



HeatBloC® ECom
Heating technology



HeatBloC® ECom series DN 25 / DN 32

Innovative system technology for modern heating



HeatBloC® ECom series

- Complete solution with distribution manifold or separator or available as a single group
- Fast und simple installation
- Quick and easy installation

Preassembled group of fittings

Flat-sealing connections

with union nuts for assembly on PAW distribution manifolds; with PAW mounting equipment, the installation on wall brackets is possible

Check valve in the return

Functional insulation

made of permanently elastic EPP, complete insulation of the valves and fittings, ventilation opening to cool the pump

3-way T-mixing valve, on request with bypass 0-50 %

integrated check valve, receptacle for actuator



Immersion thermometer with shut-off handle

can be pulled off, with an immersion sleeve integrated in the ball valve

High-efficiency pump

pre-assembled with 2 m mains connection cable, already installed, integrated in the insulation, pressure tested, with serial number, perfectly designed system, pump characteristics

The pump can be entirely isolated

No draining necessary during servicing

Free access to the pump head

Actuator PSR5

1.5 m mains connection cable, snap-in mechanism, 230 V, 50 Hz, 5 Nm, 120 s/90°



HeatBloC® ECom D
direct heating circuit



HeatBloC® ECom M
with 3-way mixing valve



HeatBloC® ECom MB
with 3-way mixing valve
with bypass 0-50%



Distribution manifold, 2-fold



Hydraulic separator



completely preassembled

completely insulated with EPP half shells

low hydraulic resistance

thermal separation between flow and return chamber



flange connection

high production quality

serial number: reliable identification, fast service



no mixing of the flow and return flow: top return: bottom

high Kvs value

consistent flow conditions

same design of the separator and the distribution manifold = use of one insulation



optimum temperature measuring 1/2"

immersion sleeve for optional temperature sensor at the highest point

1/2" drain valve at the bottom side

serial number: reliable identification, fast service



Technical data HeatBloC® ECom		DN 25	DN 32			
Materials						
Valves and fittings	Brass, composite, steel					
Seals	EPDM					
Insulation	EPP					
Operating parameters						
Nominal pressure	6 bar					
Max. operating temperature	110 °C					
Connections / dimensions						
Connection generator	1½" ext. thread, flat sealing	2" ext. thread, flat sealing				
Connection consumer	1" int. thread	1¼" int. thread				
Centre distance	125 mm					
Width	250 mm					
Installation length	342 mm	400 mm				
Recommended application range (at DeltaT 20 K)						
	ECom D		ECom M		ECom MB	
	DN 25	DN 32	DN 25	DN 32	DN 25	DN 32
Max. power	50 kW	65 kW	40 kW	50 kW	40 kW	50 kW
Max. flow rate	2150 l/h	2800 l/h	1750 l/h	2150 l/h	1750 l/h	2150 l/h

Techn. data distrib. manifold DN 25/32

Materials	
Valves and fittings	Steel S235JR
Seals	EPDM
Insulation	EPP
Operating parameters	
Max. pressure	6 bar
Max. temperature	110 °C
Connections / dimensions	
F 1" + 1 ½" ext. thread available as 2-fold, 3-fold and 4-fold solution	
Distance between connecting pieces	125 mm
Recommended application range (at DeltaT 20 K)	
Range of performance	70 kW
Max. flow rate	3 m³/h
Kvs value	23

Techn. data hydr. separator DN 25/32

Materials	
Valves and fittings	Steel S235JR
Seals	EPDM
Insulation	EPP
Operating parameters	
Max. pressure	6 bar
Max. temperature	110 °C
Connections / dimensions	
F 1" + 1 ½" ext. thread	
Distance between connecting pieces	heating circuit = 125 mm; boiler circuit = 375 mm
Recommended application range (at DeltaT 20 K)	
Range of performance	70 kW
Max. flow rate	3 m³/h



Illustration		Item no.
	HeatBloC® ECom D – DN 25 direct heating circuit	
	Wilo Para SC 25/6-43	4936011WP6
	Grundfos UPM3 Auto 25-70	4936011GM6
	without pump	4936011
	HeatBloC® ECom D – DN 32 direct heating circuit	
	Wilo Para SC 30/6-43	4939011WP6
Grundfos UPM3 Auto 32-70	4939011GM6	
without pump	4939011	
	HeatBloC® ECom M – DN 25 mixed heating circuit, with actuator SR5	
	Wilo Para SC 25/6-43, PSR5	4936051WP6
	Grundfos UPM3 Auto 25-70, PSR5	4936051GM6
	without pump, PSR5	4936051
	HeatBloC® ECom M – DN 32 mixed heating circuit, with actuator SR5	
	Wilo Para SC 30/6-43, PSR5	4939051WP6
Grundfos UPM3 Auto 32-70, PSR5	4939051GM6	
without pump, PSR5	4939051	
	HeatBloC® ECom MB – DN 25 mixed heating circuit with bypass, with actuator PSR5	
	Wilo Para SC 25/6-43, PSR5	4936061WP6
	Grundfos UPM3 Auto 25-70, PSR5	4936061GM6
	without pump, PSR5	4936061
	HeatBloC® ECom MB – DN 32 mixed heating circuit with bypass, with actuator PSR5	
	Wilo Para SC 30/6-43, PSR5	4939061WP6
Grundfos UPM3 Auto 32-70, PSR5	4939061GM6	
without pump, PSR5	4939061	

Illustration		Item no.
	<p>Distribution manifold DN 25 flange 1" x 1½" ext. thread, insulated, thermally separated</p>	
	<p>Distribution manifold DN 25 – 2-fold</p>	463412
	<p>Distribution manifold DN 25 – 3-fold</p>	463413
	<p>Distribution manifold DN 25 – 4-fold</p>	463414
	<p>Distribution manifold DN 32 flange 1¼" x 2" ext. thread, insulated, thermally separated</p>	
	<p>Distribution manifold DN 32 – 2-fold</p>	4637123
	<p>Distribution manifold DN 32 – 3-fold Distribution manifold DN 32 – 4-fold</p>	4637133 4637143
	<p>Hydraulic separator DN 25 flange 1" x 1½" ext. thread, up to 3000 l/h, ½" immersion sleeve, ½" draining</p>	
	<p>Hydraulic separator DN 25</p>	463471
	<p>Hydraulic separator DN 32 flange 1½" x 2" ext. thread, up to 5000 l/h</p>	
<p>Hydraulic separator DN 32</p>	463771	
	<p>Screw connection set DN 25 2x insert, 1" int. thread, 2x composite union nut 1 ½", with seal</p>	483431
	<p>Screw connection set DN 32 2x insert, 1¼" int. thread, 2x composite union nut 2", with seal</p>	483731
	<p>Wall bracket for modular distrib. manifold DN 25 / DN 32 Two wall brackets (galvanised steel) and fastening screws for distribution manifold on the wall bracket</p>	34721
	<p>Pipe set DN 25 for hydraulic separator, insulated</p>	3442KS1



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