



# NuCyl & NuCyl AIR

Unvented Cylinders Product Guide

**UK CYLINDERS**

YOUR HOT WATER SPECIALISTS





# UK **Cylinders**

## Your Hot Water Specialists

Based in the UK, we are focused on service, availability, quality, performance and reliability. Utilising the vast experience of the team at **UK Cylinders** and our processes and procedures to deliver on these key objectives.

We are a market led company with many years' experience in manufacturing and product development, this ensures our products exceed our customers needs.

**UK Cylinders** hold strong values in terms of supporting customers requirements in an ever changing market.

OUR AIM IS TO PROVIDE THE BEST QUALITY AND VALUE HOT WATER STORAGE PRODUCTS AND TO CONSIDERABLY EXCEED OUR CUSTOMER EXPECTATIONS BY PROVIDING MARKET LEADING SERVICE LEVELS IN ALL AREAS OF OUR BUSINESS.

SERVICE | AVAILABILITY | QUALITY | PERFORMANCE | RELIABILITY

Your Hot Water Specialists | [www.ukcylinders.co.uk](http://www.ukcylinders.co.uk)

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Your Hot Water Specialists  
Tel 03330 329 650





## Product Range

At UK **Cylinders** we pride ourselves in employing highly skilled engineers to be able to produce a wide range of products suitable for all of our customer needs. Our NuCyl products are manufactured to the highest quality, with the best raw materials and ancillary components in many different specifications.

If you can't find the cylinder you need in our product guide then please speak to your local representative or our sales office as we can produce bespoke products if required.

Our products come with a manufacturer's guarantee (see details in product guide) and are fully tested to ensure they are compliant with the latest standards and regulations.



## Manufacturing Process

At UK **Cylinders**, we employ the best local manufacturing experts to produce the best quality products while maintaining value for money.

Our engineers have a vast knowledge manufacturing water heating products with a passion to significantly exceed our customer expectations, in terms of product quality and service. They understand the importance of the customer and work diligently to make sure they return to UK **Cylinders** next time they have a requirement.

Coupled with the latest manufacturing technology, our team set the highest bar for quality, flexibility and the ability to provide customer solutions. To keep lead times to a minimum we manufacture most components in-house, from rolling and punching the stainless-steel sheet, precision welding and insulating and casing we ensure the highest standards are achieved.



## Performance & Reliability

Providing superior hot water performance whatever the application, along with value for money, in both the domestic and commercial markets.

Having invested heavily in our processes along with the latest manufacturing technology and systems, we are confident that the product we produce offers excellent reliability and value for money.

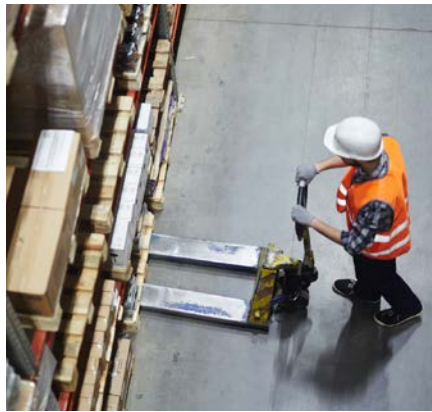




## Quality and Service

Customer service is at the forefront of the business philosophy at UK **Cylinders** which means the team know **THE CUSTOMER ALWAYS COMES FIRST.**

We will respond and reply same day to any requests.



## Availability and Stockists

We carry significant stock of a wide range of products in our warehouses, as well as stock on the ground with our merchant partners. When an order is placed for a stock item before 12 midday, we will despatch it the same day arriving the following day to over 95% of mainland UK.

At UK Cylinders, we pride ourselves in working closely with our network of merchant stockists, supporting them providing hot water solutions to their customers.

Please contact us on **03330 329 650** or **sales@ukcylinders.co.uk** if you require details of your local stockist.



## Environmental - and a more sustainable future

Our environmental management system allows us to promote efficient manufacture of our products.

Key processes and procedures help us to move towards a more sustainable future and minimise any negative impact on the environment.

Please contact us on **03330 329 650**  
or **sales@ukcylinders.co.uk**



# NuCyl

## Designed for performance and reliability

The NuCyl sets the standard for unvented cylinders, manufactured to the highest quality in our UK factory by the best manufacturing specialists.

We manufacture our cylinders in the UK using high quality Duplex stainless steel, this enables us to provide a 25-year warranty. Each cylinder is supplied with market leading components to give peace of mind for years to come. The NuCyl provides fast flowing water to all outlets and even in high use situations it is designed to reheat quickly with its superior performance and low heat loss.

