



S E R I E S  
**Super S**®

Using innovative and dynamic design concepts OSO are proud to introduce the next generation of unvented cylinders - all pipes, electric cables and unique secondary expansion solution are hidden from view giving the neatest possible installation.. Reduced heat loss from the Super S is achieved by the use of 100% recyclable super eco foam insulation and also incorporating all valves and pipes beneath the insulated removable top.

4 years in development has lead to what we believe is the most energy efficient and easy to install unvented hot water cylinder available in today's market place.



OSO are proud to present the unique

# Super S

Typical neat cupboard installation, no pipes, cables or secondary expansion vessel visible



Use this guide to assist in choosing your OSO cylinder...

Application	Indirect	Direct
Bedsit	SCI120	SXD120
1 Bedroom, bathroom & shower	SCI120	SXD120 or SXD150
2 Bedroom, bathroom & shower	SCI120 or SCI150	SXD150 or SXD180
3 Bedroom, bathroom & shower	SCI150 or SCI180	SXD180 or SXD210
4 Bedroom, bathroom & shower	SCI180 or SCI210	SXD210 or SXD250
2-3 Bedroom, 2 bathroom & shower	SCI180	SXD180 or SXD210
4-5 Bedroom, 2 bathroom & shower	SCI210 or SCI250	SXD250 or SX300*
6 Bedroom, 2 bathroom & shower	SC300*	SX300*

The installation of any unvented hot water storage system must comply with the current building regulations and approved document G3. The system must also be installed in accordance with the water regulations giving due care and attention to the design requirements of BS6700:2006 and BS EN 806-1:2000. Consideration should also be given to whether a direct cylinder is connected to an off-peak tariff, if so, the larger of the two capacities should be considered

**Cylinder guarantee 25 years**

**Expansion vessel guarantee 5 years**

**2 year guarantee on all other parts (lime scale excepted)**

**\*All 300 litre cylinders supplied with separate 18 litre expansion vessel**

**Production facility accredited with NS-EN ISO 9001:2000 and NS-EN ISO 14001:2004**

[www.oso-hotwater.com](http://www.oso-hotwater.com)



CE listed

# Benefits for your business...

## A family run company with 75 years expertise

OSO A/S was founded in 1932 and is a family company. Run by the third generation of the Braathen family, it is the leading independent producer of stainless steel water heaters in Europe. OSO has created one of the most highly technological production lines in Europe, and the 170 co-workers are proud to produce world class innovative products.

## Pioneering new product

Employing innovative design techniques the Super S cylinder is a significant departure from the increasing number of stereo typed unvented cylinders available in the UK. The OSO design team started with clear minds, their remit being: "Design the perfect unvented cylinder in the eyes of the installer and the householder". Their challenge was to also harmonise the Super S with building regulations and best installation practice.

Packed with unique features the Super S meets these criteria and is the cylinder of the future.

## Economical & efficient

Heat losses and energy efficiency have been at the forefront of OSO's thoughts when designing the Super S. Traditional unvented cylinders in the UK lose a substantial amount of heat from the valves attached to the side of the cylinder. All the pipe connections on the Super S are located under the removable and insulated top lid, thus ensuring heat losses are kept to a minimum. All Super S cylinders have a 25 year guarantee providing your customer with peace of mind and confidence that they are investing in a product of outstanding quality.

## Environmentally conscious

The Super S is manufactured using laser welding technology, which requires no filler rod. The welds are created in an oxygen free atmosphere, thus eliminating the creation of corrosive oxides on the weld. In other stainless steel cylinders these welds must be cleaned off, usually by acid washing. Acid washing can be environmentally damaging, OSO have therefore developed the laser welding to limit harmful discharges from the factory.

The long working life of an OSO cylinder makes it environmentally sound because it limits the use of resources and energy – the most important thing for us all in the future. By choosing OSO and being part of the team engaging in further development of the business, you also contribute to well-being and environmental protection in practice.

