

**SOLAR DHW CYLINDERS**  
**SEM-1-500/750/1000**  
**SEM-2-300/400**  
**SEM-1W-360**

**Low heat losses** due to high grade rigid PUR foam or polyester fleece thermal insulation below the foil jacket of the cylinder

**Solar DHW cylinder** made from steel with quality certificate, two-layer enamel coating and two smooth tube indirect coils

**Large indirect coil surface areas** ensure a short heat-up time and a high continuous DHW output

**Solar pump assembly** can be fitted directly to the SEM-2 solar DHW cylinder

**Connection** for an electric booster heater

**10 BENEFITS OF THE WOLF SOLAR DHW CYLINDER SEM-1 / SEM-2 SEM-1W**

**Side flange** for additional indirect coil and easy maintenance

**5 year statutory warranty** on the floorstanding cylinder; 2 years on electrical and moving parts

**SEM-1W** optimised for heat pumps

**Optimised diameter/height ratio** for good temperature stratification

**Cylinder interior and indirect coils** protected against corrosion by a two-layer enamel coating and sacrificial magnesium anode





#### **SOLAR PUMP ASSEMBLY 10**

Consisting of:

**High efficiency pump (EEI < 0.20), variably adjustable** and fully wired with cable, ball valves with thermometer in flow and return, gravity brakes in flow and return, 6 bar safety valve, 0-10 bar pressure gauge, drain and fill valve, air separator and manual air vent valve, wall retainer and installation material

Dimensions HxWxD: 375 x 400 [250] x 190 mm, well designed EPP thermal insulation shells, resistant up to 130 °C

#### **Solar pump assembly 10**

Suitable for up to 10 solar collectors with 50 l Throughput per hour and collector [subject to system sizing].

Flow regulation 2 to 15 l/min.

Connection: 18 mm locking ring fitting

**Note:** SM1-2 and SM2-2 solar modules can be integrated into pump assembly



#### **SOLAR CONNECTION KIT**

For solar pump assembly 10 for direct installation on the SEM-2 DHW solar cylinder

#### **ELECTRIC BOOSTER HEATER 2 KW/230 V/50 HZ / 4.5 & 6 KW/400 V/50 HZ.**

Integrated cylinder thermostat and high limit safety cut-out. Frost protection is assured. The cylinder water temperature can be adjusted either up to 60 °C or up to 80 °C.

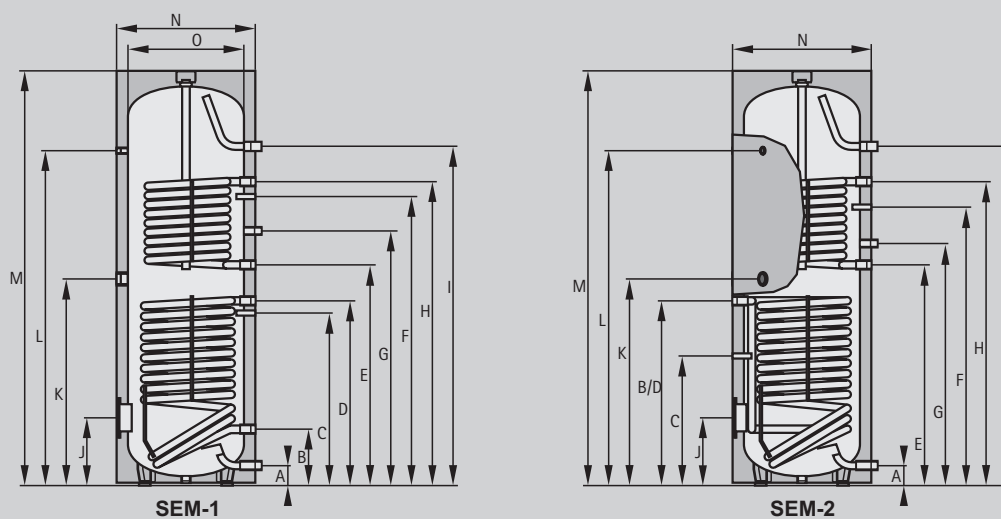
#### **HIGH EFFICIENCY CHARGING PUMP (EEI < 0.23)**



