



UNDERFLOOR  
HEATING



SOLAR  
THERMAL

## Nu-Heat EnergyPro cylinder range for boiler systems

**Nu-Heat's EnergyPro range consists of mains pressure (unvented) indirect cylinders for use with gas or oil boilers. Versions with or without a solar coil are available.**



### FEATURES

Cylinders in Nu-Heat's EnergyPro range meet all relevant UK and European standards and are covered by a 25-year warranty.

- ✓ Pressure tested to 10bar
- ✓ Insulated in excess of the requirements of Part L, using CFC- and HCFC-free fire-retardant foam with a Global Warming Potential of 2.8, and Ozone Depletion Potential of Zero
- ✓ Supplied complete with connection fittings, and G3 equipment comprising inlet group, tundish, temperature & pressure relief valve (factory fitted) and wholesome water expansion vessel
- ✓ Smooth-walled coils for good heat transfer and low pressure drop
- ✓ Optimum connection positions at the front of the unit for ease of installation, easy access and minimal space requirements
- ✓ Connection for optional EnergyPro secondary hot water loop
- ✓ Lightweight all-stainless-steel construction
- ✓ Powder-coated case

### EnergyPro cylinders for use with boiler systems

Nu-Heat's EnergyPro indirect unvented cylinders are designed for use with oil or gas boilers; they are factory-fitted with an electric element to backup the water heating system for short, intermittent periods.

#### Sizes available

- 200-litre
- 300-litre
- 400-litre
- 500-litre

### Twin-coil EnergyPro S solar cylinders for use with boiler systems

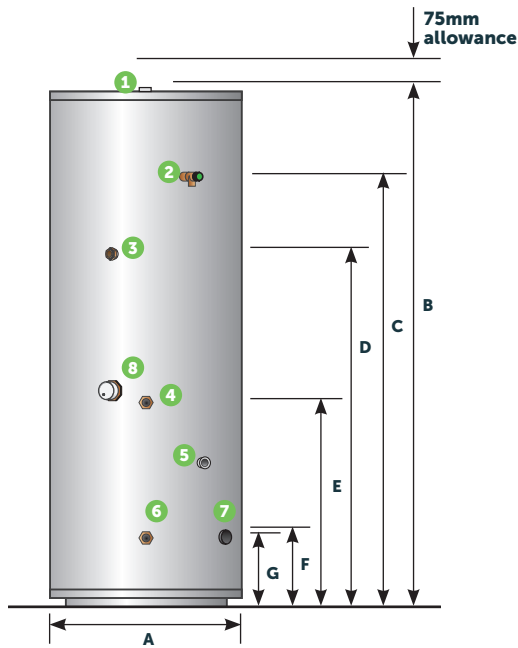
Nu-Heat's EnergyPro solar indirect unvented cylinders work with a gas or oil boiler as the primary heat source and feature a second coil linked to a solar collector system. An immersion heater is factory-fitted to provide short-term, occasional backup for the water heating.

#### Sizes available

- 300-litre
- 400-litre
- 500-litre



EnergyPro cylinder for use with boilers



Cylinder components

- 1 Domestic hot out
- 2 T&P relief valve
- 3 Secondary hot water loop return (optional)
- 4 Boiler flow (to cylinder)
- 5 Dual stat pocket
- 6 Boiler return (from cylinder)
- 7 Cold mains in
- 8 Immersion heater

