

DATA SHEET



OILSCO TECHNOLOGIES
A KEY ENERGY VENTURES COMPANY

MULTI ACTIVATION CIRCULATION SUB

New thinking. New levels
of drilling performance.

OILSCO Technologies' Next Generation (nx^g)
Multi Activation Circulation Sub.

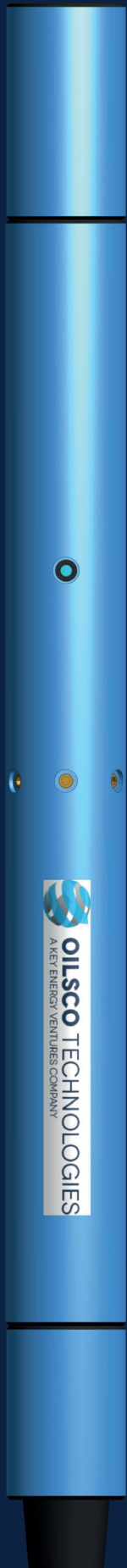
OILSCO Technologies' Multi Activation Circulation Sub is a next-generation solution for the global drilling industry.

A technological innovation that adds new efficiency to your drilling operations, its genius lies in its simplicity.

Rapid activation from the drill floor. No breaks required to the drill string and no ancillary kit needed – saving you valuable time. And an unlimited activation capability every time.

A new way of dealing – quickly and effectively – with lost circulation zones and the build-up of cuttings beds.

nx^g
NEXT GENERATION



OILSCO Technologies' Multi Activation Circulation Sub - it is a breakthrough technology.

Our Multi Activation Circulation Sub has been designed not only to overcome the most complex circulation challenges – but to do so with optimum efficiency and total reliability as part of your bottom hole assembly. It is a breakthrough technology: one that eliminates unnecessary rig downtime to save you time and money.

Key Features

- An innovative internal mechanism allows flow ports in the outer body to be opened and closed from the surface, simply via the operation of the mud pump controls by drilling personnel.
- Upon activation, a shut-off mechanism closes the tool inner bore, allowing lost circulation material to be pumped out through the side ports. It means MWD and LWD equipment located below the tool are protected – at all times.
- Our Multi Activation Circulation Sub bypasses the need to break the drill string as part of the process: no 'ball' or 'dart' devices required.
- It can be activated (opened or closed) as many times as you require during an individual drilling operation.
- Its activation/deactivation status – whether open or closed – can be instantly gauged on the drill floor.

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Circulation Sub Specifications (all sizes in inches unless otherwise specified)

Tool Series No	Tool OD	Tool Length	No of Nozzles	Connection Size & Type	Max Operating Temperature
NXG-CS-4750	4.75	112	3*	NC38 / 3-1/2 API IF	210°C
NXG-CS-6750	6.75	106	3*	NC50 / 4 API IF	210°C
NXG-CS-8250	8.25	106	3*	6-5/8 API Reg	210°C
NXG-CS-9500	9.5	106	3*	7-5/8 API Reg	210°C

* Nozzles Flow areas are set up separately for each run to provide a clear pressure drop indication when tools is in the active position. Pressure drop would be set up as a ratio between drilling pressure and circulating pressure and it could be selected from a range between one third to two thirds.**

** i.e. if drilling pressure is 2000 PSI then circulation pressure could be chosen from a range of 700-1300 PSI.

Applications

Lost circulation / Hole enlargement applications / Coring applications / Well cleanout / Wellhead cleanout
Horizontal and directional drilling / Surge protections

A NEXT-GENERATION SOLUTION THAT DELIVERS MORE.

Want more information on our Multi Activation Circulation Sub?
Visit www.oilsco-tech.com or email us at info@oilsco-tech.com