com

UNION	
529912	Bronze, ¾" NPT x Union Fitting Set
529913	Bronze, ½" Sweat x Union Fitting Set
529911	Bronze, ¾" Sweat x Union Fitting Set
93125844	Union Kit GU125 x ½" PEX Crimp
93125859	Union Kit GU125 x ¾" PEX Crimp
UNION ISOLATION VALVE	
519850	Bronze, ½" NPT x Union Iso Valve Fitting Set
519852	Bronze, ¾" NPT x Union Iso Valve Fitting Set
519851	Bronze, ¾" Compression x Union Fitting Set

Performance curves