# and for your customers...

Osos new **Super S** has 6 capacities (120 to 300\* litres), direct and indirect. The unique expansion solution and valves are concealed beneath the removable insulated lid which ensures lower heat loss and a very neat compact appearance when installed. The inlet control and blending valve, expansion relief valve, unique under lid expansion solution, T & P valve are all factory fitted virtually making the Super S a pre - plumbed unit. The Super S features a blending valve limiting the hot water delivery temperature to 60°C. Direct cylinders are heated to 70°C and the extra energy stored substantially increases the amount of usable hot water available from a given size.

## Super Smart

- 100% recyclable insulation
- Ultra low heat loss
- Dedicated secondary return facility standard on all cylinders
- Fantastic heat up & recovery times 11 minute recovery for a 150 litre indirect cylinder
- Space efficient
- Unparalleled performance

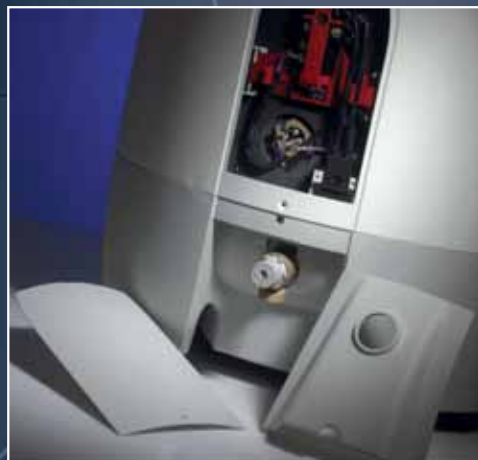
## Super Simple

- Unique enclosed secondary expansion
- Unique inlet control valve
- Electric cables hidden
- Easy installation
- No visible frontline pipework
- Reduced fitting time
- High quality Duplex stainless steel

## Super Special

- Over 75 years of innovation and excellence
- Amazing hot water draw off figures from direct cylinders, resultant from storing water at 70°C and blending via factory fitted valve
- Pioneering laser welding
- 25 years cylinder guarantee
- Mechanically sealed connections - double O ring and Loctite

The new Super S.