### SPECIFICATION

- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 545mm from capacities 90L to 300L.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality and **100% recyclable** white casing.
- > Supplied with high quality unvented components.
- > Supplied with a mechanical cylinder stat for simple electrical installation.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > Supplied with 22mm compression connections complete with nuts and olives.
- > Market leading and highly efficient primary coil which reduces reheat time and saves fuel bills.
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Immersion heater upgrades available upon request - i.e. Titanium or 6 kW.
- > Supplied with all safety controls as required by UK Building Regulations.





## NuCyl Direct Unvented

Description	Product Code	City Plumbing Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Immersion heater(s)	Standing Heat Loss		ERP BAND
									kWh/ 24h	WATTS	
120 L	NUDIR0120	165352	120	23	143	945	545	2	1.06	44	C
150 L	NUDIR0150	165351	150	26	176	1130	545	2	1.22	51	C
180 L	NUDIR0180	165350	180	30	200	1314	545	2	1.40	56	C
200 L	NUDIR0200	165349	200	34	234	1444	545	2	1.44	60	C
250 L	NUDIR0250	165348	250	37	287	1752	545	2	1.75	73	C
300 L	NUDIR0300	165347	300	43	343	1975	545	2	2.04	85	C

## NuCyl Indirect Unvented

Description	Product Code	City Plumbing Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	Standing Heat Loss		ERP BAND
											kWh/ 24h	WATTS	
120 L	NUIND0120	165320	120	25	145	945	545	17.76	17	1	1.06	44	B
150 L	NUIND0150	165319	150	28	178	1130	545	18.25	21	1	1.22	51	B
180 L	NUIND0180	165318	180	32	202	1314	545	19.35	27	1	1.40	58	B
200 L	NUIND0200	165316	200	35	235	1444	545	19.94	31	1	1.44	60	B
250 L	NUIND0250	165315	250	41	391	1752	545	20.68	36	1	1.75	73	C
300 L	NUIND0300	165314	300	45	345	1975	545	23.57	41	1	2.04	85	C



# NuCyl Slimline

When installation space is at a premium, we offer the same great product but with a much smaller footprint.

The NuCyl Slimline is manufactured to the same high standards as all other NuCyls but at 475mm diameter to fit in smaller applications or to fit through narrow cylinder cupboard doors. The NuCyl Slimline is also supplied with a 25-year warranty and with high quality components for peace of mind.

## SPECIFICATION

- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 475mm from capacities 60L to 120L.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality and **100% recyclable** white casing.
- > Supplied with high quality unvented components.
- > Supplied with a mechanical cylinder stat for simple electrical installation.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > 22mm compression connections complete with nuts and olives.
- > Market leading and highly efficient primary coil which reduces reheat time and saves fuel bills.
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Immersion heater upgrades available upon request - i.e. Titanium or 6 kW.
- > Supplied with all safety controls as required by UK Building Regulations.





## NuCyl Slimline Direct Unvented

Description	Product Code	City Plumbing Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Immersion heater(s)	Standing Heat Loss		ERP BAND
									kWh/ 24h	WATTS	
120L	NUNDI0120	165346	120	23	143	1270	475	2	1.25	52	C
150L	NUNDI0150	165345	150	27	177	1535	475	2	1.42	59	C
170L	NUNDI0170	165343	170	31	201	1710	475	2	1.51	63	C
200L	NUNDI0200	165342	200	35	235	1980	475	2	1.58	66	C

## NuCyl Slimline Indirect Unvented

Description	Product Code	City Plumbing Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	Standing Heat Loss		ERP BAND
											kWh/ 24h	WATTS	
120L	NUNIN0120	165341	120	25	145	1270	475	18.76	19	1	1.25	52	B
150L	NUNIN0150	165340	150	29	179	1535	475	18.82	21	1	1.42	59	C
170L	NUNIN0170	165339	170	33	203	1710	475	19.22	24	1	1.51	63	C
200L	NUNIN0200	165338	200	37	237	1980	475	19.36	29	1	1.58	66	C



# NuCyl Air Standard

The first choice internal expansion unvented cylinder.  
Designed for performance and reliability.

Our range of superior quality NuCyl AIR cylinders are built using high grade Duplex stainless steel and designed to provide fast flowing hot water to single or multiple outlets. Manufactured to the highest standards and supplied with innovative components to ensure quick recovery, low heat loss and economic use of energy.

For your peace of mind the cylinders carry a 25 year cylinder and 2 year parts guarantee, making them an excellent choice for your hot water system.

