



**KWB**

Energy. Thought further.

# Log wood heating systems 15–38 kW

Technology & Planning 2026

# KWB Classicfire type CF1

## Log wood heating system 15/20 kW

- Log wood boiler with lower burnout and high-temperature refractory brick combustion chamber
- Large fill room for logs up to 55 cm (L50, D15, according to ISO 17225-5) and a moisture content of between 15% and 25% (stored in a dry place)
- Easy filling thanks to large front fill door
- Special automated heat-up with regulated heat-up air supply
- Carbonization gas removal for smoke-free stoking
- Ash-removal and cleaning towards the front
- Speed-regulated and speed-monitored induced draft fan for performance control
- Safety battery for boiler cooling in case of a power failure
- Stoking and cleaning tool set

### KWB Comfort 4 control comprising:

- Exclusive control unit incl. buffer storage tank and domestic hot water management, expandable with external heating circuit control

**Optional:** 4th and 5th buffer temperature sensor

**Optional:** KWB Basic control unit or KWB Exclusive control unit

**IMPORTANT!** A sufficiently large buffer storage tank is absolutely required. Usable minimum buffer volume 1.000 l.



Available while

supplies last.



# KWB Classicfire CF1 / CF1 E

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**Optional:** 4th and 5th buffer temperature sensor

**Optional:** KWB Basic control unit or KWB Exclusive control unit

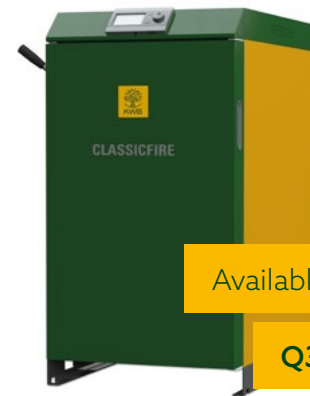
**IMPORTANT!** A sufficiently large buffer storage tank is absolutely required. Usable minimum buffer volume 1.000 l.

### Equipment variant type CF1

- Optionally expandable with automatic ignition
- Optionally expandable with automatic heat exchanger cleaning system

### Equipment variant type CF1 E

- Electric filter included as standard
- Automatic heat exchanger cleaning system included as standard
- Optionally expandable with automatic ignition



Available from

Q3 2026.



# KWB Classicfire type CF2

## Log wood heating system 18–38kW



- Modular, 3x divided boiler body, including insulation
- Stable powder-coated system casing incl. insulation for minimal radiation and standby loss
- 185l fill room – the largest of its class (upon request also available with 150l fill room)
- Integrated flange for a possible upgrade to a log wood-pellet combination boiler
- Broadband lambda probe for accurate residual oxygen measuring
- Speed-regulated induced draught fan for modulating power adjustment
- Upright tubular heat exchanger
- Suitable for the burning of log wood with a max. length of 55 cm (L50, D15 according to ISO 17225-5) and moisture content of between 15% and 25% (stored in a dry place), filling transversely is possible with 1/3 m wood logs (with 185 l fill room)

**Optional:** fully automatic heat exchanger cleaning

**Optional:** fully automatic ignition (1.000W)

**Optional:** quick-charge valve for intelligent buffer charging for a quicker heat provision

### KWB Comfort 4 control comprising:

- Exclusive control unit
- Modular control board incl. terminal board
- Including all boiler sensors and 1 outside temperature sensor
- Incl. activation of a buffer storage tank with 3 buffer temperature sensors

**Optional:** 4th and 5th buffer temperature sensor **Optional:** KWB Basic control unit or KWB Exclusive control unit

**IMPORTANT!** A sufficiently large buffer storage tank is absolutely required.  
 Recommended tank volume: Optimal: 16-litre buffer storage tank per litre fill room  
 Minimum: 10-litre buffer tank per litre fill room