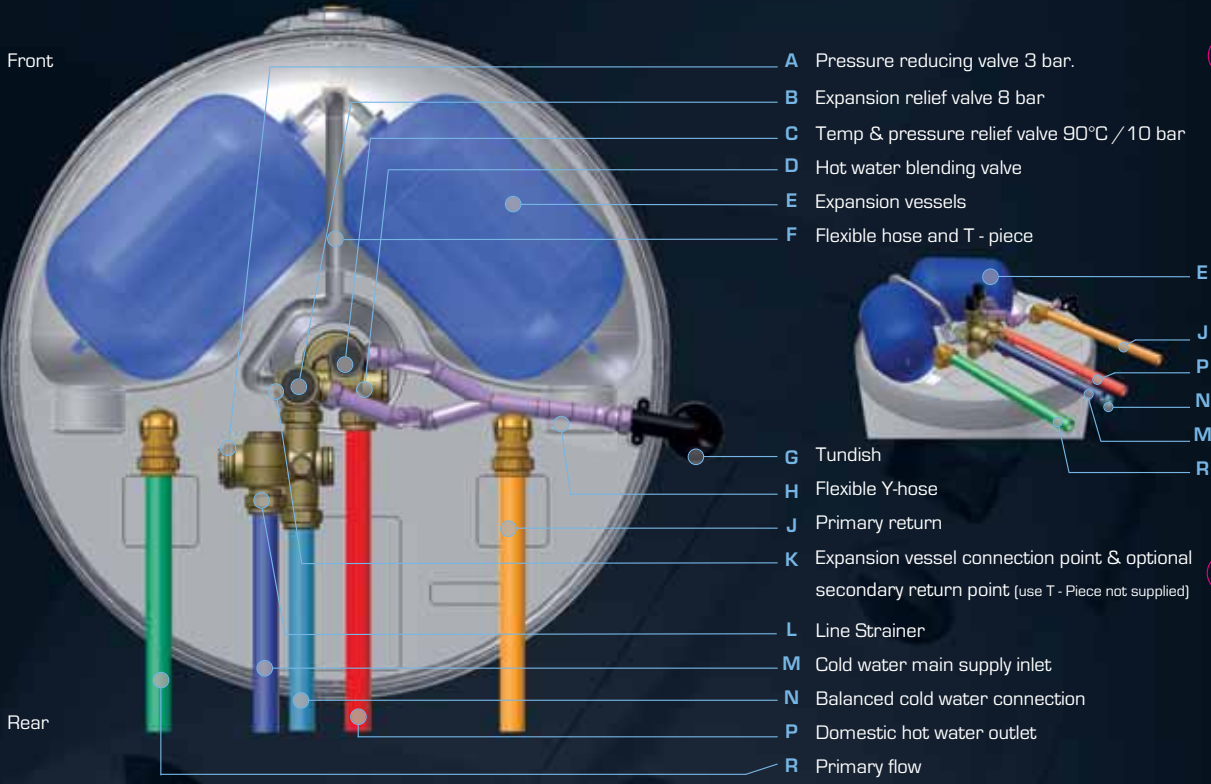


## High quality guaranteed

Super S is manufactured on one of the most highly technological production lines in Europe.



# Super Spec



It should be noted the OSO Super S is designed with all pipe fittings coming off the top of the cylinder, the cylinder should be installed with the pipe connections facing the rear of the cupboard. To assist pre installation each cylinder is supplied with fitting templates, additional templates are available from OSO UK and as a download from our web site. \* 300 litre cylinders supplied with separate 18 litre expansion vessel.

Product code	Direct						Indirect					
	SXD120	SXD150	SXD180	SXD210	SXD250	SX300*	SCI120	SCI150	SCI180	SCI210	SCI250	SC300*
Height (mm)	870	1050	1160	1300	1550	1750	870	1050	1160	1300	1550	1750
Diameter (mm)	570	570	570	570	570	570	570	570	570	570	570	570
Weight empty (kg)	40	45	50	55	60	65	45	50	55	60	65	70
Weight full (kg)	156	200	225	261	315	365	161	205	230	266	320	370
Actual capacity (liters)	116	155	175	206	255	300	113	150	170	201	250	295
Expansion vessel capacity (liters)	1 x 5.3	2 x 5.3	2 x 5.3	2 x 5.3	2 x 5.3	18	1 x 5.3	2 x 5.3	2 x 5.3	2 x 5.3	2 x 5.3	18
Heat up (2 elements)		105	120	147	191	230						
Recovery (2 elements)		75	92	117	155	192						
Heat up (1 element)	101	140	160	192	241	285	98	136	154	186	235	279
Recovery (1 element)	71	98	112	134	169	200	69	95	108	130	165	195
Heat up (coil)							24	16	18	21	27	32
Recovery (coil)							17	11	13	15	19	22
Usable hot water draw off at 42°C	192	269	313	378	480	574	162	226	257	312	397	475
Standing heat losses Kwh/24h	1.29	1.44	1.64	1.9	2.11	2.3	1.29	1.44	1.64	1.9	2.11	2.3

**Cylinder Material:** Duplex Stainless Steel

**Coil Construction:** 316 Stainless Steel, 22mm Diameter

**Min Supply Pressure:** 1 Bar

**Thermal Cut-Out:** 85°C

**Thermostat Range:** 40°C - 70°C

**KIWA approved - CE listed**

**Pressure Reducing Valve:** 3 Bar

**Expansion Relief Valve:** 8 Bar

**T&P Relief Valve:** 10 Bar 90°C



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The company reserve the right to alter size, shape and specification without prior notice

**Think Future  Think Super S  Think OSO **