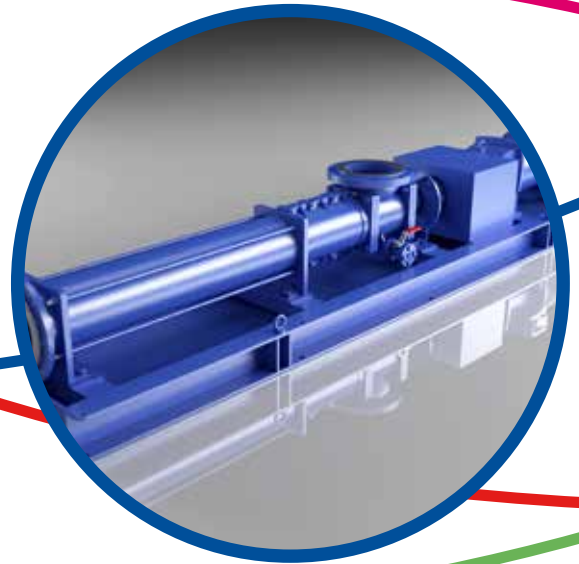
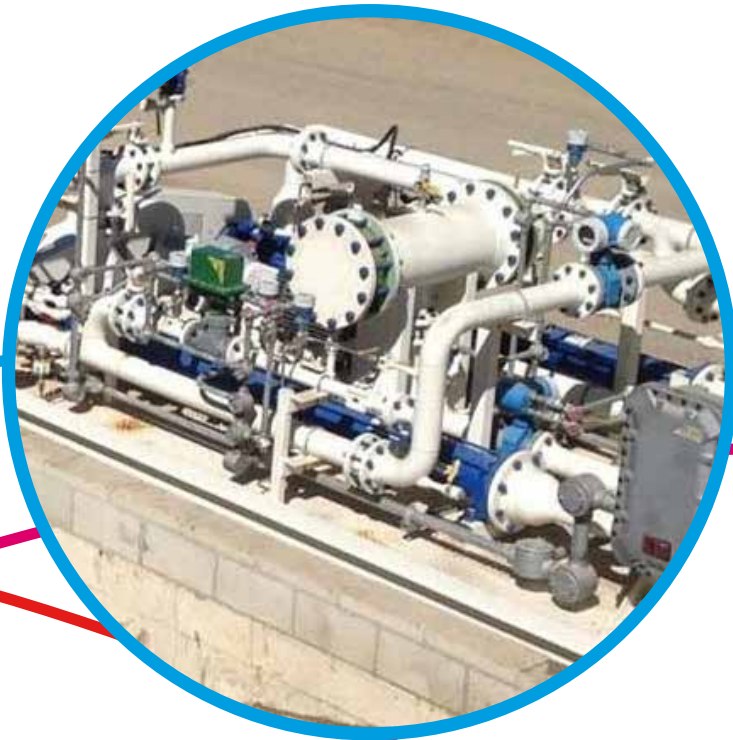


# Oil & Gas Solutions



**NOV** Mono<sup>®</sup>

Oil & Gas Solutions





Mono is a recognised name in the design, manufacture and supply of progressing cavity pumps, parts, grinders, screens and packaged solutions, worldwide. We have 8 international sites and a global distribution network, as well as over 75 years' experience in providing a range of products for the multiple application requirements of today's industries.

## Why Choose NOV Mono?

Progressing Cavity (PC) pump technology is ideal for the arduous applications of solids entrained multiphase fluids, which require steady flow and low shear to prevent emulsification, whilst resisting the effects of abrasion without gas locking.

NOV Mono have the experience and state of the art facilities at plants around the world for the manufacture, design and development of both pumping and drilling motor power sections, which are used in the exploration, production and processing of oil and gas.



## National Oilwell Varco

National Oilwell Varco Inc. is a worldwide leader in the design, manufacture and sale of equipment and components used in oil and gas drilling and production operations, the provision of oilfield services, and supply chain integration services to the upstream oil and gas industry.

