

# 3X ENGINEERING

## STOPKiT® VESSEL



### ONLINE LEAK SEALING SOLUTION FOR EMERGENCY TANK AND PRESSURE VESSEL REPAIR



**ONSHORE / OFFSHORE**

-  Any designs
-  1,5m to 3,5m (59" to 138") diameters
-  Up to 40mm (1.6") defect size
-  Up to 30 bars (435 psi)
-  -20°C to +80°C
-  -4°F to +176°F
-  Oil  Gas  Water

**STOPKiT® VESSEL is a repair system for tank and pressure vessel able to seal a leak online in few minutes.**

This emergency and temporary solution is available under 4 references depending on the environment and the pressure vessel size.

STOPKiT® VESSEL is a patented concept made of

elastomeric patch (force converter), aramid belt and innovative tightening system. The ratchet mechanism pre-tensions quickly the strap and the final tightening is performed with screws.

## STOPKiT® VESSEL RANGE

Denomination	STOPKiT® VESSEL ONSHORE 2.5 (98")	STOPKiT® VESSEL ONSHORE 3.5 (138")	STOPKiT® VESSEL OFFSHORE 2.5 (98")	STOPKiT® VESSEL OFFSHORE 3.5 (138")
Use	ONSHORE ENVIRONMENT - EMERGENCY REPAIR		OFFSHORE ENVIRONMENT - EMERGENCY REPAIR	
Pressure vessel Diameter	1.5m to 2.5m (59" to 98")	2.5m to 3.5m (98" to 138")	1.5m to 2.5m (59" to 98")	2.5m to 3.5m (98" to 138")
Minimum Temperature	-20°C (-4°F)		-20°C (-4°F)	
Maximum Temperature	+80°C (+176°F)		+80°C (+176°F)	
Maximum Hole Size	Ø < 40mm / 1.6"		Ø < 40mm / 1.6"	
Maximum Pressure	30 bars (435 psi)		30 bars (435 psi)	

## STOPKiT® VESSEL COMPONENTS

STOPKiT® VESSEL sold in a rigid case including following components



- 1 Belt + rubber patch + tightening system (ratchet strap and screws)
- 2 Torque wrench
- 3 Additional patch (5 units) + magnet system for vertical installation + white marker
- 4 Positioner



## STOPKiT® VESSEL MAIN FEATURES & BENEFITS

- › Emergency repair system for tank, pressure vessel and column (any designs: horizontal or vertical)
- › Online sealing (no shutdown or depressurization required)
- › Temporary system (for long-term solution, refer to REINFORCEKiT® PATCH product)
- › Chemical resistant: elastomeric (HNBR) patch compatible with a wide range of chemical fluids
- › Large range of performance: can stop a leak up to 30 bars (435 psi), on pressure vessels operating up to +80°C (+176°F), from 1.5m (59") to 3.5m (138") diameters, in onshore and offshore environments
- › Ready-to-use (the packaging includes all required tools including torque wrench)
- › Reusable (delivered with 5 additional patches and possibility of purchasing spare parts)
- › Fast installation by trained and certified applicators

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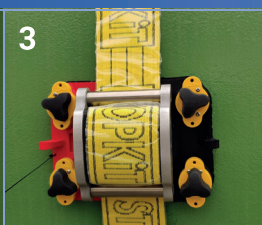
## STOPKiT® VESSEL IMPLEMENTATION (horizontal design\*)



Set-up the 1st part of the positioner



Install the STOPKiT® VESSEL and slide it over the leak



Set-up the 2nd part of the positioner



Tighten using ratchet system and the strength of your arms as much as possible



Tighten with torque wrench until the leak is sealed



Remove the positioner, roll the belt and fix it to the ratchet tensioner

\* For STOPKiT® VESSEL installation on vertical pressure vessel, an additional step using magnet system for fixing the belt is necessary (between steps 1 and 2)



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