

IMPROVED

COXDENS[®] PP

FLUE GAS SYSTEMS

RIGID • FLEXIBLE • CONCENTRIC

www.coxgeelen.com



Cox Geelen

COX GEELEN RENEWS PRODUCT RANGE PP FLUE GAS SYSTEMS

THE NEW PP FLUE SYSTEM IS BRIGHT WHITE AND UV-RESISTANT.
ALSO IN OUR CONCENTRIC SYSTEMS

COXDENS® PP

SINGLE WALL PP FLUE GAS SYSTEM



- Available in diameters: 60, 80, 100, 110, 125, 160 and 200 mm

COXDENS® PP FLEX

SINGLE WALL PP FLUE GAS SYSTEM



- Available in diameters: 60, 80 and 100/110 mm

COXDENS® WITH CONNEXT®

CONCENTRIC FLUE GAS SYSTEM WITH PP FLUE PIPE AND PLASTIC OR ALUMINIUM OUTER PIPE



- Available in diameters: 60/100, 80/125, 100/150, 110/160 mm

COXDENS® PP/ALU

CONCENTRIC FLUE GAS SYSTEM WITH PP FLUE PIPE AND ALUMINIUM OUTER PIPE



- Available in diameters: 60/100, 80/125 and 100/150 mm

Safety

For outside of shaft use, we advise using our concentric systems where possible, for extra safety. Additionally, the more durable connection of the flue outlet to the chimney cover, to roof terminal or to wall terminal guarantees the lifespan of the system.

Approval

CE marked according European standard EN14471:2013.

Recyclable

At the end of the lifecycle, these systems can be completely recycled.

THE COXDENS® SYSTEMS CAN BE USED FOR OIL-FIRED AND GAS-FIRED FAN FLUED CONDENSING CENTRAL HEATING BOILERS WITH A MAXIMUM FLUE GAS TEMPERATURE OF 120 °C. (TEMPERATURE CLASS T120).

Specifications

- Temperature class T120.
- UV-resistant.
- Flue gas pipe in the colour white.
- Operates in negative and positive pressure modes.
- System approval 5000 Pa (level H1).

Advantages

- CoxDENS® is a complete product range in PP, including roof and wall terminals.
- CoxDENS® is sustainable, lightweight and easy to install.
- CoxDENS® is resistant to aggressive condensates; as a result the boiler is less polluted by solutes.

Environment

Manufacturing of plastic flue gas systems releases less CO₂ than manufacturing of metal flue gas systems.

Safety

All plastics, including PP, expand/contract with temperature change. To ensure the installation stays totally gas tight, use Cox Geelen mounting brackets. To install brackets correctly, the assembly instructions (to be downloaded from www.coxgeelen.com/download) must be followed. Only by doing so, can Cox Geelen guarantee a safe and flue gas tight installation. We strongly recommend using only Cox Geelen products and not mixing materials.

COXDENS® PP

COXDENS® PP IS A SINGLE WALL PP FLUE GAS SYSTEM AND IS AVAILABLE IN DIAMETERS 60, 80, 100, 110, 125, 160 AND 200 MM. THE PRODUCT RANGE COMPRISES A WIDE RANGE OF PIPES, BENDS AND ACCESSORIES.

- Pipes in lengths 250, 500, 1000 and 1950 mm
- Bend 87°, 45°, 30° and 15°
- Bend 87° with inspection
- Chimney bend 87° with support
- Adjustable pipe
- Inspection piece
- Inspection T-piece
- Condensate drain
- Measuring point
- Adapters
- Wall plates
- Ceiling plates
- Roof and wall terminals



COXDENS[®] PP FLEX

COXDENS[®] PP FLEX IS A FLEXIBLE PP FLUE GAS SYSTEM AND IS AVAILABLE IN DIAMETERS 60, 80 AND 100/110 MM.

The ease of installation of the new CoxDENS[®] PP Flex is guaranteed by:

- The flexible pipe having truly excellent flexibility making it even easier to manipulate.
- The new split ring mount making positioning at installation even easier.
- The flexible pipe being easy to shorten.
- Condensate resistant joints, which need no lubricant.
- The clamping pressure of the mounting ring ensuring a tension proof connection.
- An improved new bracing bracket with integrated tie wrap, simplifying adjustment during fitting.
- The systems' lightweight.
- The compact packaging method thanks to the high degree of flexibility.
- A wide range of accessories.

Dimensioning of the flexible flue gas system:

Nominal diameter	Ø 60	Ø 80	Ø 100/110
Diameter internal (mm)	50,5	77,7	101
Diameter external (mm)	58,4	88,1	113
Weight (kg/meter)	< 0.2	< 0.5	< 0.7

Product range:

- Pipes in lengths 12,5m, 15m, 25m, 50m and 80 meter
- Coupling flex-flex and rigid-flex
- Inspection piece
- Chimney bend 87°
- Fire resistant wall plates with chimney bend and fire protection collar
- Ceiling plates
- Chimney cover

Safety

This flexible flue gas system is designed as a vertical flue system installation but is safe to run at angles up to 45° from vertical within the shaft. In addition, we recommend that the inside of the shaft should not exceed 2x the diameter of the pipe to prevent siphon formation. It is also necessary to place a 2 meter bracing bracket (centralizing spacer) to help prevent abrasion wear.



COXDENS® WITH CONNEXT®

COXDENS® WITH CONNEXT® IS THE CONCENTRIC FLUE SYSTEM WITH CONNEXT® COUPLING AND IS AVAILABLE IN THE DIAMETERS 60/100, 80/125, 100/150 AND 110/160 MM.