National Oilwell Varco (NOV) is headquartered in Houston, Texas and has over 170 years' experience as a leading provider of products and services to the international oil and gas industry. It has over 100 subsidiaries, and currently has over 68,000 employees at 1,200 sites around the world, plus annual revenues in excess of \$22 billion.



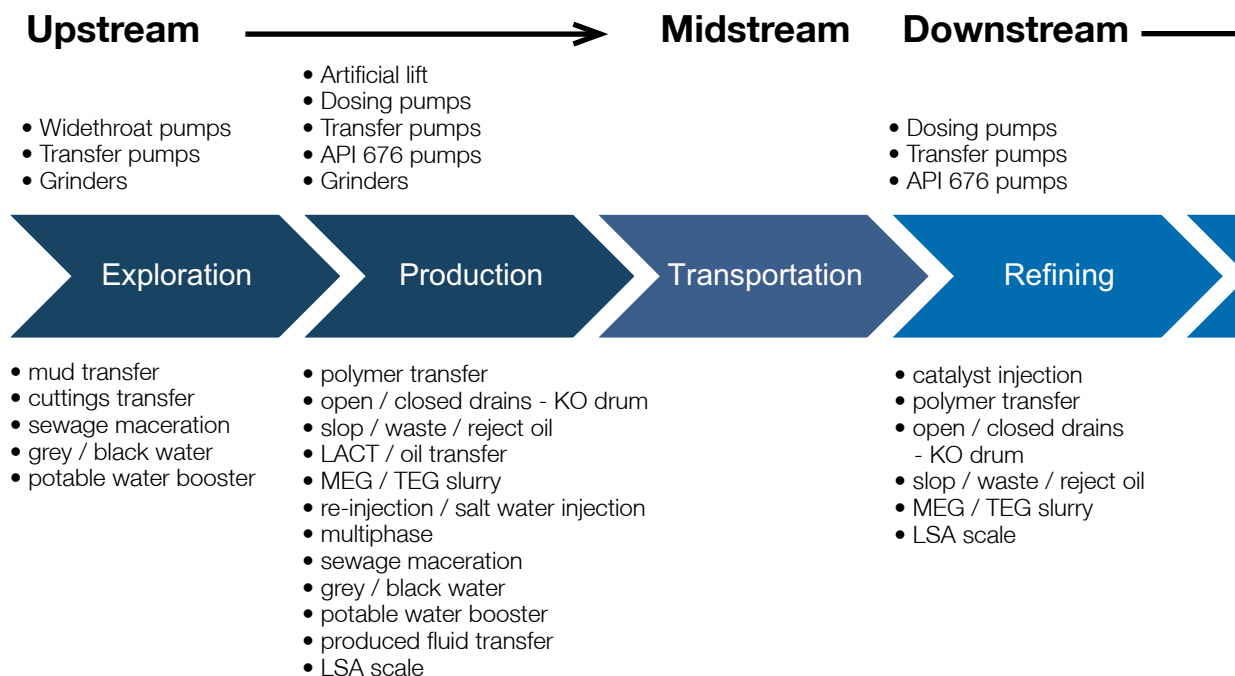
## Oil & Gas Solutions

The NOV Mono, Oil & Gas Solutions office in Southampton is ideally placed to advise on any transfer pump application details for process and separation duties.

Providing dedicated industry expertise and support for customers in many different areas of the oil and gas sector, the NOV Mono team has vast experience in delivering technical support and problem-solving solutions.



## Oil & Gas Value Chain



### Products

<b>API 676 Pumps</b>
<b>Transfer Pumps</b>
<b>Widethroat Pumps</b>
<b>Dosing Pumps</b>
<b>Grinders</b>
<b>Artificial Lift</b>

A variety of pump designs are available, including the new self-priming API 676 pump.

Featuring Mono's EZstrip™ technology, the pumps can be manufactured from different materials - ranging from cast iron and duplex steels through to traceable and NACE-certified stainless steels.