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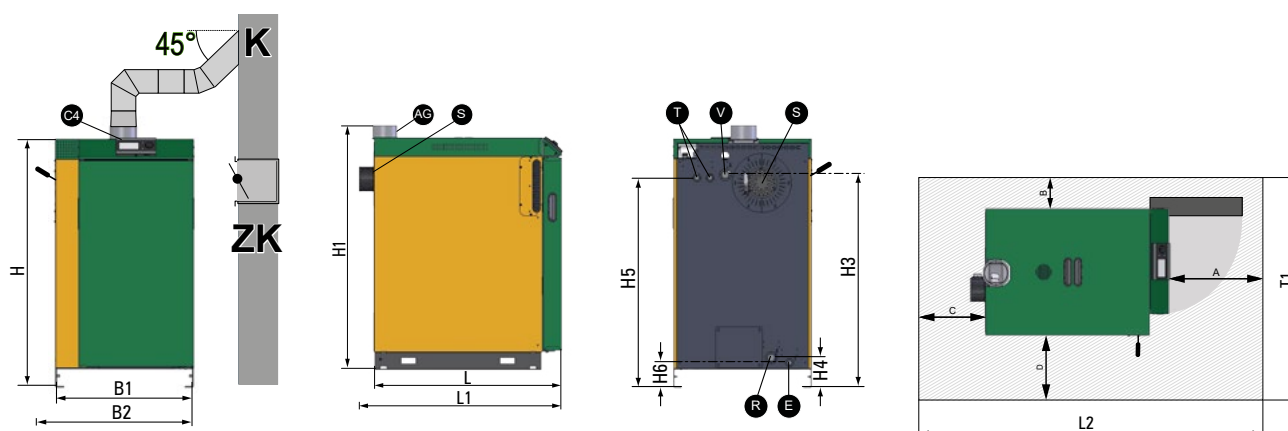
Log wood heating systems 15–38 kW

# KWB Classicfire CF1

## Installation and connecting dimensions

Available while

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### Legend

<b>V</b>	Boiler & storage tank forward flow	Sleeve 1"
<b>R</b>	Boiler & storage tank return flow	Sleeve 1"
<b>E</b>	Emptying	Sleeve ½"
<b>T</b>	Connection, safety battery	Sleeve ½"
<b>AG</b>	Exhaust gas connection (outside diameter)	129
<b>S</b>	Induced draught fan	-
<b>C4</b>	Operating panel KWB Comfort 4 control	-
<b>L</b>	Heating system length	1.000
<b>L1</b>	Total length incl. induced draught fan	1.080
<b>L2</b>	Total length incl. minimum distances	> 2.220
<b>B</b>	Width, boiler	685
<b>B1</b>	Width, boiler incl. cleaning lever	790

<b>H</b>	Height of the heating system	1.235
<b>H1</b>	Total height incl. exhaust gas nozzle	1.300
<b>H3</b>	Connection height, forward flow	1.055
<b>H4</b>	Connection height, return flow	150
<b>H5</b>	Connection height, safety battery	1.040
<b>H6</b>	Height, emptying	125
<b>T1</b>	Total width incl. minimum distances	> 1.385
<b>A</b>	Insulation door to the wall	800
<b>B</b>	Boiler side to the wall	200 (500*)
<b>C</b>	Rear side to the wall	400
<b>D</b>	Boiler side to the wall	200 (500*)

\* The heating should be placed on one side (B or D) at a distance of at least 500 mm to the wall to ensure easy access to the heating system connection and for maintenance work.

### Dimensions for boiler transport and placement

<b>KWB Classicfire 1</b>	
<b>Delivery condition</b>	1.000x685x1.230

All dimensions in mm | Length x Width x Height | Distances stated are minimum!

# KWB Classicfire CF1

Available while

## Technical data

supplies last.