## SPECIFICATION

- > Internal expansion cylinder for faster installation and saving space.
- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 545mm from capacities 120L to 300L.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality and **100% recyclable** white casing.
- > Supplied with high quality unvented components.
- > Supplied with a mechanical cylinder stat for simple electrical installation.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > 22mm compression connections complete with nuts and olives.
- > Market leading and highly efficient primary coil which reduces reheat time and saves fuel bills.
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Immersion heater upgrades available upon request - i.e. Titanium or 6 kW.
- > Supplied with all safety controls as required by UK Building Regulations.





## NuCyl Air Direct Unvented

Description	Product Code	City Plumbing Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Immersion heater(s)	Standing Heat Loss		Secondary Return Included as standard	ERP BAND
									kWh/ 24h	WATTS		
120L	NADIR0120	165337	120	26	133	945	545	2	1.01	42	✗	C
150L	NADIR0150	165336	150	33	171	1130	545	2	1.20	50	✗	C
180L	NADIR0180	165335	180	38	197	1314	545	2	1.33	54	✗	C
200L	NADIR0200	165333	200	41	225	1444	545	2	1.39	58	✓	C
250L	NADIR0250	165332	250	46	281	1752	545	2	1.44	60	✓	C
300L	NADIR0300	165331	300	55	319	1975	545	2	1.80	75	✓	C

## NuCyl Air Indirect Unvented

Description	Product Code	City Plumbing Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	Standing Heat Loss		Secondary Return Included as standard	ERP BAND
											kWh/ 24h	WATTS		
120L	NAIND0120	165330	120	30	135	945	545	15.89	15	1	1.01	42	✗	B
150L	NAIND0150	165329	150	38	172	1130	545	17.76	18	1	1.20	50	✗	B
180L	NAIND0180	165328	180	42	197	1314	545	18.25	22	1	1.33	54	✗	B
200L	NAIND0200	165327	200	45	222	1444	545	19.35	26	1	1.39	58	✓	B
250L	NAIND0250	165326	250	51	281	1752	545	19.94	29	1	1.44	60	✓	B
300L	NAIND0300	165325	300	60	319	1975	545	20.68	35	1	1.80	75	✓	C



# NuCyl Air Slimline

We also have a slimline version of the NuCyl AIR for use when space is at a premium. At only 475mm width the NuCyl AIR Slimline can be utilised in smaller cylinder cupboards or when access routes are smaller, often in older dwellings. The NuCyl AIR Slimline also has a 25-year manufacturer's warranty.



## SPECIFICATION

- > Internal expansion cylinder for faster installation and saving space.
- > Supplied with a manufacturer's backed 25 year cylinder warranty and 2 years parts warranty.
- > Diameter is 475mm from capacities 120L to 200L.
- > Manufactured from high grade Duplex Stainless Steel.
- > Fully insulated with 50mm 100% CFC and HCFC free polyurethane to minimise heat loss.
- > Lightweight construction with high quality and **100% recyclable** white casing.
- > Supplied with high quality unvented components.
- > Supplied with a mechanical cylinder stat for simple electrical installation.
- > All plumbing connections are clearly identified with their description embossed into the cylinder case.
- > 22mm compression connections complete with nuts and olives.
- > Market leading and highly efficient primary coil which reduces reheat time and saves fuel bills.
- > Long-life 3kW Incoloy immersion heater supplied as standard.
- > Immersion heater upgrades available upon request - i.e. Titanium or 6 kW.
- > Supplied with all safety controls as required by UK Building Regulations.



## NuCyl Air Indirect Slimline

Description	Product Code	City Plumbing Product Code	Nominal Capacity (L)	Weight (KG)	Weight full (KG)	Height (mm)	Diameter (mm)	Coil Rating KW	Reheat Time (mins)	Immersion heater(s)	Standing Heat Loss		Secondary Return Included as standard	ERP BAND
											kWh/ 24h	WATTS		
120L	NANIN0120	165324	120	30	134	1270	475	18.76	15	1	1.15	48	✗	B
150L	NANIN0150	165323	150	38	166	1535	475	18.82	17	1	1.37	57	✗	C
170L	NANIN0170	165322	170	42	188	1710	475	19.22	20	1	1.49	62	✗	C
200L	NANIN0200	165321	200	45	215	1980	475	19.36	27	1	1.61	67	✓	C



# Trade Friendly Design

## Complete ease of installation

All UK **Cylinders** products are designed to ensure a problem free installation for our valued trade customers. We design our products for ease of installation and handling so they can be sited almost anywhere in the building. Please see the table below which lists all the supplied components provided with our vast range of cylinder solutions.

