

**Neutrakon<sup>®</sup>**  
**Neutralizer Type 06/BA**

**for Condensate from  
Oil Condensing Boilers**

**Buderus**

# Neutrakon<sup>®</sup> Neutralizer for Condensate from Oil Condensing Boilers

## Type Booster 06/BA

Instructions for use number: 88-430-101us

### 1. Installation

(See installation sketch number: 88-700-101us)

**1.1** Remove the black screen from the drain connection!

**1.2** Place the activated charcoal package into the prechamber (No.13). Shake the Neutrakon<sup>®</sup> in order to distribute the activated charcoal and granule evenly.

**1.3** Floor or wall installation is possible.

In case of floor operation with direct feed into a condensate pump, attach the mounting feet (No.18) underneath the fixtures (No.7).

For wall installation, first attach the fixture (No.7) to the wall vertically using provided wall anchors and screws (No.21). Then secure the Neutrakon<sup>®</sup> using the bracket (No.8).

**1.4** Attach the booster pump (No.11) to the Neutrakon<sup>®</sup> using the hook and loop straps (No.9).

Plug in the air hose (No.12) to the booster.

Connect the cable (120V) to the burner using a provided adapter so that the booster is parallel to the burner.

**All electrical work must be carried out by a trained installer.**

**1.5** Connect the inlet nozzle (No.1) to the condensate drain on the boiler.

Condensate accumulation in the hose must be avoided in order to guarantee proper functionality of the Neutrakon<sup>®</sup>.

#### **⚠ Drain nozzle pointing down!**

Connect the drain to the sewer.

If self-drainage is not possible, use a condensate pump.

#### **⚠ 1.6 Check for leaks!**

### 2. Operation

Condensate flows through the Neutrakon<sup>®</sup> granules and the acid is neutralized.

### 3. Functional verification

**⚠ The Neutrakon<sup>®</sup> must be tested at least once a year!**

**1.** Check the fill level! If the granules level is below the maximum (red sticker, No.15), maintenance is required

**2.** Measure the pH value using the pH indicator strips or a digital meter! If the pH value is below 6.5, maintenance is required.

**⚠ 3. Replace the activated charcoal at least once a year.**

Do not fill to capacity!

**4.** Granulate caking or possible discoloration do not affect the neutralization effects of the filter!

**5.** Neutralization can only take place if the liquid runs through the granules!

The granules fill level must not fall below the condensate level!

**⚠ In order to eliminate the risk of plugging, the inlet and drain nozzles must not be fully covered with granules or activated charcoal.**

### 4. Maintenance

**1.** Loosen the connecting screws and remove the filter from the fixture.

**2.** If the granule is caking, loosen it using the enclosed cleaning rod.

**3.** Fill with fresh granules up to the maximum fill level indicator.

**⚠ Leave at least 1 ¼" of space above the granules and / or activated charcoal.**

**4.** Install the Neutrakon<sup>®</sup>. **Check for leaks.**

### 5. Reactivity and disposal

The granule disposes of itself. Carbonic acid in the aggressive condensate combines with the granules, forming magnesium hydrogen carbonate  $Mg(HCO_3)_2$  while the  $NO_x$  combines

into magnesium nitrate  $Mg(NO_3)_2$ . Both are fully soluble salts that are very common in nature. The granule is approved for drinking water treatment.

Granulate residue and activated charcoal are disposed of in ordinary household garbage.

### 6. Data

Characteristics		Neutralizes condensates from oil condensing boilers
Fuel		Heating oil
Nominal thermal load on the upstream heat source, max	MBtu/hr	126
Connecting dimensions	Inch	DN 40 and / or hose 0.8"
Inlet level	Inch	4.7" (min. 3.8")
Outlet level	Inch	3.8"
Dimensions	Inch	With Booster: L26" – B6" – H8¼" Without Booster: L26" – B6" – H6¼"
Neutralizer / fill level		Neutrakon <sup>®</sup> - granule, 9.9 lbs
Activated charcoal / fill level		Activated charcoal D47, 1.1 lbs
Temperature max.	°F	140
Maintenance interval – annually		annually
Condensate inlet	pH	min. pH 2.0