CF1	Unit	15	20
Rated power	kW	15,0	20,0
Boiler efficiency at rated power	%	92,6	92,3
Fuel thermal output at rated power	kW	16,2	21,7
Full load burning period: Beech	h	4,9 - 7,0	3,5 - 5,0
Spruce			
Boiler class according to EN 303-5:2012	–	5	5
EU Energylabel <sup>2</sup>	–		A+
<b>Water side</b>			
Water content	l		90
Water connection, forward/return flow (internal thread)	inch		1
Water connection for filling and/or emptying (internal thread)	inch		1/2
Water-side resistance at 20 K	mbar	0,5	1,5
Boiler-entry temperature	°C		60
Working temperature/operating temperature	°C		90
Maximum operating pressure	bar		3
Buffer tank required	–		✓
Minimum usable buffer tank volume <sup>3</sup>	l	825	1100
Recommended usable buffer tank volume (for Switzerland)	l	1000 (1200)	1500
<b>Exhaust-gas side (data for chimney design)</b>			
Required draft at rated power/partial load	mbar		0,08
Induced draught required	–		✓
Exhaust-gas temperature at rated power	°C	150	170
Exhaust-gas mass flow at rated power	kg/h	36,0	46,8
Exhaust-gas mass flow at rated power	kg/s	0,010	0,013
Chimney connection height	mm		1395
Exhaust-gas connection diameter	mm	130	130
Chimney diameter (minimum)	mm		150
Chimney design: moisture-resistant	–		✓
<b>Electrical system</b>			
Connection	–	230V, 1~ 50Hz, C13 A	230V, 1~ 50Hz, C13 A
Unit switch and main switch: present	–		✓
Elektrisk effekt ved nominel last	W	41	42
Energy requirement standby	W		9
<b>Weights</b>			
Total weight	kg	455	465
<b>Noise emissions (EN 15036-1)</b>			
Normal operating noise at rated power	dB(A)		< 70
<b>Fuel</b>			
Permitted fuels: log wood A2 / D15 L50 acc. to EN ISO 17225-5	–		✓
Maximum length log-wood	cm		55,0
Maximum water content (fresh weight)	kg/kg		≤ 25
<b>Fill area</b>			
Fill area volume	l		80
Width of fill doors	mm		350
Height of fill doors	mm		360

<sup>2)</sup> energy efficiency index of the integrated unit comprising solid fuel boiler and temperature control

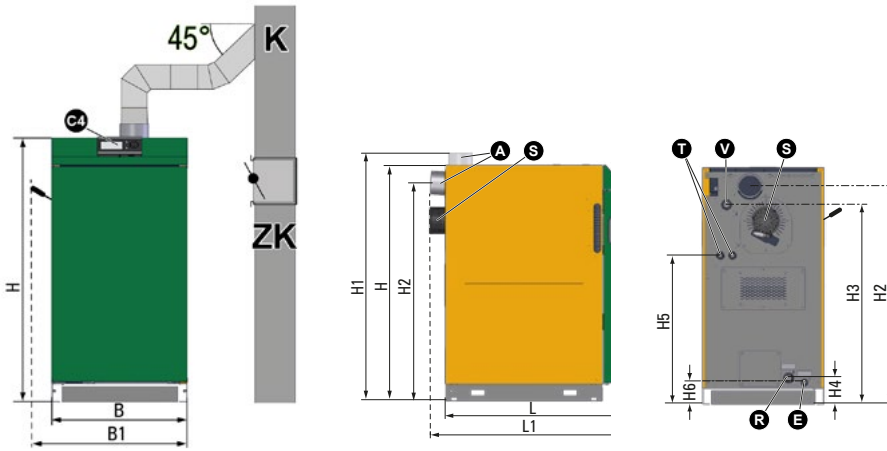
<sup>3)</sup> according to BAFA (55 litres/kW)

Available from

Q3 2026.

# KWB Classicfire CF1 / CF1 E

## Installation and connecting dimensions

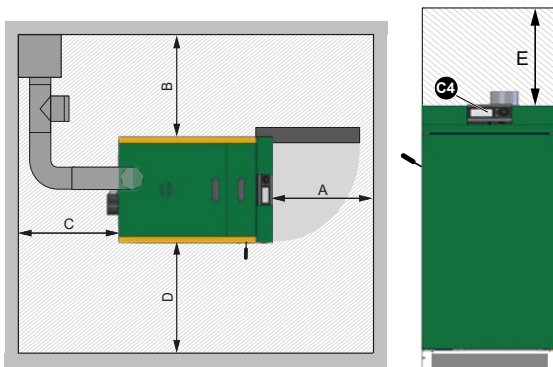


### Legend

V	Boiler & storage tank flow	
R	Boiler & storage tank return flow	
E	Emptying	
T	Connection, thermal safety valve	
A	Exhaust gas connection	
S	Induced draught fan	
C4	Operating panel KWB Comfort 4 control	
L	Boiler length	1.000
L1	Boiler length incl. rear exhaust gas connection	1.070
B	Boiler width	685

B1	Boiler width incl. cleaning lever	830
H	Boiler height	1.335
H1	Total height incl. exhaust gas nozzle	1.385
H2	Height of rear exhaust gas connection	1.230
H3	Connection height, flow	1.125
H4	Connection height, return flow	150
H5	Connection height, thermal safety valve	840
H6	Height, emptying	125

## Recommended clearances in the boiler room



### Legend

A	Clearance - front side to wall	800
B	Clearance - boiler side to wall	200
C	Clearance - rear side to wall	400
D	Clearance - boiler side to wall	500 / 200 <sup>1</sup>
E	Minimum room height	500 <sup>2</sup>

<sup>1</sup> Maintenance of the boiler heat exchanger only possible from the front

<sup>2</sup> Maintenance clearance required above for removal of WOS springs

All dimensions in mm | Length x Width x Height | Distances stated are minimum!