COMPONENT	DIRECT	INDIRECT	SINGLE COIL SOLAR	TWIN COIL SOLAR
INLET CONTROL SET	•	•	•	•
TWO PORT VALVE		•		•
DUAL THERMOSTAT		•		
SINGLE HIGH LIMIT STAT			•	•
IMMERSION HEATER(S)	•	•	•	•
T&P RELIEF VALVE	•	•	•	•
T&P VALVE INSULATION COVER	•	•	•	•
*EXPANSION VESSEL	•	•	•	•
TUNDISH	•	•	•	•
INSTALLATION/ USER MANUAL	•	•	•	•

The NuCyl comes complete with all the fittings you will need for a complete trouble free installation.

\*Expansion vessel not supplied/required with NuCyl Air models.

## Expansion Vessel Sizing Guide

CYLINDER CAPACITY (L)	12	18	24	35	50
60 to 150	•				
170 to 250		•			
300			•		
400			•		
500				•	
600					•



COLD WATER INLET SET



TWO PORT ZONE VALVE



DUAL THERMOSTAT



3KW IMMERSION HEATER



T&P RELIEF VALVE



EXPANSION VESSEL



TUNDISH



T&P VALVE INSULATED COVER



ENERGY CUT-OUT THERMOSTAT

# Installation Guidance



For full details on product installation, please refer to the installation guide supplied with all cylinders, or downloadable from our website [www.ukcylinders.co.uk](http://www.ukcylinders.co.uk)

## Selection Guide

Choosing the right cylinder for your needs

HOT WATER DEMAND	BEDROOMS	INDIRECT	DIRECT
1 Standard Bath or Shower	Bedsit / 1	120	120
	2-3	120	150
	3-4	150	150
1 Standard Bath	2-3	150	180
	3-4	150	180
1 Standard Bath and En-Suite	2-3	180	200
	3-4	180	200
	4-5	180	200
2 Standard Baths	2-3	180	250
	3-4	180	250
	4-5	200	300
3 Bathrooms	3-4	250	300
	4-5	300	300
	5-6	300	300

## Customer Care

### Continued support

All **UK Cylinders** unvented products come with a manufacturer's warranty so if you have a breakdown or fault, we are on hand to provide customer support to put it right.

Please contact our team on 03330 329 650 or email [customercare@ukcylinders.co.uk](mailto:customercare@ukcylinders.co.uk) and we will be there ready to help you.

## Trade Friendly Design and Installation

### Regulations

Please refer to Section G3 of the Building Regulations (England and Wales), Technical Standard P3 (Scotland) and Building Regulations P5 (Northern Ireland). All Unvented units with a capacity over 15 litres must be installed by a competent installer in accordance with these regulations.

### Mains Supply

**UK Cylinders** unvented cylinder NuCyl require a minimum of 1.5 bar (max 10 bar) mains pressure and 20 litres per minute flow rate to ensure that the cylinder meets its minimum capabilities. Higher mains pressure and flow rates can return a higher performance from the cylinder.

**Note:** Cylinder must be connected to a mains water supply, not a well or borehole.

### Cylinder Siting

**UK Cylinders** range of unvented cylinders can be sited almost anywhere in a dwelling, particularly with the wide range of products we supply, providing hot water to outlets above and below the cylinder.

### Wiring

All electrical wiring should be fitted in accordance of the control scheme being used and by a competent electrician and the latest IEE regulations. **UK Cylinders** provide controls with all unvented cylinders to ensure the safe operation of the unit within a central heating system.

Please refer to the installation guide for full details.

### Boiler Compatibility

The NuCyl cylinders are compatible with all appliances that are fitted with an integral control thermostat and its own energy cut-out (these include natural gas, lpg, electric and oil boilers).

Heat sources without full thermostatic control (Aga etc) cannot usually be installed with an unvented unit. Please consult the installation guide for comprehensive information.

### Secondary Return Connection

As standard a secondary connection is fitted on indirect models of 200 litres and above.



# UK CYLINDERS

YOUR HOT WATER SPECIALISTS



UK CYLINDERS • UNIT 3 RCM BUSINESS CENTRE  
DEWSBURY ROAD • OSSETT • WEST YORKSHIRE • WF5 9ND

T 03330 329 650 • F 01924 977 079  
sales@ukcylinders.co.uk • [www.ukcylinders.co.uk](http://www.ukcylinders.co.uk)



UK Cylinders Ltd are proud to be members of the Hot Water Association (HWA) and are committed to its ethics and values

UK Cylinders endeavour to keep the content of this brochure as up-to-date as possible. We reserve the right to make changes to all UK Cylinders products and services at anytime. To ensure you have the most current information please contact UK Cylinders directly.