

SERVICE BOX PRO

**SAFE OPERATION AND EASY MAINTENANCE
IN BIOGAS PLANTS, WASTEWATER TREATMENT FACILITIES
AND INDUSTRIAL APPLICATIONS**



BENEFITS AT A GLANCE

SAFE - RELIABLE - MAINTENANCE FRIENDLY

With our Service Box Pro for anaerobic digesters and feedstock storage tanks with concrete or membrane roofs, operation of mixers is child's play.

Rotating the mixer to the left and right or adjusting the height is done from outside the tank, thanks to the height adjustment winch.

The position and angle of the mixer can be inspected at any time with the integrated viewing window. The optionally integrated over/underpressure safety device provides reliable protection of the tank.

In addition, use of the Service Box Pro patented gas lock seal enables safe digester maintenance with low methane emissions.

General mixer maintenance can be completed on the Service Box platform thanks to the removable floor panel. For larger maintenance tasks or in case of replacement, mixers can be completely removed by simply loosening clamping bolts. All of this is possible without lowering the level of the tank or even opening the membrane roof. As a result, there is minimal or no impact on the biological process. That saves money and, of course, valuable time.

EFFICIENT:

Extended operating times with quick access for maintenance tasks

FLEXIBLE:

Suitable for tanks with concrete or membrane roof and for mixers with diameters of up to Ø1500mm (59inches)



SAFE:

Over/underpressure safety device for up to 5mbar overpressure and -1.3mbar underpressure

INTELLIGENT:

Adjustment unit for operation of mixers and inspection through viewing window

ROBUST:

Robust stainless steel design

YOUR SPECIALIST FOR SERVICE AND SAFETY

SERVICE BOX PRO



EXPERIENCE FLEXIBILITY

- » Use of mixers from various manufactures with a propeller diameter of up to 1500mm
- » Installation in tanks with concrete roofs or even with membrane roofs (20° to 45° angle up to ¼ sphere) possible

UNCOMPROMISING SAFETY

- » Integrated and frost-proof over/underpressure safety device for up to 5mbar overpressure and -1.3mbar underpressure
- » Integrated biogas connection flange
- » Spare instrument connections
- » Standard biogas component certified by the German TÜV-SÜD

MAXIMIZE DIGESTER ACTIVE VOLUME

- » Maximum active tank volume thanks to the simple adjustment of the mixer height and attack angle via the height adjustment device

QUICKER AND EASIER MAINTENANCE

- » Two service openings for smaller and larger maintenance tasks provide quick access while maintaining safety
- » Minimize biogas loss
- » Integrated viewing glass for quick inspection of the tank interior



Service Box with installation frame



Service Box for membrane roof with 20° angle

OUR EXTRAS

FOR EVEN GREATER COMFORT

There are various attachments and accessories available for the Service Box Pro. They can be optionally configured individually or as a package.

WORK PLATFORM:

Offers even more room for assembly and maintenance tasks on membrane roof installations. Handrails are provided for additional safety.



WINCH CABLE:

Winch cable between mixer and height adjustment device made of stainless steel or marine grade polymers



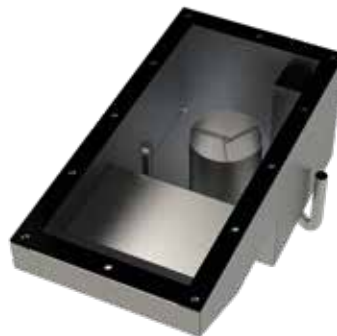
SQUARE GUIDE PIPE:

Guides the mixer in the tank



OVERPRESSURE/UNDERPRESSURE SAFETY DEVICE:

Integrated, frost-proof over/underpressure safety device



Overpressure safety device



Underpressure safety device

FLOOR BEARING AND ELEVATED TRIPODS:

Floor bearing for guiding the square guide pipe on the tank floor



Floor bearing



Elevated tripods available in 0.5m and 1m (20inch and 40inch) risers

HEIGHT ADJUSTMENT WINCH:

Reposition the mixer height and angle using the external winch and positioning device. Gear ratios allow for installation of mixers up to 350kg (770lbs).