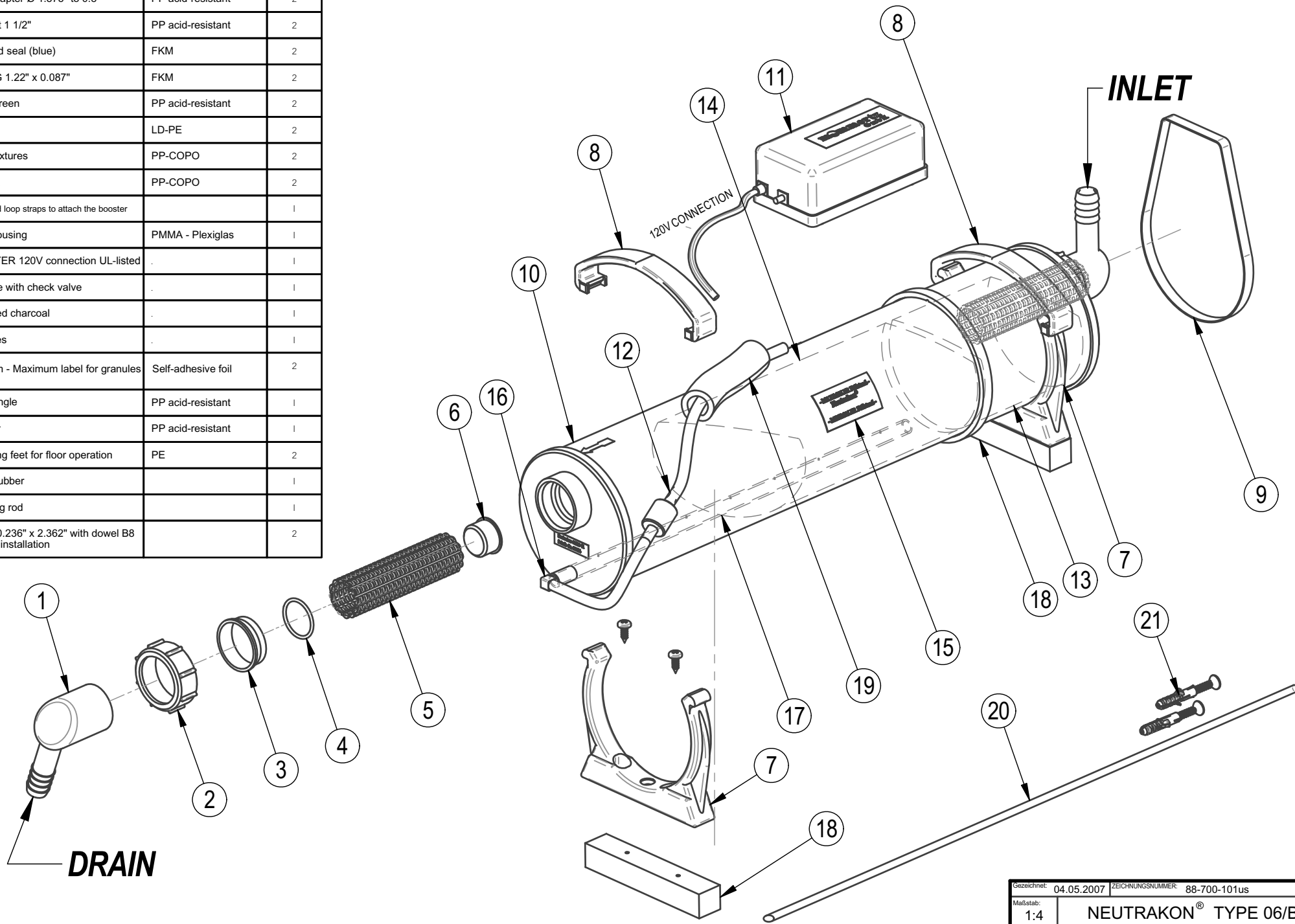
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Made in Germany

Item No.	Description	Material	Quantity
1	Pipe adapter Ø 1.575" to 0.8"	PP acid-resistant	2
2	Cap nut 1 1/2"	PP acid-resistant	2
3	Tapered seal (blue)	FKM	2
4	O-RING 1.22" x 0.087"	FKM	2
5	Pipe screen	PP acid-resistant	2
6	Cap	LD-PE	2
7	Feet / fixtures	PP-COPO	2
8	Bracket	PP-COPO	2
9	Hook and loop straps to attach the booster		1
10	Filter housing	PMMA - Plexiglas	1
11	BOOSTER 120V connection UL-listed		1
12	Air hose with check valve		1
13	Activated charcoal		1
14	Granules		1
15	Minimum - Maximum label for granules	Self-adhesive foil	2
16	Hose angle	PP acid-resistant	1
17	Diffuser	PP acid-resistant	1
18	Mounting feet for floor operation	PE	2
19	Foam rubber		1
20	Cleaning rod		1
21	Screw 0.236" x 2.362" with dowel B8 for wall installation		2





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