

Sanivar. SaniTube® D G/W/P

Our high performance stand-alone
'pull in' liner.

Application Areas.

Benefits

- D minimization of down times and traffic obstruction due to fast rehabilitation of extremely long installation lengths of up to 700 m including bends of up to 45°*
- D extremely cost efficient installation process
- D low civil engineering works, reduced cleaning requirements for host pipe
- D limited logistic costs
- D no need for expensive special installation equipment
- D improved network efficiency through enhanced conductivity [e.g. K value]
- D guaranteed lifetime of 50 years
- D 100% chemical-free installation process [no adhesives, resins such as epoxy, etc.]

* depending on radius and diameter

Setup & Installation.

SaniTube® is a super resistant fabric hose with a special inner and outer thermoplastic, which is reconnected to the existing pipeline using cast iron or steel flange coupling PN 16. After cleaning the pipe, the liner is folded and reconnected to the existing systems using cast iron or steel coupling. Finally, the liner is expanded using compressed air and a final pressure test is conducted – thereafter the liner will remain completely stand-alone.



SaniTube®
G/W/P



Technical Specifications.

Temperature Water, petrol, oil, and heating: up to 70°C / Gas: up to 80°C

Material Liner: circular-woven hose made by 100% polyester fibers

Coating: extruded, thermoplastic polyurethane and polyethylene

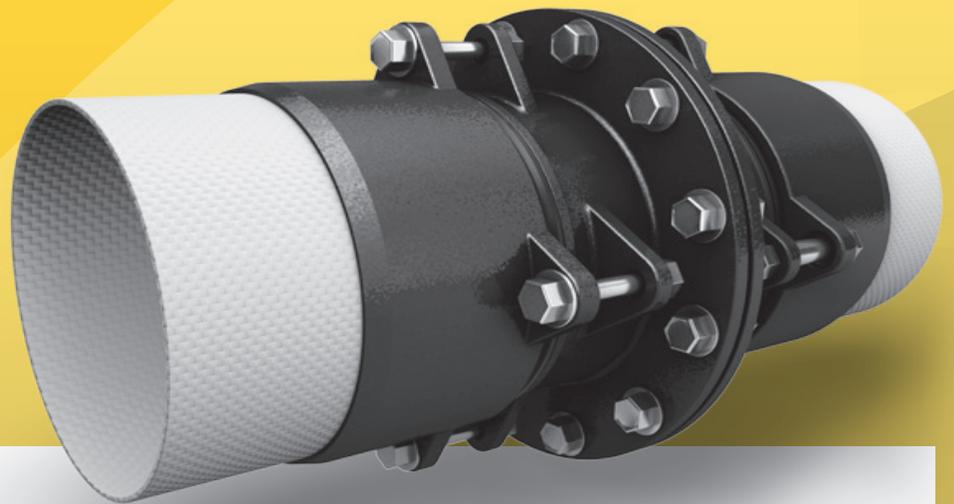
Exact specifications and characteristics always depend on the specific application and medium.

Technical Characteristics.

Tensile strength, longitudinal	1000 – 1500 N / cm	Wall thickness	2,6 – 3,5 mm
Tensile strength, radial	800 – 2000 N / cm	Diameter	80 – 400 mm
Elongation at break, longitudinal	20 – 25 %	install. Length	up to 700 m
Elongation at break, radial	40 – 50 %		

SaniTube® Installation & Engineering.

The 'pull in' procedure of SaniTube® requires a flange coupling connection. No resin, no impregnation, and no curing needed.



Setup & Installation.

