



# Typ USE-1<sup>plus</sup>

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

### From 150 to 1000 liter

- For use with district heating, solar, boilers, and condensing technology
- With an internal smooth pipe register
- Corrosion resistant
- Connection for electric heater G 1 1/2"
- Thermostat connection G 1/2"
- 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 dip-pickled and passivated.

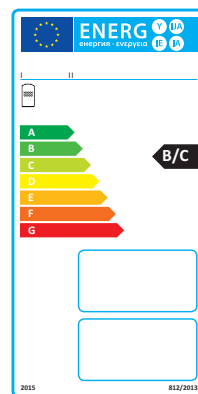
Operating pressure	max. 10 bar
Operating pressure smooth pipe register	max. 25 bar
Operating temperature	max. 95° C
Operating temperature smooth pipe register	max. 200° C

### 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
- CFC-free
- 100 % recyclable



European energy label

*Best Deal - STAINLESS STEEL*



Head quarter:

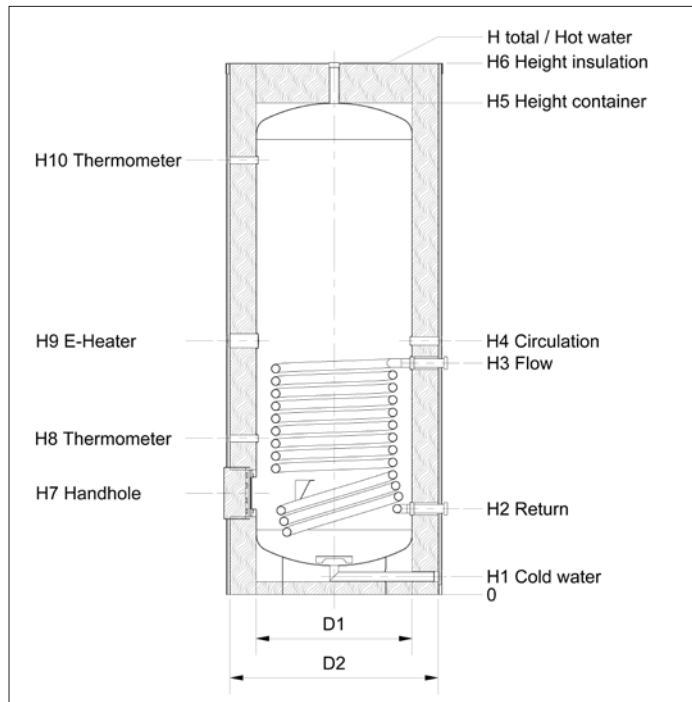
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## Domestic hot water heater exclusively stainless steel to ANSI 316L / 316 Ti



### 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<sup>\*\*\*</sup>
- 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
  - CFC free
  - 100 % recyclable
- USE1plus 150 thermostat- and thermometer connections are placed 180° offset
- subject to technical changes

Capacity	150	200	300	400	500	600	750	1000
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#### Measures in mm

H1	65	65	65	70	70	70	80	70
H2	260	305	305	330	330	350	380	405
H3	685	605	795	890	890	910	940	1005
H4	760	685	870	975	975	995	1025	1140
H5	1296	1345	1595	1640	1890	1912	1973	2016
H6	1446	1495	1745	1790	2040	2062	2123	2166
H7	340	365	365	390	390	410	440	465
H8	500	500	600	600	600	620	700	700
H9	760	685	870	975	975	995	1025	1140
H10	1130	1145	1375	1420	1670	1690	1720	1745
H total with insulation	1450	1500	1750	1795	2045	2065	2125	2170
Diagonal height without insulation ±5	1470	1520	1770	1815	2065	2090	2155	2210
D1 diameter without insulation	400	500	500	600	600	650	750	850
D2 diameter with insulation	600	700	700	800	800	850	950	1050
Weight (kg)	37	45	61	75	81	100	128	167
Energy efficiency class	B	B	B	B	B	B	C	C
Standing losses „S“ in Watt/h	41	47	56	68	78	86	102	119

#### Connections

Inspection flange*	120/180	120/180	120/180	120/180	120/180	120/180	120/180	120/180
Cold and hot water	G 1"	G 1"	G 1"	G 1"	G 1"	G 1"	G 1½"	G 1½"
Circulation return	G ¾"	G ¾"	G ¾"	G ¾"	G ¾"	G ¾"	G ¾"	G ¾"
Thermostat	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"
Electric heater	G 1½"	G 1½"	G 1½"	G 1½"	G 1½"	G 1½"	G 1½"	G 1½"
Heating register	AG 1"	AG 1"	AG 1¼"	AG 1½"	AG 1½"	AG 1½"	AG 1½"	AG 1½"
Heating surface in m <sup>2</sup>	0,9	0,9	1,4	1,8	1,8	1,8	2,4	2,8

#### Performance data

Performance factor acc. to DIN 4708	2	4	12	20	23	26	35	46
Continuous Performance ** Liter/h	926	978	1522	1743	1924	2012	2413	2846

\* special equipment for electric heater: Flange cover with sleeve G 1 ½", \*\* during 10/80/45°C, \*\*\* Operating medium Register: Liquid state, not hazardous to health