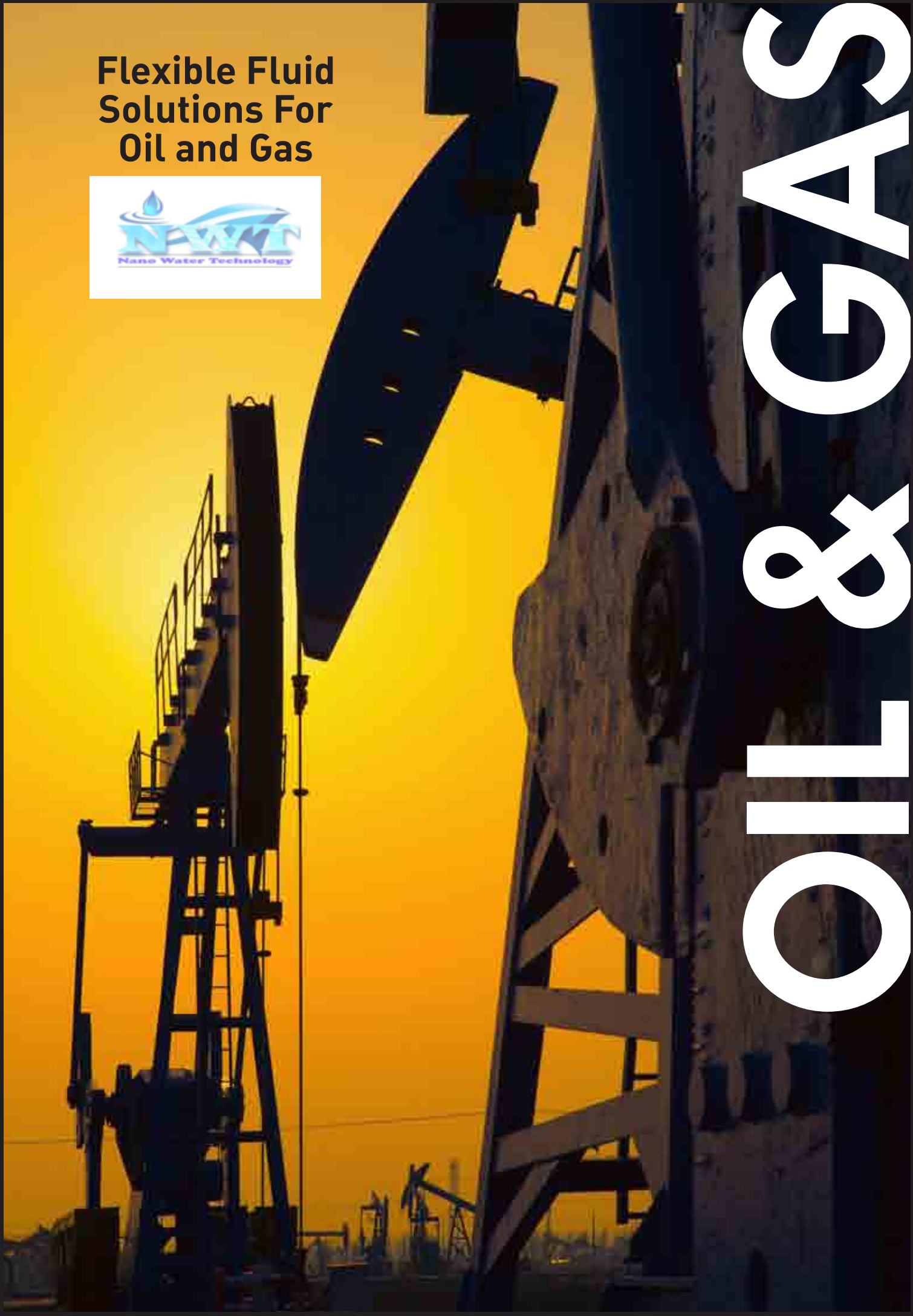


**Flexible Fluid
Solutions For
Oil and Gas**



OIL & GAS



SHALE GAS / OIL



OROFLEX 200 has quickly gained worldwide acceptance as a reliable high quality product for long deployment water transfer.

Developed by a team with over 40 years' experience, this layflat flexible pipeline hose has many advantages for the extraction and delivery of clean and produced water for fracking operations.

OROFLEX 200 is an extruded, circular woven rubber hose with a very low elongation – best in class – and an excellent abrasion resistance.

Client benefits are many, from lower operating and installation costs to very easy handling and folding properties. This UV and Ozone resistant lightweight hose is specially indicated for long distance Heavy Duty applications.

The **OROFLEX 200** flexible hose is available in large diameters (6", 8", 10", 12") and is Oil & Chemical resistant and High Temperature resistant (+80°C).