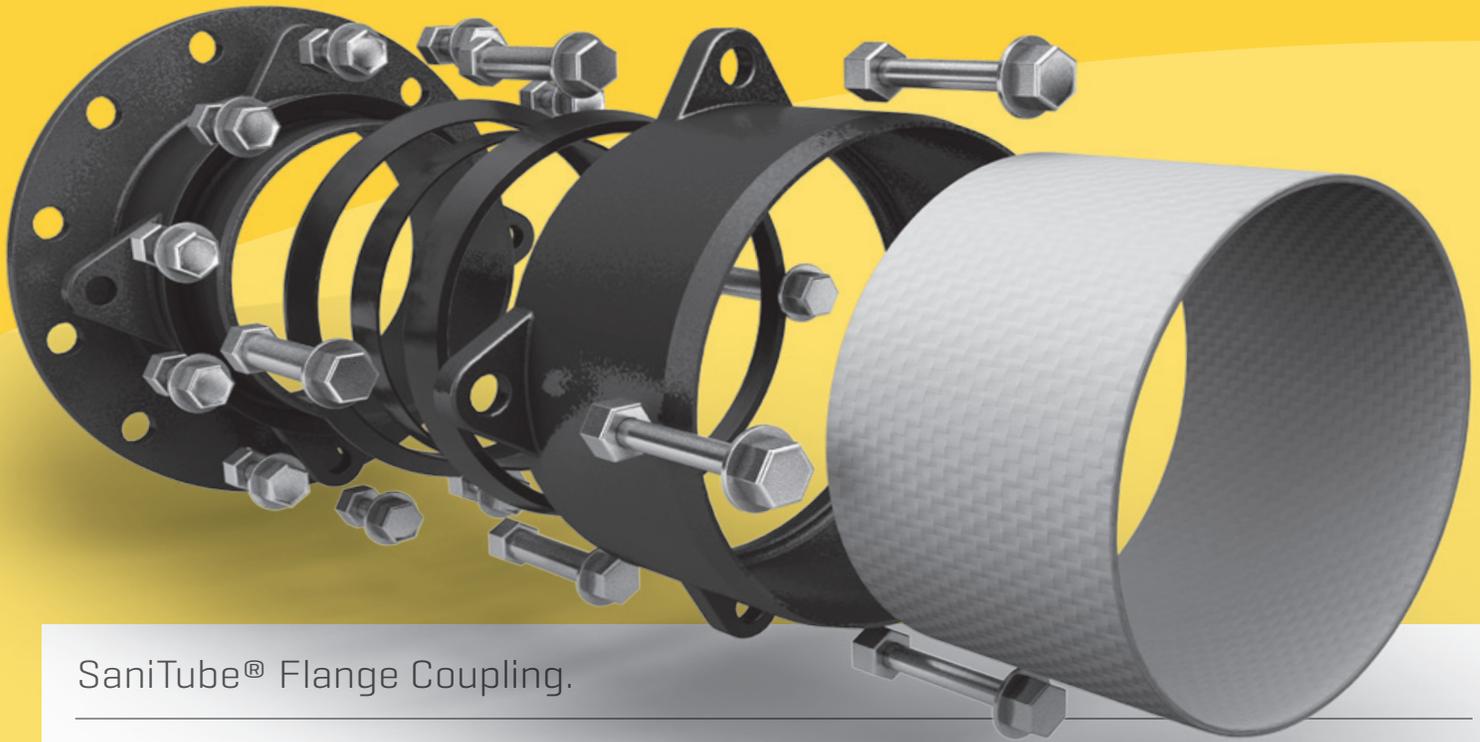
SaniTube® is pulled inside the cleaned pipeline. The liner is a flexible textile hose; delivered on reels, which provides a very long installation length of up to 1000 m.

Before conducting the pull in procedure, the pipe surface must be clear of obstacles, to prevent any damage of the

tube. SaniTube® is pulled inside with a winch. The flange coupling PN 16 is clamped onto the hose, and reconnected to the existing system. Flange couplings are safe, easy to apply and suiting all pipe materials.



SaniLine®
Flange coupling



SaniTube® Flange Coupling.

SaniTube® flange coupling PN 16 is ideally suited for the reconnection of SaniTube® for all common types of pipes, including cast-iron, ductile iron, steel, PE concrete and PVC.

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Burst Pressure Chart.

Durable, multi purpose hose for all common types of pipes. Offers a tremendous resistance to abrasion, with high flexibility featuring low pressure loss due to a uniform cover and lining.

Diameter mm [inch]	Wall thickness* [mm]	Weight* [g/m]	Burst pressure [bar]
DN 75 [3"]	3.0	780	54
DN 100 [4"]	2.6	700	40
DN 150 [6"]	2.9	1.200	34
DN 300 [12"]	3.5	2.500	31

*only standard values; minor differences are possible