Specifications

- The CONNEXT₃T® outer pipe is made of plastic.
- The CONNEXT₇T® outer pipe is made of aluminium in the colour white (RAL9016).
- Inner pipe is centered in the outer pipe by the patented CONNEXT® Push-fit connection.

Advantages concentric

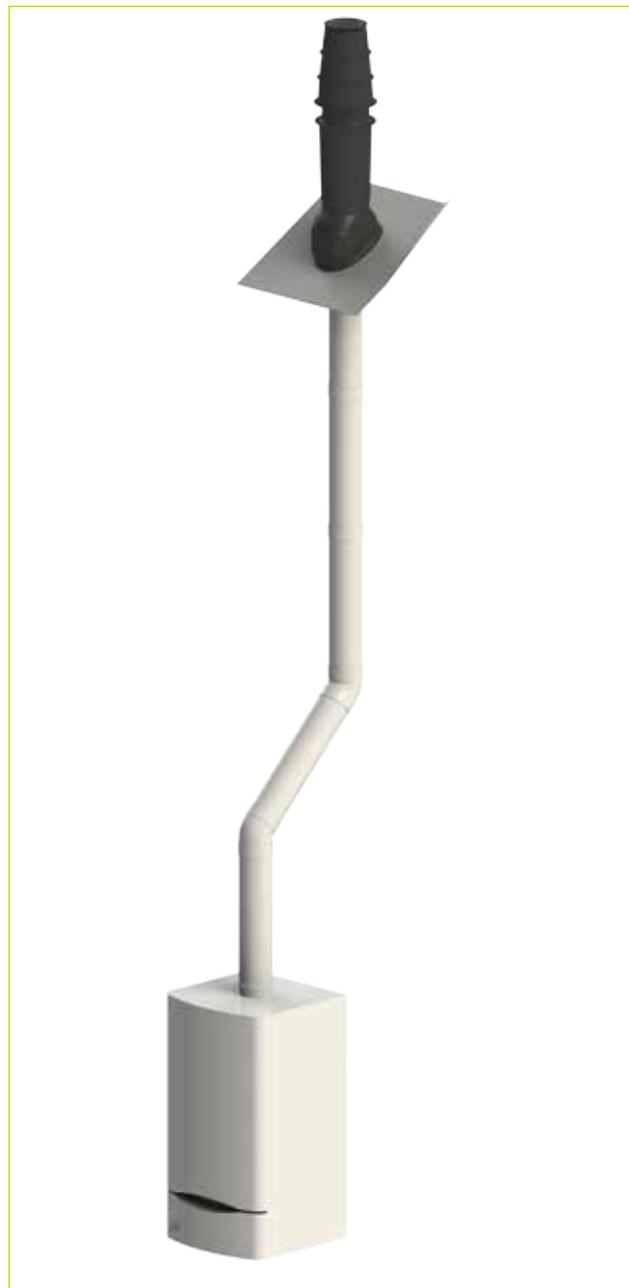
A PP flue gas pipe has a greater thermal expansion than a metal pipe. In the design of our concentric flue systems, this expansion is fully taken into account. Expansion of the inner pipe will not cause the concentric flue system to part. In case of a leakage in the flue pipe, the fumes will flow only into the air supply to the boiler. If too high a recycle content arises from flue gases, the boiler will fall on fault. This does prevent any dangerous situation for residents.

⚠ Safety

A concentric system also creates an extra safeguard in the event that carbon monoxide (CO) was formed at combustion, by minimizing risk of dangerous gas escaping into the room.

Product range:

- Pipes in lengths 250, 500 and 1000 mm
- Bend 87° and 45°
- Bend 87° with 2 measuring points
- Inspection piece
- Measuring point
- Adapters
- Fire resistant wall plate with fire protection collar
- CONNEXT® roof terminal and wall terminal



COXDENS[®] PP/ALU

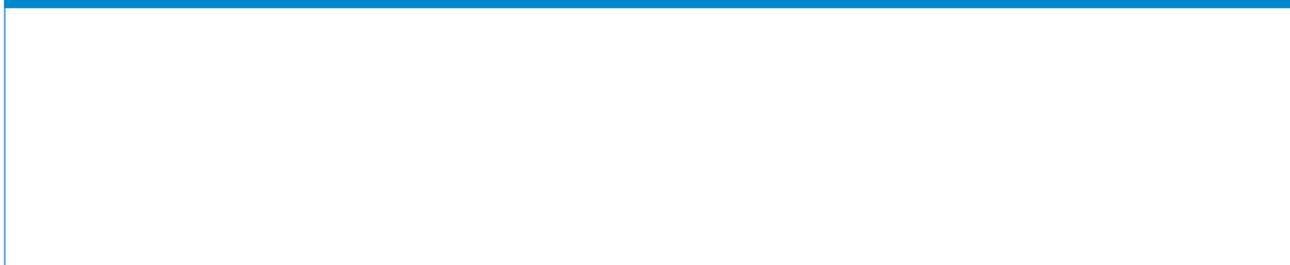
COXDENS[®] PP/ALU IS THE CONCENTRIC PP/ALUMINIUM FLUE GAS SYSTEM WITH LIP SEALS AND IS AVAILABLE IN DIAMETERS 60/100, 80/125 AND 100/150 MM.

Product range

- Pipe in lengths 250, 500, 1000 and 1950 mm
- Bend 87°, 45°, 30° and 15°
- Bend 87° with measuring point
- Adjustable pipe
- Inspection piece
- Inspection T-Piece
- Condensate drain
- Measuring point and drain
- Chimney bend 87° with support
- Fire resistant wall plate with integrated fireproof plate and fire protection seal
- Adapters
- ECONEXT[®] roof terminal and wall terminal



THE SPECIALIST IN YOUR AREA



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