**Capacity** up to 400m<sup>3</sup>/h  
60382 bbl (US)/d

**Pressure** up to 250 bar  
3626 psi

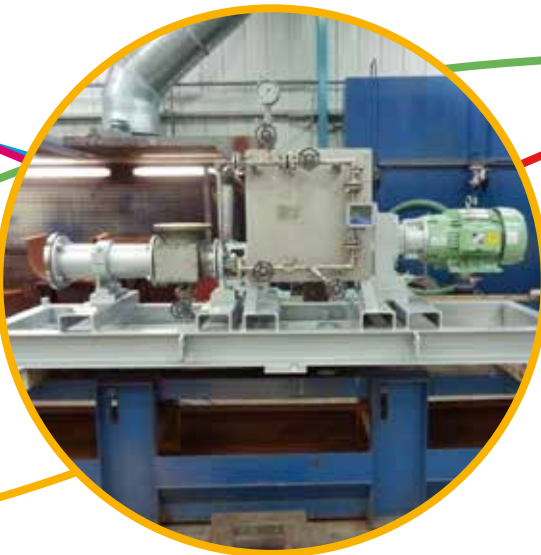
**Temperature** -10°C up to 100°C  
14°F up to 212°F

### Aftermarket

NOV Mono has a dedicated aftermarket team to help you select the correct parts when carrying out routine maintenance. We also manufacture a range of high quality Mono Universal Parts suitable for other brands of progressing cavity (PC) pumps.

Comprehensive stocks are held at Mono's head office and at our UK and international distributor locations. This allows us to offer a fast turnaround to help reduce equipment downtime.

You can also check stock levels and lead times for Mono Parts and Mono Universal Parts by registering at [www.mono-orders.com](http://www.mono-orders.com).



Closed Drain - Knock Out Drum liquor hydrocyclone feed pumps



High Pressure hydro-cyclone feed for mud cleansing



Barge emptying pump for oil based drilling mud and cuttings containing 'tramp' solids

**Open Drain**

Region	UK
Product	Epsilon Vertical
Model	SP082AX1V8/E6JV
Flow	27m <sup>3</sup> /h or 4076 bbl (US)/d
Pressure	5.6 bar or 81 psi

**Closed Drain**

Region	UK
Product	E Range
Model	FE062SS1R5/E7CX
Flow	18m <sup>3</sup> /h or 2717 bbl (US)/d
Pressure	11 bar or 160 psi

**Recovered Oil**

Region	Russia
Product	E Range
Model	SE0X2MS1V5/E6TW
Flow	1.4 m <sup>3</sup> /h or 211 bbl (US)/d
Pressure	3.25 bar or 47 psi

**Separator Feed**

Region	Nigeria
Product	Epsilon
Model	E1BBS81RMH/H70V
Flow	65m <sup>3</sup> /h or 24907 bbl (US)/d
Pressure	10 bar or 145 psi

