

HYGIENIK STORAGE TANK 2.0 FRESH WATER STATION 2.0



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iNTELLiGENT HEAT PUMPS FROM AUSTRIA
www.idm-energie.com

iDM HYGIENIK COMBINED STORAGE TANK

Water is only heated whenever you need it. The water in the Hygienik is only for heating. This means that your hot water for drinking, washing and rinsing is always fresh. The Hygienik is a **hot water storage tank** and a **drinking water heater** for all existing heating systems. The Hygienik fresh water system offers you hygienic and convenient fresh water technology.

- ◉ **Stainless steel plate heat exchanger - free of non-ferrous metal**
- ◉ **Saves space - one storage tank for heating and hot water**
- ◉ **Fresh water technology for hygienic hot water and a high level of convenience**
- ◉ **Multivalent system for renovation and an integration of solar panels**
- ◉ **Optimised connections for operation with heat pumps**



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New for solar systems: Hygienik 825/25 and 35 with mixing valve, layer separation plate and smooth tube heat exchanger 2.8 m²

FIRST-CLASS TEMPERATURE LAYERING FOR FRESH WATER CONSUMPTION

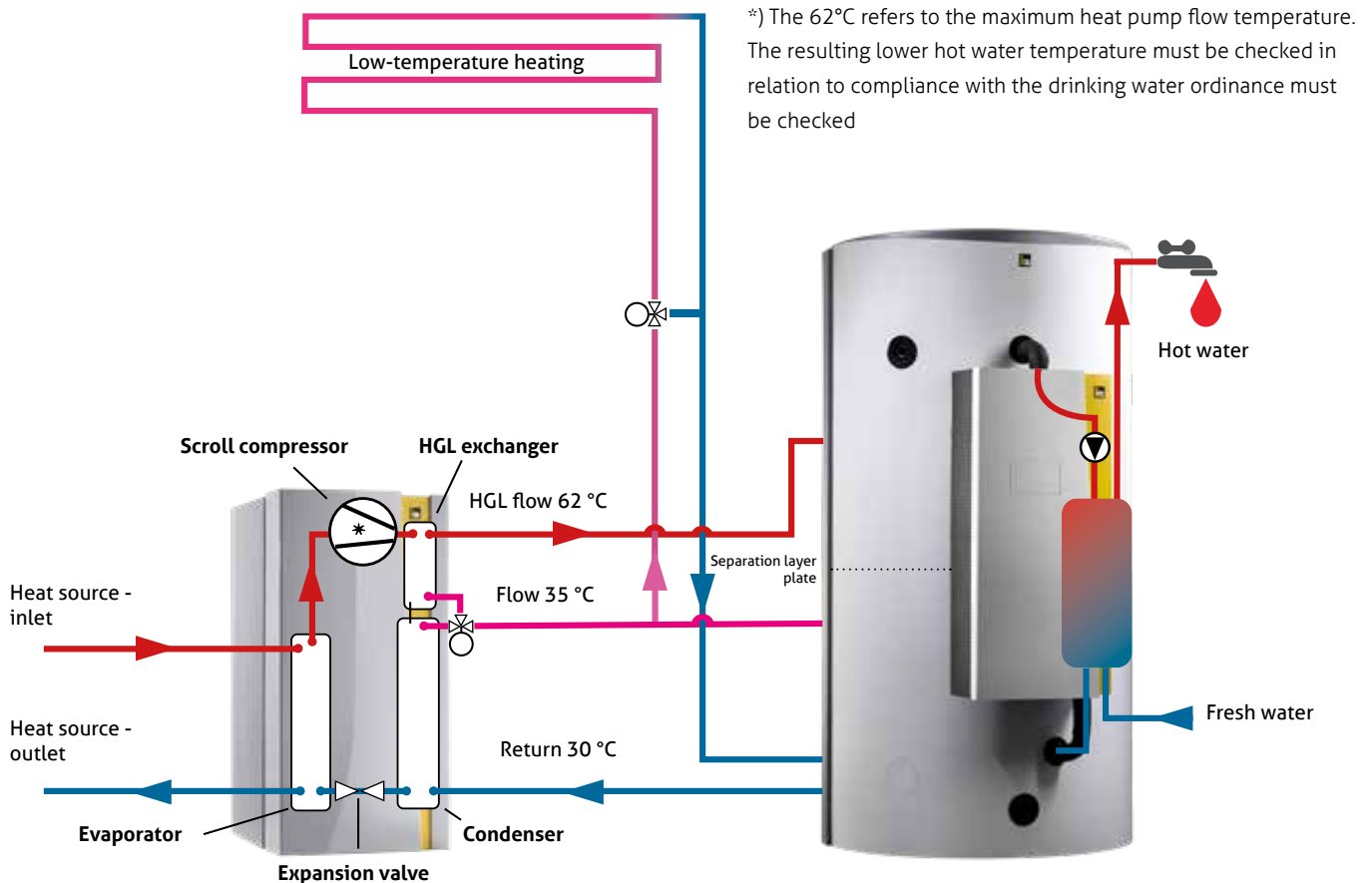
- ◉ Stratified storage tank technology for optimised energy use
- ◉ The storage tank is cooled from the bottom up
- ◉ Higher temperatures remain available in the top area
- ◉ Very low return flow temperature in the storage tank
- ◉ Drain up to 2.100 litres of hot water at 45 °C