# KWB Classicfire CF1/CF1 E

Available from

Q3 2026.

## Technical data

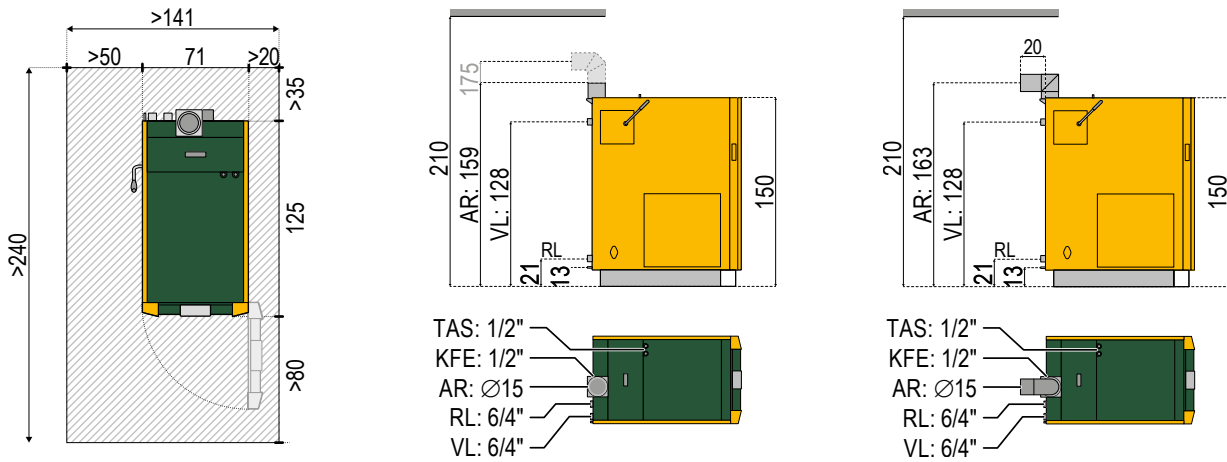
CF1 / CF1 E	Unit	CF1 15	CF1 E 15	CF1 20	CF1 E 20
Rated power	kW	15,0	15,0	20,0	20,0
Boiler efficiency at rated power	%	92,6	95,0	92,2	95,2
Fuel thermal output at rated power	kW	16,2	15,8	21,7	21,0
Full load burning period: Beech	h	4,9 - 7,0	4,9 - 7,0	3,5 - 5,0	3,5 - 5,0
Spruce					
Boiler class according to EN 303-5:2021	-	5	5	5	5
EU Energylabel <sup>1</sup>	-	A+	A+	A+	A+
<b>Water side</b>					
Water content	l	90	90	90	90
Water connection, forward/return flow (internal thread)	inch	1	1	1	1
Water connection for filling and/or emptying (internal thread)	inch	1/2	1/2	1/2	1/2
Thermal safety valve: pressure	bar	2-4	2-4	2-4	2-4
Water connection for thermal safety valve (internal thread)	inch	1/2	1/2	1/2	1/2
Water-side resistance at 20 K	mbar	0,5	0,5	1,5	1,5
Boiler-entry temperature	°C	60	60	60	60
Working temperature/operating temperature	°C	90	90	90	90
Maximum operating pressure	bar	3	3	3	3
Buffer tank required	-	✓	✓	✓	✓
Minimum usable buffer tank volume <sup>2</sup>	l	825	825	1100	1100
Recommended usable buffer tank volume (for Switzerland)	l	1000 (2000)	1000 (2000)	1500	1500
<b>Exhaust-gas side (data for chimney design)</b>					
Required draft at rated power/partial load	Pa	8,0	8,0	8,0	8,0
Required draft at rated power/partial load	mbar	0,08	0,08	0,08	0,08
Induced draught required	-	ü	ü	ü	ü
Exhaust-gas temperature at rated power	°C	150	150	170	170
Exhaust-gas mass flow at rated power	kg/h	31,5	31,3	38,9	37,6
Exhaust-gas mass flow at rated power	kg/s	0,009	0,009	0,011	0,010
Chimney connection height	mm	1385/1230	1385/1230	1385/1230	1385/1230
Exhaust-gas connection diameter	mm	130	130	130	130
Chimney diameter (minimum)	mm	150	150	150	150
Chimney design: moisture-resistant	-	✓	✓	✓	✓
<b>Fuel</b>					
Permitted fuels: log wood A2 / D15 L50 acc. to EN ISO 17225-5	-	✓	✓	✓	✓
Maximum length log-wood	cm	55	55	55	55
Maximum water content (fresh weight)	kg/kg	≤ 25	≤ 25	≤ 25	≤ 25
<b>Fill area</b>					
Fill area volume	l	80	80	80	80
Width of fill doors	mm	350	350	350	350
Height of fill doors	mm	360	360	360	360
<b>Electrical system</b>					
Connection	-	230V, 1~50Hz, C16 A	230V, 1~50Hz, C16 A	230V, 1~50Hz, C16 A	230V, 1~50Hz, C16 A
Unit switch and main switch: present	-	✓	✓	✓	✓
Elektrisk effekt ved nominal last	W	46	60,5	47	70,5
Energy requirement standby	W	8,3	7,5	8,0	7,5
<b>Weights</b>					
Total weight	kg	455	490	465	500

