

BOMAT MINITHERM CHP SERIES

Minitherm exhaust gas heat exchangers for heat recovery from CHP units.



Illustration contains optional special paint and labelling

Minitherm		Product number
01-GG-1504-NT-4-K-3	Exhaust gas inlet: Rp1 (DN25)*	99 614 20
01-GG-1504-NT-4-K-3	Exhaust gas inlet: Rp2 (DN50)*	99 614 50
01-GG-1012-NT-4-K-6	Exhaust gas inlet: Ø selectable (see accessories)	94 650 00
01-GG-1016-NT-4-K-6	Exhaust gas inlet: Ø selectable (see accessories)	94 651 00
01-GG-1022-NT-4-K-6	Exhaust gas inlet: Ø selectable (see accessories)	94 652 00
01-GG-1512-NT-4-K-6	Exhaust gas inlet: Ø selectable (see accessories)	94 653 00
01-GG-1516-NT-4-K-6	Exhaust gas inlet: Ø selectable (see accessories)	94 654 00
01-GG-1522-NT-4-K-6	Exhaust gas inlet: Ø selectable (see accessories)	99 636 20

FEATURES

- Rotatable exhaust gas inlet header* with cleaning cover and flange adaptor for different exhaust pipe Ø
- Incl. protective cover
- Rotatable exhaust gas outlet bend with coupling and gasket to connect to exhaust pipe, incl. cleaning cover and condensate drain
- AWR safety unit, 230 V, with indicator lights, 80 °C temperature limiter for water temperature plus 120 °C high limit safety cut-out to protect exhaust pipe
- Cleaning brush for heat exchanger pipes
- Welded mounting plate for height-adjustable base frame or wall fixture (please order accessories separately)

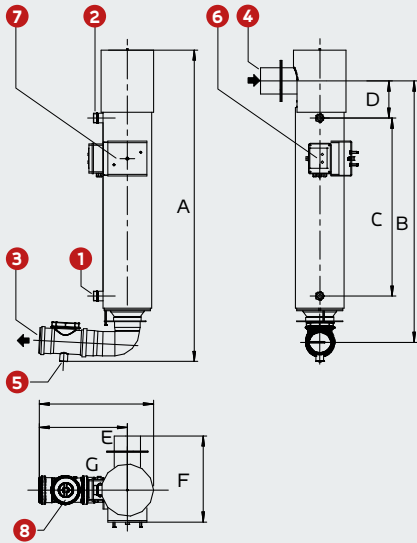
ACCESSORIES

→ see page 38

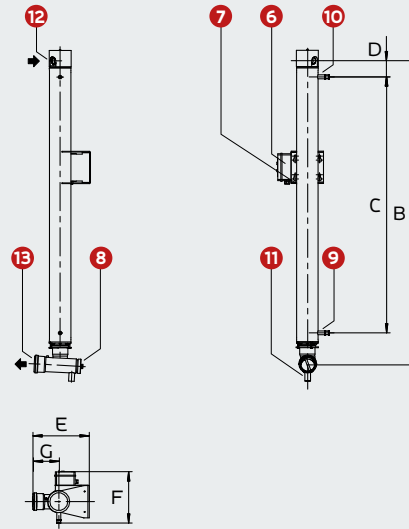
* Rotatable in 90° increments – connector Rp1 (DN25)/ Rp2 (DN25)

FOOTPRINT AND CONNECTION DIMENSIONS

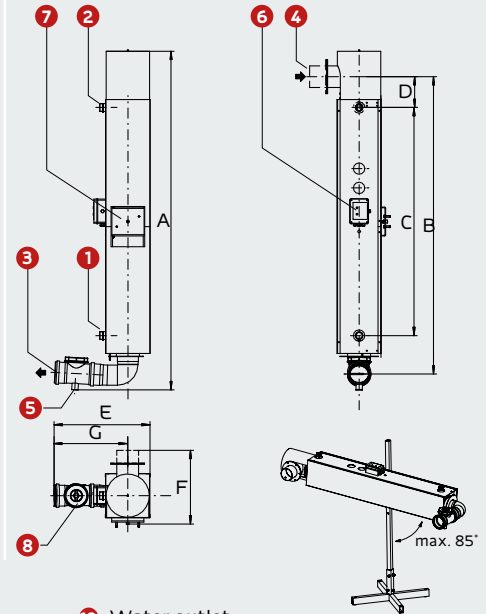
01-GG-1012-NT-4-K-6 and
01-GG-1022-NT-4-K-6 Series