SERVICE BOX PRO TYPICAL INSTALLATION

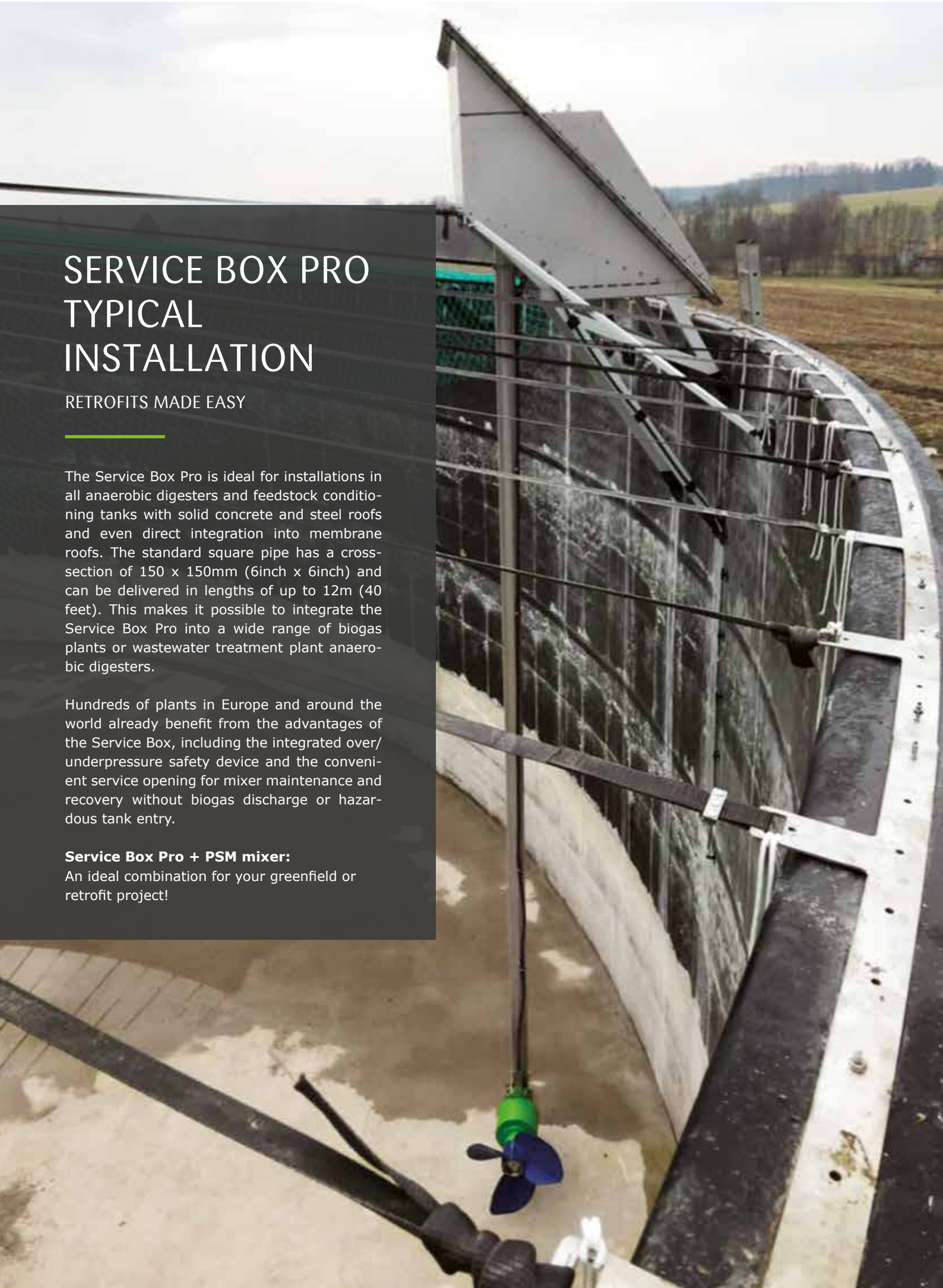
RETROFITS MADE EASY

The Service Box Pro is ideal for installations in all anaerobic digesters and feedstock conditioning tanks with solid concrete and steel roofs and even direct integration into membrane roofs. The standard square pipe has a cross-section of 150 x 150mm (6inch x 6inch) and can be delivered in lengths of up to 12m (40 feet). This makes it possible to integrate the Service Box Pro into a wide range of biogas plants or wastewater treatment plant anaerobic digesters.

Hundreds of plants in Europe and around the world already benefit from the advantages of the Service Box, including the integrated over/underpressure safety device and the convenient service opening for mixer maintenance and recovery without biogas discharge or hazardous tank entry.

Service Box Pro + PSM mixer:

An ideal combination for your greenfield or retrofit project!



OUR ANAERGIA TECHNOLOGIES

We offer solutions for the following applications:

- » Pump Technology
- » Mixing Technology
- » Separation
- » Extrusion Technology
- » Screening & Sorting
- » Size Reduction
- » Organic Polishing
- » Conveyor Technology



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