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THE BENEFITS OF THE CONTROLLED HGL TECHNOLOGY WITH HYGIENIC FRESH WATER HEATING

iDM heat pumps save costs, because the controlled HGL technology means more than 85 % of the energy is fed into the heating circuit at 35 °C. The remaining part reaches a temperature of 62 °C*, and the content is made available for hot water preparation via the Hygienik tank with fresh water technology. The Hygienik fresh water technology produces fresh hot water within seconds. The water in the storage tank is for heating only. The drinking water is always heated when it is tapped. As a result, the formation of microorganisms such as Legionella and other bacteria is prevented.



iDM FRESH WATER STATION



The **iDM fresh water station** can either be mounted **directly on the Hygienik** or on the wall.

The **iDM fresh water station** ensures a comforting supply of hygienic hot water in a matter of seconds.

The **stainless steel plate heat exchanger** (free of non-ferrous metal) guarantees long durability, high corrosion resistance and first class hygienical standard.

TECHNICAL DATA

HYGIENIK Type	Unit	500/25	500/35	825/25	825/35	1000/25	1000/35	1000/50
Energy efficiency class		B	B	¹⁾	¹⁾	¹⁾	¹⁾	¹⁾
Delivery output	l/min	25	35	25	35	25	35	50
Reservoir content	Litres	500		825		920		
One-off delivery volume at 45 °C ²⁾	Litres	525		866		966		
Dimensions (DxH) with insulation	mm	1890x870		1970x1022		2170x1018		
Yield measurement	mm	650				790		
Fresh water station	kg	33	35	33	35	33	35	45
Total weight (storage tank + insulation + fresh water station)	kg	148	150	162	164	171	173	183
Heat exchanger surface ²⁾	m ²	-	-	2,8	2,8	-	-	-
Max. collector surface ²⁾	m ²	-	-	12	12	-	-	-

HYGIENIK Type	Unit	1500/25	1500/35	1500/50	1500/70	2000/25	2000/35	2000/50	2000/70
Energy efficiency class		¹⁾	¹⁾	¹⁾	¹⁾	¹⁾	¹⁾	¹⁾	¹⁾
Delivery output	l/min	25	35	50	70	25	35	50	70
Reservoir content	Litres	1500				2000			
One-off delivery volume at 45 °C ²⁾	Litres	1575				2100			
Dimensions (DxH) with insulation	mm	2400x1170				2505x1340			
Yield measurement	mm	950				1100			
Fresh water station	kg	33	35	45	52	33	35	45	52
Total weight (storage tank + insulation + fresh water station)	kg	251	253	263	270	297	299	309	316

* Once the entire Hygienik is heated at 60 °C, with speed control for plate exchanger pump.

¹⁾ No energy efficiency class is stated, as storage tanks with reservoir content >500 l are not within the scope of the EU-Regulation No. 812/2013 for energy labelling of space heaters and combination heaters.

²⁾ Without separation layer plate.



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