

BLÜCHER Metal A/S



Declaration of Performance

No. 001



1. Construction product type:

Welded stainless steel pipes and fittings

2. Construction product identification:

BLÜCHER EUROPIPE® OD40mm, OD50mm, OD75mm, OD82mm, OD110mm, OD125mm, OD160mm, OD200mm, OD250mm.

Type 811: Straight pipe with coupling

Type 801: Sealings

Type 820: 15° bends, 20° bends, 30° bends, 45° bends, 68° bends, 87,5° bends

Type 825: 90° bends

Type 821: 87,5° bends

Type 828: Branch 67,5°

Type 829: Branch 67,5°

Type 830: Branch 87,5°

Type 831: Double branch 87,5°

Type 832: Double branch 87,5°

Type 836: Double branch 45°

Type 837: Double branch 45°

Type 838: Branch 45°

Type 839: Swept branch 87,5°

Type 822: Bend 87,5° with access

Type 840: Pipe with access

Type 841: Double coupling

Type 842: Double slip coupling

Type 843: Expansion socket

Type 869: Expansion socket, long

Type 850: Reducer, increaser

Type 853: Adaptor

Type 803: Rubber insert

Type 891: Rat stop

Type 892: Rat stop

Type 525: Water trap

Type 847: Pipe joint clamp

Type 890: Saddle clamp

Type 860: Pipe hanger

Type 895: Pipe hanger

Type 844: Socket plug

Type 855: Toilet adaptor

Type 856: Toilet adaptor

Type 858: Toilet adaptor

3. The intended use(s) of the construction product:

Longitudinally welded stainless steel pipes and fittings with spigot end and socket for waste water systems.

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4. Manufacturer's name and address:

BLÜCHER Metal A/S
Pugdalsevej 1
7480 Vildbjerg
DENMARK

5. Name and address of the authorised representative:

Not applicable

6. System(s) of assessment and verification of constancy of performance of the construction product (AVCP):

4

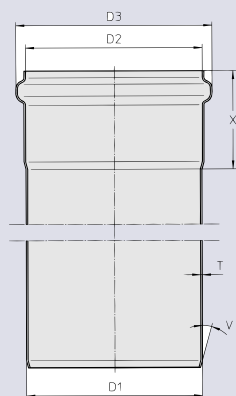
7. Where applicable notified authority's task(s):

Not applicable

8. Declared performance:

Essential characteristics	Performance	Harmonised technical specification
Pipe material	1.4301 (AISI 304) 1.4404 (AISI 316L)	EN 10088
Pipe dimensions	See Table 1	EN 1124
Reaction to fire	A1 - non-combustible	EN 1124 Commission decision 96/603/EC
Tightness	See Table 2	EN 1124
Pipe expansion	See Figure 1	

Table 1



DIMENSIONS - COUPLING AND SPIGOT END					
Drainage pipes available in outer diameters 40, 50, 75, 82, 110, 125, 160, 200 og 250 mm					
D1	D2	D3	X	V	T
40	41	52	47	20°	1
50	51	61	47	20°	1
75	76	87	55	20°	1
82	83	94	57	20°	1
110	111	123	62	20°	1
125	126	140	65	20°	1
160	161	177	78	20°	1,25
200	201	219	98	20°	1,5
250	251	277	116	20°	1,5

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Table 2

Coupling / spigot end joint secured by clamp type 847.000.XXX can resist the following pressure:	
Pipe dimension	Max. permanent operating pressure
OD 40 mm	+ 2.0 bar
OD 50 mm	+ 2.0 bar
OD 75 mm	+ 2.0 bar
OD 82 mm	+ 2.0 bar
OD 110 mm	+ 2.0 bar
OD 125 mm	+ 1.0 bar
OD 160 mm	+ 1.0 bar
OD 200 mm	+ 0.5 bar
OD 250 mm	+ 0.2 bar

Figure 1

LONGITUDINAL EXPANSION

The figure shows the relationship between pipe length L in m and longitudinal expansion ΔL in mm at various temperature differences Δt .

Example: A 3 m pipe will expand by 2.5 mm at a temperature difference of 50°C.

The increase in length for a given pipe length can also be calculated from the following formula.

$$\Delta L = 0.0165 \times \Delta t \times L$$

where

ΔL = longitudinal expansion in mm

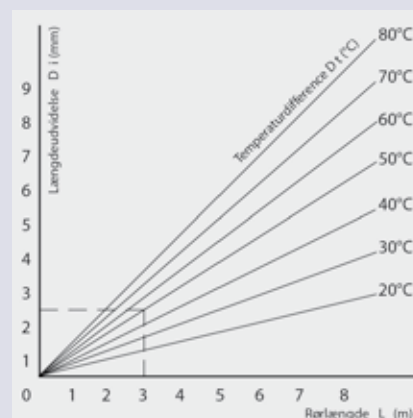
0.0165 = coefficient of expansion in mm/m/°C

Δt = temperature difference in °C

(Δt = max. temp. in the pipe system

– temperature when pipe system installed)

L = length of the pipe system in m.



9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Vildbjerg, July 1, 2013

Martin Frølund Svalgaard, Product Manager

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