

DATA SHEET

# pH Safe 2

## Neutralization cartridge

Sauermann® part #: PH02UL01UN00



### Protecting and respecting the environment

Capable of neutralizing up to 1.6 Gallons (6 liters) per hour of acidic condensates at pH3, the pH Safe 2 has been specifically designed to treat condensates produced by gas condensing boilers and furnaces. The pH Safe 2 is easy to install and can be used in a gravity installation or just before the condensate pump.

### Benefits



#### Protect the pipe system and the environment

- Prevents damage to concrete and corrosion of metal parts.
- Helps protect the environment.



#### Immediate, constant efficiency

- The inlet and outlet at opposite ends of the cartridge force the condensate to pass through all of the granules.
- The inlet is located lower than the outlet and below the level of the granules, forcing the condensates to remain in the cartridge for a sufficient length of time.
- The neutralization capacity is optimal over time.



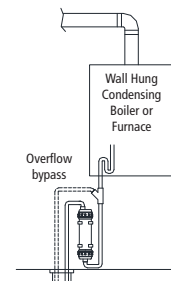
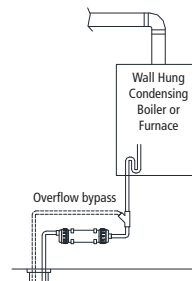
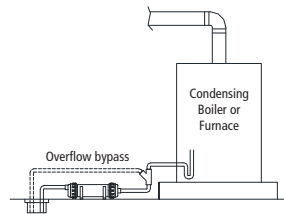
#### Optimized replacement frequency

- The transparent cartridge means that the consumption level of the active product is always visible.
- Replacement if required, according to the volume and acidity of the condensates treated.



#### Easy to use

- Installation can be horizontal (recommended) or vertical.
- **Easy installation** of the cartridge, with clip fixation collars.
- **Easy replacement** of granules, (Ref.: SPPH0202).
- No dead volume of sulphuric acid posing a threat to the installer.
- Compact design suitable for installation with both floor and wall mounted boilers and furnaces.



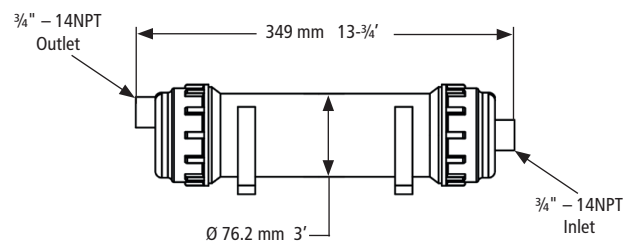
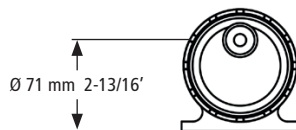
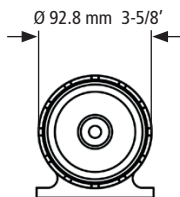
### Kit content

- Neutralization cartridge supplied with granules and ready to use
- Two attachment brackets for attaching to a wall or the floor
- Two screws and plugs

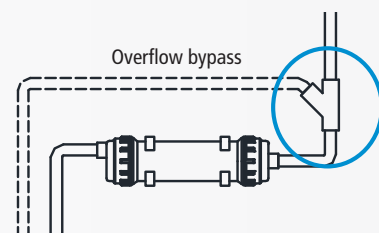
## Technical specifications

<b>Max. condensate acidity</b>	<b>pH &gt; 3.0</b> (Gas condensing boilers and furnaces)
<b>Max. condensate volume</b>	660 Gallons
<b>Max. boiler capacity</b> (can be more depending on actual pH level and condensate volume)	400,000 BTU/hr at 93% efficiency
<b>Estimated replacement period</b> (can be longer depending on actual pH level and condensate volume)	12 months
<b>Inlet &amp; outlet tube diameter</b>	M Ø 1 1/2" (40 mm) F Ø 1/2" (21.3 mm)
<b>Max. condensate temperature</b>	149 °F (176 °F – 1 min)
<b>Safety standards</b>	EC
<b>RoHS directive</b>	Compliant
<b>WEEE directive</b>	Compliant
<b>Treatment product weight</b>	2 lb (0.900 kg)
<b>Weight (including box)</b>	4.4 lb (2 kg)
<b>Cartridge</b>	L 13-3/4" x Ø ext. 3-5/8"
<b>Packaging</b>	1 pc (L 4-3/8" x W 16-1/8" x H 4-1/8')
<b>Pallet quantity</b>	231 pcs - 1100 lb (500 kg)

## Dimensions



To protect your installation and avoid discharge of condensate into the boiler or furnace, we recommend that you add a bypass to the flow circuit as shown here (whatever the position of the cartridge, whether horizontal or vertical).



## Applications

Gas condensing boilers or furnaces



## Accessories

Name	#Part
<b>Flexible adaptor for PVC tubes</b> OD 5/8" - 3/4" - 1" - 1 1/4" - 1 1/2" (Ø ext. 15 - 20 - 24 - 32 - 40 mm)	ACC00939
<b>Adaptor between rigid and flexible tubes</b> OD 1/2" - 1 1/4" to 1/4" - 3/8" (Ø ext. 21-40 mm to Ø 6-10 mm)	ACC00921

## Consumables

Name	#Part
<b>Granule refill for pH Safe 2</b>	SPPH0202