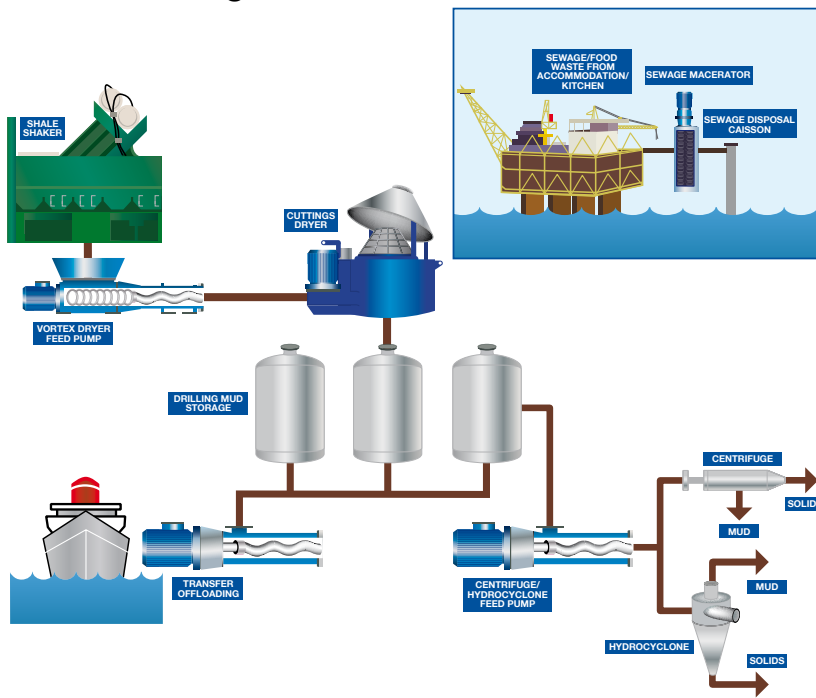
**Produced Water**

Region	Europe
Product	Compact
Model	C1BAC81VMB/E138
Flow	70 m <sup>3</sup> /h or 10567 bbl (US)/d
Pressure	5 bar or 73 psi

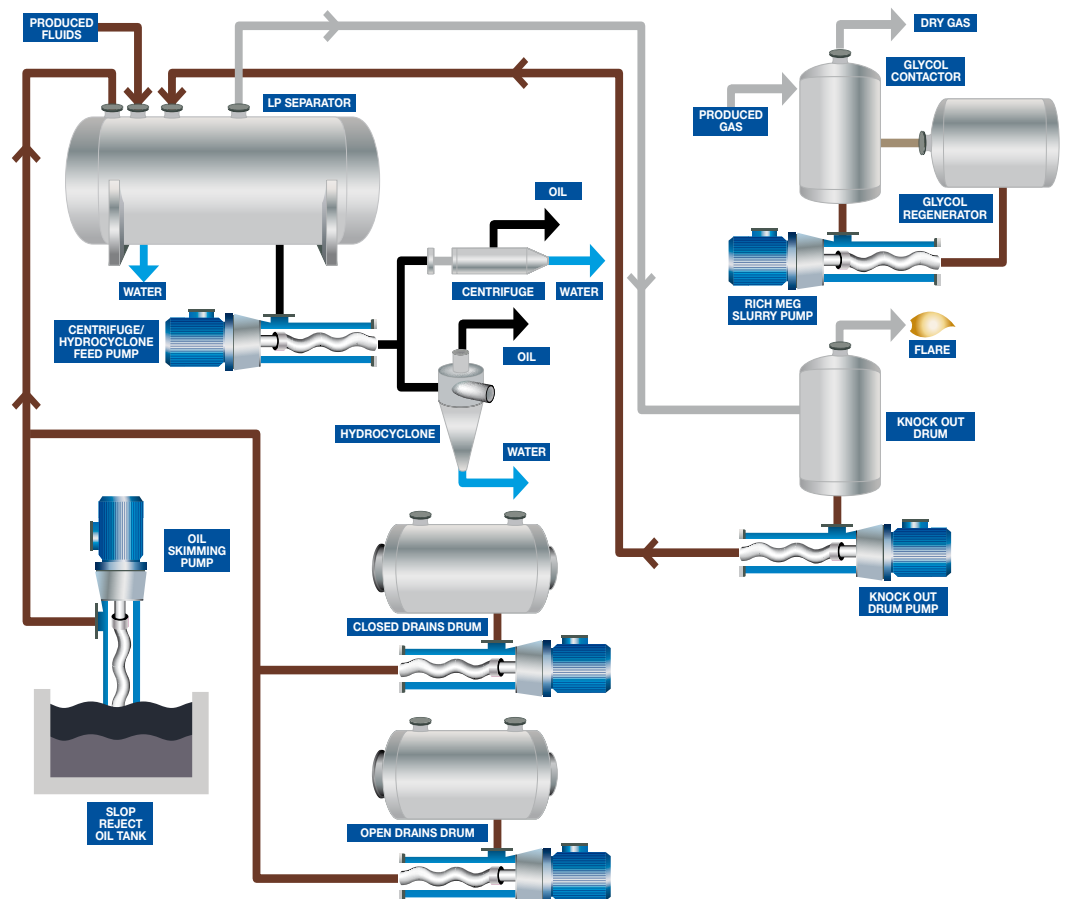
**Rich MEG Slurry**

Region	Qatar
Product	Epsilon
Model	E1ABF53RMH/E7WU
Flow	Variable
Pressure	6 bar or 87 psi

## Mud Handling



## Oil & Gas Process





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