



Typ USW-1

Domestic hot water heater exclusively stainless steel to ANSI 316L / 316 Ti

From 1250 to 8000 liter

- For use with district heating, solar, boilers, and condensing technology
- with an internal smooth pipe register
- Corrosion resistant
- Sensor terminal strips for all standard sensors of 6 to 12 mm
- Heating in the lower ground area also
- Hygienic through smooth pipe register

Designed, manufactured and tested according to DIN 4753, DIN EN 12897, and company standards in addition to PED-European Equipment Directive. Production monitored and certified by TÜV Rheinland. TIG but-welded with no crease. Complete tank pickled and passivated.

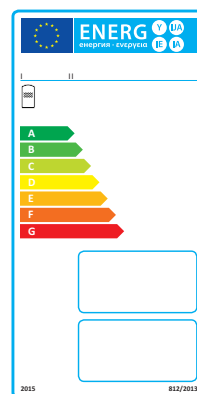
Operating pressure	max. 10 bar
Operating pressure smooth pipe register	max. 25 bar
Operating temperature	max. 95° C
Operating temperature smooth pipe register	max. 200° C

Accessories - optional:

- Dipping sleeve G 1/2" made out of stainless steel ANSI 316 Ti, L = 200 mm
- Thermometer
- Flange cover with G 1 1/2" connection for electric heater
- Screw-in heater 12 kW
- Flange heater 15 kW

Insulation:

- 100 mm covered with PS-jacket
- colour RAL 9022 silver
- other colours on demand
- fire classification B2
- CE-marking and energy label up to 2.000 l on request
- CFC-free
- 100 % recycable



European energy label



Head quarter:

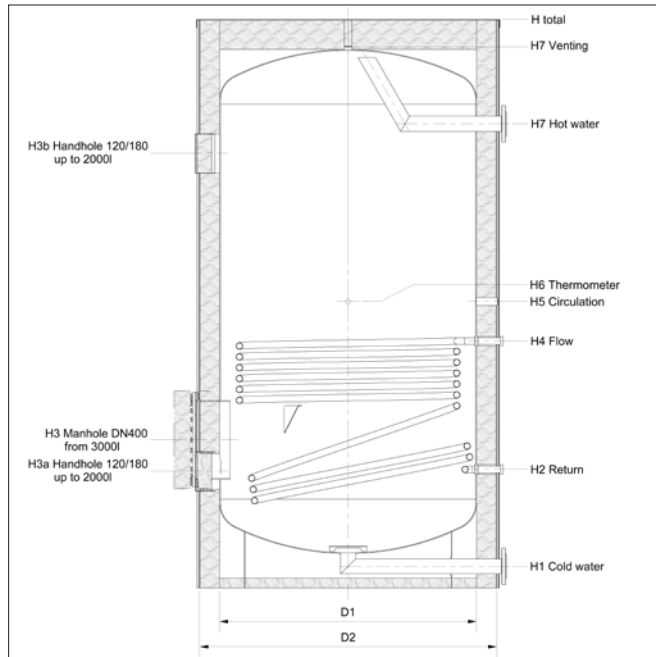
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Energy related Product (ErP) Directive

Product data sheet

Acc. to (1) Commission Regulation (EU)
No 814/2013: „ecodesign requirements of“

(2) Commission deligated regulation (EU)
No 812/2013: „Energy labelling“ of
water heaters and hot water storage tanks.

- max. operating pressure: 10 bar
- max. operating pressure smooth pipe register: 25 bar
- max. operating temperature: 95° C
- max. operating temperature smooth pipe register: 200° C *
- with an internal smooth pipe register
- all connections acc. to ISO 228-1
- Insulation:
 - 100 mm covered with PS-jacked
 - colour RAL 9022 silver
 - other colours on demand
 - fire classification B2
 - CE-marking and energy label up to 2.000 l on request
 - CFC free
 - 100 % recycable
- subject to technical changes

Capacity	1250	1500	2000	3000	4000	5000	6000	7000	8000
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Measures in mm

H1	90	90	90	110	115	115	115	135	135
H2	510	510	510	600	660	660	695	715	715
H3	550/1510	550/1535	550/1785	750	810	810	890	910	910
H4	970	1180	1180	1250	1360	1510	1395	1500	1500
H5	1070	1410	1410	1450	1510	1710	1515	1640	1640
H6	1420	1560	1560	2025	2260	2700	2100	2450	2750
H7	1560	1810	2060	2350	2660	3160	2285	2705	3055
H8	1895	2145	2421	2741	3080	3580	2846	3266	3616
H total with insulation	1979	2230	2505	2826	3165	3665	2935	3355	3705
Diagonal height without insulation ±5	1970	2205	2470	2825	3160	3640	3005	3385	3710
Diagonal height with insulation ±5	2314	2531	2822	3199	3546	3999	3552	3906	4210
D1	1000	1000	1100	1300	1400	1400	1800	1800	1800
D2 polyestervlies	1200	1200	1300	1500	1600	1600	2000	2000	2000
Weight without insulation (kg)	214	239	283	496	590	678	1204	1336	1435

Connections

Cold and hot water	G 2"	G 2"	G 2"	DN65	DN65	DN65	DN65	DN100	DN100
Circulation	G ¾"	G ¾"	G ¾"	G 1"	G 1"	G 1"	G 1"	G 1"	G 1"
Thermostat	G ½"	G ½"	G ½"	G ½"	G ½"	G ½"	G ½"	G ½"	G ½"
Thermometer	G ½"	G ½"	G ½"	G ½"	G ½"	G ½"	G ½"	G ½"	G ½"
Sensor terminal strip	3x300	3x300	3x300	3x300	3x300	3x300	3x300	3x300	3x300
Venting	G 1"	G 1"	G 1"	G 1"	G 1"	G 1"	G 1"	G 1"	G 1"
Heating register	AG 1½"	AG 1½"	AG 1½"	AG 1½"	AG 1½"	AG 1½"	AG 1½"	AG 1½"	AG 1½"
Heating surface in m²	2,83	3,24	3,24	3,3	4,0	5,2	5,2	6,2	6,2

* Operating medium register: liquid state, not hazardous to health

Company standard - changable to customers request!

Vessel from 6000L stand on feets – tubular support!