

HYGIENIK STORAGE TANK 2.0 FRESH WATER STATION 2.0



HEAT PUMPS FROM AUSTRIA

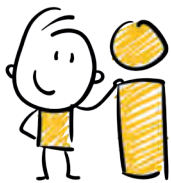
www.idm-energie.at

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

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- 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

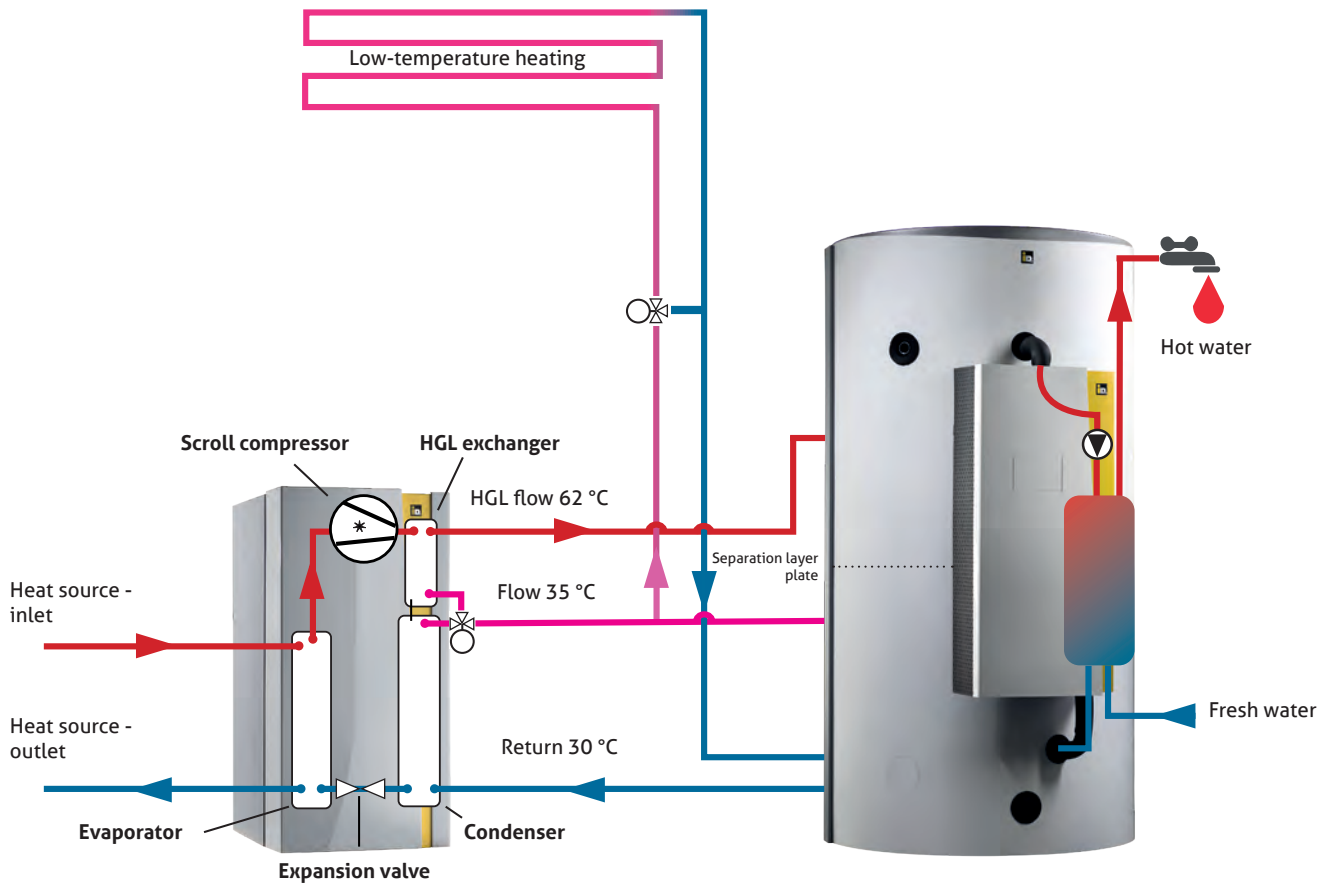
- Stratified storage tank technology for optimised energy use
- The storage tank is cooled from the bottom up
- Higher temperatures remain available in the top area
- Very low return flow temperature in the storage tank
- Drain up to 2.100 litres of hot water at 45 °C



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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 without separation layer plate - storage tank + insulation + fresh water station	kg	144	146	152	154	161	163	173
Total weight with separation layer plate - storage tank + insulation + fresh water station	kg	148	150	162	164	171	173	183

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 without separation layer plate - storage tank + insulation + fresh water station	kg	245	247	257	264	283	285	295	302	
Total weight with separation layer plate - 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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02.2021/8183801 • iDM product sheet Hygienik
 Changes & errors excepted.