<sup>1</sup>) energy efficiency index of the integrated unit comprising solid fuel boiler and temperature control

<sup>2</sup>) according to BAFA (55 litres/kW)

# KWB Classicfire CF2

## Installation and connecting dimensions



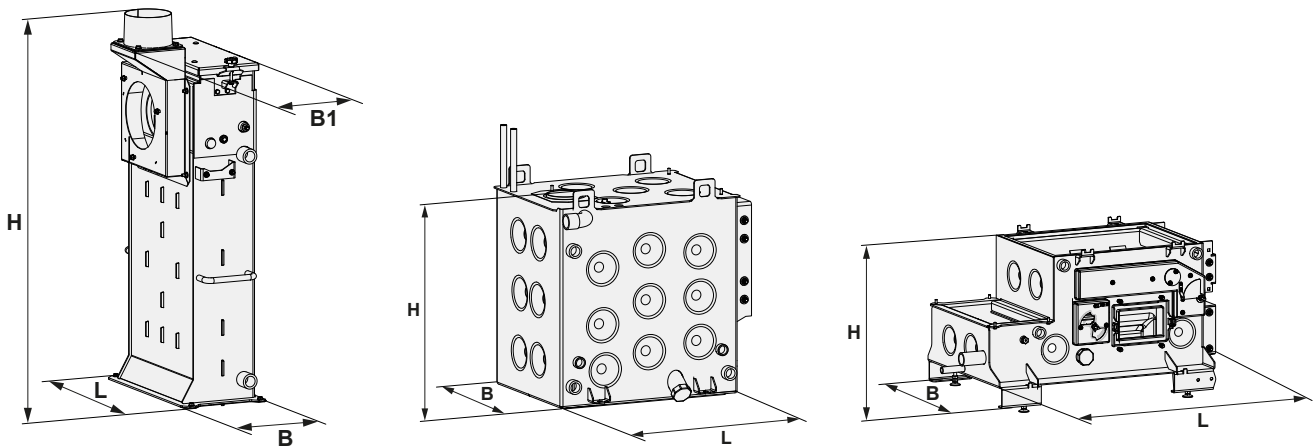
### Legend

<b>AR</b>	Exhaust pipe Ø 150 mm (bend 90° optionally available)
<b>KFE</b>	Filling and emptying 1/2"
<b>P</b>	Space requirements for the pellet burner including clearance for maintenance

<b>RL</b>	Connection return flow 6/4"
<b>TAS</b>	Thermal discharge safety valve feed and discharge 1/2"
<b>VL</b>	Connection forward flow 6/4"

Scale 1:50 | All dimensions in cm | Width x Height | Distances stated are minimum distances!