01-GG-1504-NT-4-K-3 Series



01-GG-1512-NT-4-K-6 and
01-GG-1522-NT-4-K-6 Series



Key

- 1 Water inlet
R 1 1/2 EN 10226 (DN 40)
- 2 Water outlet
R 1 1/2 EN 10226 (DN 40)
- 3 Exhaust gas outlet *, rotatable
(coupling DN 125 PP)
- 4 Exhaust gas inlet *, rotatable
(exhaust gas inlet connector = accessory)

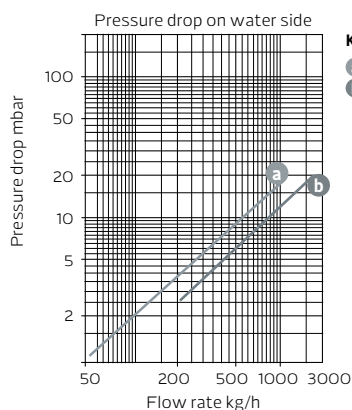
- 5 DN40 condensate outlet
- 6 AWR safety unit
- 7 Mounting panel (for wall mounting bracket
or base frame = accessory)
- 8 Cleaning aperture (2nd cleaning aperture
at top under protective cover, but not on
01-GG-1504-NT-4-K-6)
- 9 Water inlet R 1/2 EN 10226 (DN 15)

- 10 Water outlet
R 1/2 EN 10226 (DN 15)
 - 11 DN32 condensate outlet
 - 12 Exhaust gas inlet Rc1 (DN 25)
 - 13 Exhaust gas outlet (coupling DN 80 PP)
- * make connections free of weight and free
of vibrations (for example with conduit pipes
or compensators)

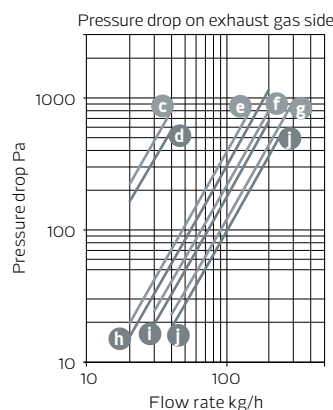
Minitherm 01-GG- →

		1504-NT (Rp1)	1504-NT (Rp2)	1012-NT	1016-NT	1022-NT	1512-NT	1516-NT	1522-NT
Water capacity	litres	3,9	3,9	16	15	13	24	23	21
Exhaust gas HLSC, max. setting	°C	120	120	120	120	120	120	120	120
Permissible operating pressure	bar	3	3	6	6	6	6	6	6
Max. perm. exhaust gas inlet temp.	°C	250	250	250	250	250	250	250	250
Max. perm. water outlet temp.	°C	85	85	85	85	85	85	85	85
Max. perm. exhaust pressure drop	Pa	5000	5000	5000	5000	5000	5000	5000	5000
Weight	kg	25	25	67	69,5	74,5	76,5	80	80
Dimensions (mm)									
	A	1875	1875	1605	1605	1605	2105	2105	2105
	B	1705	1705	1350	1350	1350	1850	1850	1850
	C	1430	1430	920	920	920	1420	1420	1420
	D	90	105	195	195	195	195	195	195
	E	320	320	590	590	590	595	595	595
	F	290	290	470	470	470	470	470	470
	G	150	150	460	460	460	460	460	460

Pressure drop on exhaust gas side < 10 mbar. Maximum permissible exhaust gas sound pressure level 70 dB(A). Provide suitable protection on site if sound pressure is higher. All data is without guarantee. Subject to change without notice.



- Key**
- a 01-GG-1504-NT
 - b 01-GG-1022-NT
bis 01-GG-1522-NT



- Key**
- c 01-GG-1504-1-NT (Rp1)
 - d 01-GG-1504-1-NT (Rp2)
 - e 01-GG-1512-NT
 - f 01-GG-1516-NT
 - g 01-GG-1522-NT
 - h 01-GG-1012-NT
 - i 01-GG-1016-NT
 - j 01-GG-1012-NT