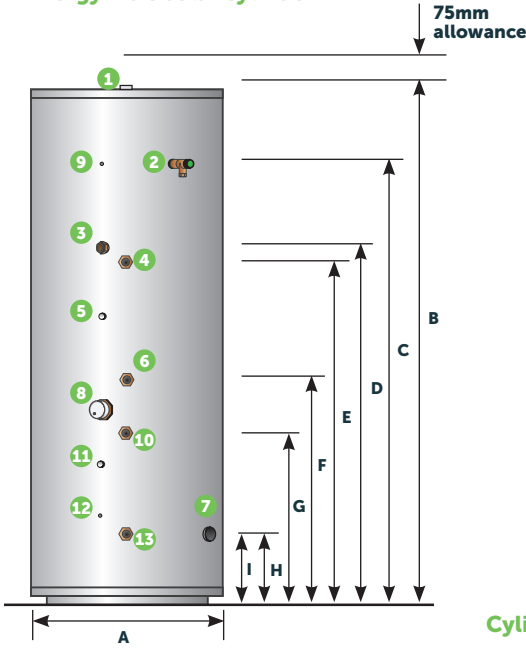
Cylinder efficiency fiche

Model	Storage volume (l)	Heat loss (W)	Energy class	Size (mm)
EnergyPro 200	194	78	C	1480 x 530 Ø
EnergyPro 300	290	92	C	1613 x 600 Ø
EnergyPro 400	390	102	C	1520 x 710 Ø
EnergyPro 500	495	115	C	1890 x 710 Ø

CYLINDER DIMENSIONS	EN200	EN300	EN400	EN500
A - Diameter	530mm	600mm	710mm	710mm
B - Height	1480mm	1613mm	1520mm	1890mm
C - T&P valve	1211mm	1325mm	1270mm	1640mm
D - SHWL return	981mm	1140mm	1130mm	1450mm
E - Boiler flow	525mm	600mm	1215mm	745mm
F - Boiler return	196mm	210mm	220mm	220mm
G - Cold mains in	190mm	200mm	370mm	220mm

TECHNICAL DATA	EN200	EN300	EN400	EN500
Total capacity	194 litres	290 litres	390 litres	495 litres
Capacity heated by boiler coil	194 litres	290 litres	390 litres	495 litres
Cylinder weight when empty	56kg	73kg	101kg	117kg
Cylinder weight when full	256kg	373kg	501kg	617kg
Standing heat loss	78(W)@65 °C	92(W)@65 °C	102(W)@65 °C	115(W)@65 °C
Boiler coil surface area	0.67m <sup>2</sup>	0.77m <sup>2</sup>	1.16m <sup>2</sup>	1.25m <sup>2</sup>
Boiler coil rating	21kW	23kW	25kW	26kW

EnergyPro S solar cylinder



Cylinder components

- 1 Domestic hot out
- 2 T&P relief valve
- 3 Secondary hot water loop return (optional)
- 4 Boiler flow (to cylinder)
- 5 Dual stat pocket
- 6 Boiler return (from cylinder)
- 7 Cold mains in
- 8 Immersion heater
- 9 Solar S3 sensor pocket
- 10 Solar flow (to cylinder)
- 11 Solar limit stat pocket
- 12 Solar S2 sensor pocket
- 13 Solar return (from cylinder)

Cylinder efficiency fiche

Model	Storage volume	Heat loss	Energy class	Size (mm)
EnergyPro 300S	290 litres	92W	C	1610 x 600 Ø
EnergyPro 400S	390 litres	102W	C	1530 x 710 Ø
EnergyPro 500S	495 litres	115W	C	1890 x 710 Ø

CYLINDER DIMENSIONS	EN300S	EN400S	EN500S
A - Diameter	600mm	710mm	710mm
B - Height	1610mm	1530mm	1890mm
C - T&P valve	1325mm	1275mm	1640mm
D - SHWL return	1153mm	1170mm	1425mm
E - Boiler flow	1040mm	1120mm	1115mm
F - Boiler return	668mm	735mm	735mm
G - Solar flow	530mm	605mm	600mm
H - Solar return	210mm	215mm	210mm
I - Cold mains in	210mm	220mm	225mm

TECHNICAL DATA	EN300S	EN400S	EN500S
Total capacity	290 litres	390 litres	495 litres
Capacity heated by boiler coil	123 litres	191 litres	211 litres
Dedicated solar volume	167 litres	199 litres	284 litres
Standing heat loss	92(W)@65 °C	102(W)@65 °C	115(W)@65 °C
Cylinder weight when empty	78kg	77kg	130kg
Cylinder weight when full	378kg	477kg	630kg
Boiler coil surface area	0.64m <sup>2</sup>	0.77m <sup>2</sup>	0.77m <sup>2</sup>
Solar coil surface area	0.77m <sup>2</sup>	1.15m <sup>2</sup>	1.28m <sup>2</sup>
Boiler coil rating	21kW	23kW	23kW
Solar coil rating	23kW	25kW	28kW