#### **IMPRESSED CURRENT ANODE**

For enamelled cylinder

**SOLAR DHW CYLINDERS**  
**SPECIFICATION**  
**SEM-1-500/750/1000**  
**SEM-2-300/400**

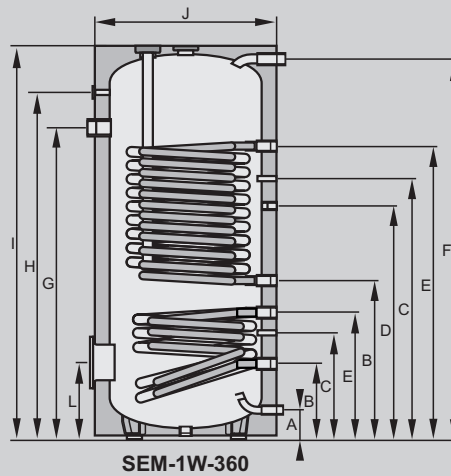


TYPE	SEM-1	-	-	500	750	1000
	SEM-2	300	400	-	-	-
Energy efficiency class <sup>1)</sup>	A+ → F	C	C	C	-	-
Cylinder capacity	litres	285	385	500	750	935
Standby heat loss	kWh/24 h	1.92	2.41	2.44	2.73	3.2
Continuous cylinder output 80/60-10/45 °C (heating)	kW - l/h	20 - 490	20 - 490	20 - 490	50 - 1200	50 - 1200
Output factor (heating)	N <sub>L</sub>	2.3	4.8	6	13.5	18
Cold water connection	A mm	90	55	99	220	220
Return, solar	B mm	815	874	305	345	345
Cylinder sensor, solar	C mm	506	416	586	603	603
Flow, solar	D mm	815	874	865	920	975
Heating return	E mm	974	987	985	1025	1340
Heating cylinder sensor	F mm	1154	1204	1160	1185	1500
Circulation	G mm	1077	1092	1195	1290	1605
Heating feed	H mm	1334	1335	1335	1475	1790
DHW connection	I mm	1728	1586	1451	1590	1940
Flange (bottom)	J mm	324	275	335	384	384
Electric booster heater	K mm	887	915	949	970	1145
Thermometer	L mm	1504	1416	1404	1460	1810
Total height	M mm	1794	1651	1780	1850	2200
Diameter incl. thermal insulation	N mm	600	701	850	1000	1000
Diameter excl. thermal insulation	O mm	-	-	-	800	800
Height when tilted, incl. thermal insulation	mm	1898	1820	1935	2030	2350
Primary heating water	bar/°C	10/110	10/110	10/110	10/110	10/110
Secondary DHW	bar/°C	10/95	10/95	10/95	10/95	10/95
Internal flange diameter	mm	114	114	114	114	114
Cold water connection	G (male)	1"	1"	1"	1¼"	1¼"
Heating flow / return	G (fem.)	1"	1"	1"	1¼"	1¼"
Solar flow / return	G (male)	¾"	¾"	1"*	1¼"*	1¼"*
Circulation	G (male)	¾"	¾"	¾"	1"	1"
DHW connection	G (male)	1"	1"	1"	1¼"	1¼"
Electric booster heater	G (fem.)	1½"	1½"	1½"	1½"	1½"
Thermometer	G (fem.)	½"	½"	½"	½"	½"
Indirect coil surface area, heating / solar	m <sup>2</sup>	1.0/1.6	1.2/1.8	1.0/1.8	1.5/2.1	1.5/2.4
Indirect coil capacity, heating / solar	litres	5.8/9.4	7.0/13.0	6.1/11.5	9.2/13.5	9.2/14.5
Weight	kg	130	159	182	290	350

\*G (fem.)

<sup>1)</sup> Energy class according to Ecodesign Directive for cylinders ≤ 500 litres

**SOLAR DHW CYLINDERS**  
**SPECIFICATION**  
**SEM-1W-360**



TYPE	SEM-1W	360
Energy efficiency class <sup>1)</sup>	A+ → F	<b>C</b>
Cylinder capacity	litres	365
Standby heat loss	kWh/24 h	2.04
Continuous cylinder output, tv 80/60 °C - tww 10/45 °C	kW - l/h	90/2210
Output factor (heating)	N <sub>L60</sub>	3.0
Output factor (heating)	N <sub>L50</sub>	1.6
Heat-up time 14kW - 10-50 °C	Min.	71
Cold water connection	A mm	55
Return, heating / solar	B mm	606/221
Cylinder sensor, heating / solar	C mm	965/385
Circulation	D mm	860
Flow, heating / solar	E mm	1146/470
DHW connection	F mm	1526
Electric booster heater (opt.)	G mm	1210
Thermometer connection	H mm	1355
Total height	I mm	1630
Diameter incl. insulation	J mm	705
Service flange	L mm	276
Height when tilted	mm	1740
Primary heating water	bar/°C	10/110
Secondary DHW	bar/°C	10/95
Internal flange diameter	mm	DN 110
Cold water connection	G (male)	1"
Return, heating / solar	G (male)	1¼"
Circulation	G (male)	¾"
Flow, heating / solar	G (male)	1¼"
DHW connection	G (male)	1"
Protective anode	G (fem.)	1¼"
Electric booster heater	G (fem.)	1½"
Sensor well, cylinder sensor (mounted)	G (fem.)	20x2
Thermometer	G (fem.)	½"
Indirect coil surface area, heating / solar	m <sup>2</sup>	3.2/1.3
Indirect coil capacity, heating / solar	litres	27/11
Weight	kg	182

<sup>1)</sup> Energy class according to Ecodesign Directive for cylinders ≤ 500 litres