## Divided boiler with individual weights



### Legend

<b>H</b>	1240
<b>L</b>	572
<b>B</b>	288
<b>B1</b>	401
<b>Weight (kg)</b>	110

### Legend

<b>H</b>	925
<b>L</b>	840
<b>B</b>	650
<b>Weight (kg)</b>	220

### Legend

<b>H</b>	630
<b>L</b>	1220
<b>B</b>	680
<b>Weight (kg)</b>	170 + 90 (combustion chamber stones)

All dimensions in mm | Length x Width x Height | Distances stated are minimum distances!

**Note:** You will find detailed technical data on our website's product pages.

# KWB Classicfire CF2

## Technical data

CF1.5   CF2	Unit	CF1.5/CF2 18	CF1.5/CF2 28	CF1.5/CF2 32	CF1.5/CF2 38
		Log wood	Log wood	Log wood	Log wood
Rated power	kW	18,0	28,0	32,0	38,0
Partial load	kW	-	14,0	14,0	14,0
Boiler efficiency at rated power	%	93,9	92,5	91,9	91,3
Boiler efficiency at partial load	%	-	92,0	92,0	92,0
Fuel thermal output at rated power	kW	19,2	30,3	34,8	41,6
Fuel thermal output at partial load	kW	-	15,2	15,2	15,2
Full load burn-off period CF1.5	h	10,0	6,2	5,9	5,8
Full load burn-off period CF2	h	12,2	7,6	7,3	6,6
Boiler class according to EN 303-5:2012	-			5	
EU Energylabel	-			A+	
<b>Water side</b>					
Water content	l			141	
Water connection, forward/return flow (internal thread)	inch			6/4	
Water connection for filling and/or emptying (internal thread)	inch			1/2	
Thermal safety valve: pressure	bar			2-4	
Water connection for thermal safety valve (internal thread)	inch			1/2	
Water-side resistance at 20 K	mbar			13,5	
Boiler-entry temperature	°C			55	
Working temperature/operating temperature	°C			80	
Maximum permitted temperature	°C			110	
Maximum operating pressure	bar			3,5	
Minimum usable buffer tank volume CF1.5	l			1500	
Minimum usable buffer tank volume CF2	l			1800	
Recommended usable buffer tank volume CF1.5	l			1800	
Recommended usable buffer tank volume CF2	l			2500	
<b>Exhaust-gas side (data for chimney design)</b>					
Combustion chamber temperature	°C			900-1100	
Required draft at rated power/partial load	mbar			0,08	
Induced draught required	-			✓	
Exhaust-gas temperature at rated power	°C			160	
Exhaust-gas temperature at partial load	°C			-	
Exhaust-gas mass flow at rated power	kg/s			0,023	
Exhaust-gas mass flow at partial load	kg/s	-	0,011	0,011	0,011
Exhaust-gas volume at rated power	Nm <sup>3</sup> /h			54	
Exhaust-gas volume at partial load	Nm <sup>3</sup> /h	-	27	27	27
Chimney connection height	mm			1590	
Exhaust-gas connection diameter	mm			150	
Incline of the Exhaust-gas pipe	°			≥ 3	
Chimney diameter (minimum)	mm			150	
Chimney design: moisture-resistant	-			✓	
<b>Electrical system</b>					
Connection	-			230V, 1~ 50Hz, C13 A	
Unit switch and main switch: present	-			✓	
Connected power boiler (minimum)	W			151	
Connected power boiler (maximum)	W			1288	
<b>Weights</b>					
Heat exchanger	kg			108	
Burning chamber module	kg			273	
Fill chamber module	kg	224/221	224/221	224/221	224/221
Total weight (without/with pellet module)	kg			722	
<b>Noise emissions (EN 15036-1)</b>					
Normal operating noise at rated power	dB(A)			< 70	
<b>Fill chamber</b>					
Fill chamber volume CF1.5	l			160,8	
Fill chamber volume CF2	l			183,8	
Width of fill doors	mm			440	
Height of fill doors	mm			364	

mg/Nm<sup>3</sup> ... Milligram per standard cubic meter (1 Nm<sup>3</sup> under 1.013 hectopascal at 0 °C)

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# Notes

A large grid of small dots, intended for taking notes. The grid consists of approximately 30 columns and 40 rows of dots, providing a structured space for writing.