

# Annulus Intervention

Safe and efficient repair of annular integrity issues



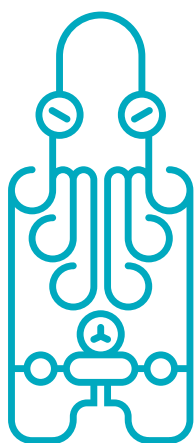
Casing integrity issues (Sustained Casing Pressure) is a growing concern for operators who are constantly seeking methods to manage well annulus leaks and new ways of innovating to increase production. Expro's Annulus intervention system has been developed for providing remediation of your well integrity issues without the use of a workover rig. Our system makes it economically profitable to regain shut-in and low production wells. It allows circulation, placement of sealant in pressurised annuli.

## Key applications

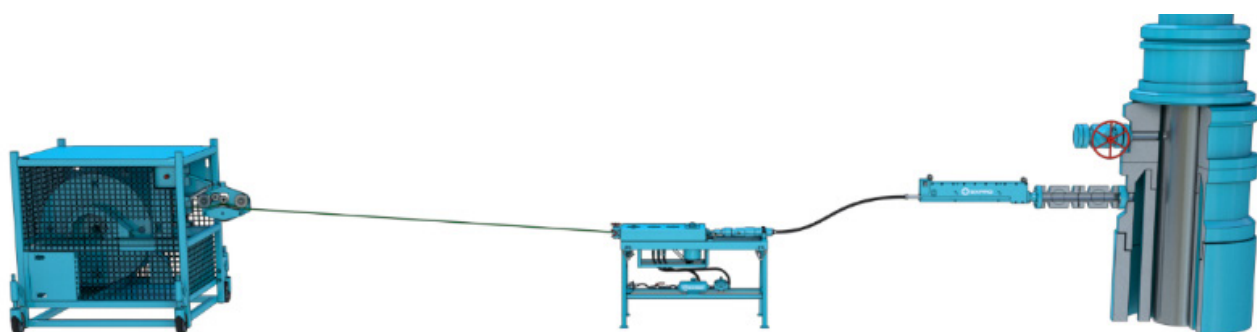
- Remove Shut-in casing pressure
- Casing integrity issues
- Corrosive fluid displacement
- Down hole spotting of resin
- Diagnostics
- Environmental and groundwater protection
- Preparation for P&A

## Features and benefits

- Significantly reduced cost, high rewards
- Smaller footprint and lower personnel requirements
- Rapid mobilisation
- Increased oil recovery through revitalisation of shut-in wells
- Environmental and groundwater protection
- First conventional annulus intervention system
- Reduces the requirement for a workover rig or heavy equipment
- Possibility to customise to different annuli and well types
- Well recovery by restoring well integrity and production



**Octopoda™**  
Diagnose | Solve | Secure



# Annulus Intervention - WellSpring System

## Main system

Specifications				
Description	Footprint (W x D x H)	Weight	MWP	Operating temperature range
Reeler	1510 x 1300 x 1620 mm	1750 kg (inc water filled hose)	10,000 psi / 690 bar	
Reeler control panel MWP (air)	447 x 447 x 1012 mm	24 kg	90 psi	
Stripper & injector table	1380 x 640 x 820 mm	40 kg	N/A	
Injector (mounted on frame)	890 x 390 x 390 mm	63 kg	N/A	
Stripper (mounted on frame)	Ø88.9 OD x 677 mm long	18.2 kg	5,000 psi / 345 bar	
Stripper control panel	405 x 745 x 955 mm	88 kg	90 psi (air)	
Injector control panel	447 x 447 x 1012 mm	23 kg	90 psi (air)	
Wellspring tool (including front adaptor)	1000-1400 mm length	46-56 kg	2900 psi / 200 bar	-29°C to 121°C
Main pumps	1040 x 560 x 720 mm	167 kg	5500 psi / 379 bar	
Pump manifold table	828 x 825 x 918 mm	40 kg	10,000 psi / 690 bar	
Test pump	340 x 290 x 390 mm	15 kg	10,000 psi / 690 bar	

Specifications	11.5 mm OD Wellspring hose	6.9 mm OD Wellspring hose
Outer diameter	11.5 mm	6.9 mm
Inner diameter	6.3 mm	3.4 mm
Collapse pressure	3263 psi / 225 bar	5438 psi / 375 bar
Working pressure	8700 psi / 600 bar	10,000 psi / 690 bar
Temperature rating	TBA	TBA
Weight	0.175 kg/m	0.072 kg/m
Pressure support	2 layers of high tensile steel wire	2 layers of high tensile steel wire

## For further information, please contact:

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## or visit:

[www.exprogroup.com/products-services/well-intervention/well-technology/annulus-intervention-services](http://www.exprogroup.com/products-services/well-intervention/well-technology/annulus-intervention-services)