OROFLEX 200

APPLICATIONS

- Specially designed and manufactured for long lines
- Water transfer
- Contaminated water
- Produced water from fracking operations
- Supply line for non-drinking water needs
- Flood response
- Manure transfer – Main feeding line

DIAMETER	Inch	6	6*	8	10	12	12*
	mm	151	151	204	254	305	305
Working pressure	bar.	17	21	14	12	10	12
Burst pressure	bar.	42	50	35	35	26	35
End pull	kg	6.200	6.800	7.000	14.600	17.600	18.500
Weight	g/m	2.450	2.450	3.500	3.750	5.500	4.750
Thickness	mm	4,1	4,1	4,3	4,3	5	4,3

* HD available



Bunkering



Military refueling



Extreme cold



Emergency

HYDROCARBON TRANSFER



OROFLEX 30 OIL

APPLICATIONS

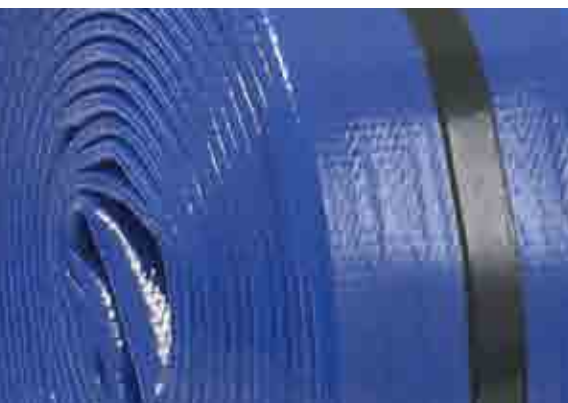
OROFLEX 30 OIL is a lightweight antistatic layflat polyurethane hose specially indicated for fuel and chemical delivery operations.

The construction of the **OROFLEX 30 OIL** does not permit corrosion and scaling, gives high resistance against abrasion and cutting, easy handling, storage and transport and very fast installation and retrieval.

OROFLEX 30 OIL doesn't need maintenance and has much less friction loss than stainless steel, resulting in a very fast return of investment.

- Oil & Petrochemical
- Marine fuel bunkering
- Helicopter and Aircraft refueling
- Overland fuel pipelines
- Ship-to-Shore discharge
- Mobile tank farms
- Drinking water supply
- Ship to shore unloading
- Pipeline bypass
- Tank cleaning
- Tank to tank transfer
- Military

DIAMETER	Inch	2	2 1/2	3	3 1/2	4	6
	mm	52	65	76	90	102	154
Working pressure (4:1)	bar.	10,5	10,5	10,5	10,5	10,5	10,5
Burst pressure	bar.	42	42	42	42	42	42
Weight	g/m	390	510	640	850	980	1.850
Thickness	mm	2,2	2,2	2,35	2,4	2,7	3,5



OROFLEX 30 OIL HD

APPLICATIONS

OROFLEX 30 OIL HD is a lightweight antistatic layflat polyurethane hose specially indicated for heavy duty industrial and marine operations.

The construction of the **OROFLEX 30 OIL HD** is specially designed to withstand high working pressures and high end-tensile loadings.

- Fuel and Oils transfer
- Brackish and Sea-Water
- Drinking water transfer
- Drilling muds
- High pressure pipeline bypass
- Ship to ship unloading
- Tank cleaning
- Ship to shore fuel supply
- Tank to tank transfer

DIAMETER	Inch	1 1/4	1 1/2	2	2 1/2	3	4	5	6
	mm	32	38	51	65	76	102	127	152
Working pressure (4:1)	bar.	20	16	14	14	14	14	14	14
Burst pressure	bar.	90	65	57	57	57	57	57	57
End pull	kg	700	700	1.600	2.200	2.800	4.800	6.000	8.000
Weight	g/m	270	350	570	800	980	1.400	2.000	2.610
Thickness	mm	2,2	2,5	2,8	2,8	3,3	3,8	4,3	4,5

HYDROCARBON TRANSFER



OROFLEX 40 OIL is a high pressure antistatic fuel delivery hose, specifically designed for long distance delivery of fuel, and other fuel-related applications where high working pressure is required.

Available in 4" and 6", the **OROFLEX 40 OIL** features a circular woven jacket made of high tenacity polyester jacket, with an extruded "through the weave" polyurethane cover and lining. This construction is designed for continuous maintenance-free operation in the most demanding environments.

OROFLEX 40 OIL

APPLICATIONS

- Long distance high pressure fuel delivery (military and industry)
- Refueling, bunkering and tank cleaning (marine)
- Pipeline bypass operations (Petrochemical)

DIAMETER	Inch	4	6
	mm	102	152
Working pressure (4:1)	bar.	20	20
Burst pressure	bar.	80	80
Weight	g/m	1.800	3.000
Thickness	mm	4,5	5



OROFLEX 20 OIL is a lightweight antistatic layflat rubber hose specially indicated for fuel transfer and tank washing operations.

The **OROFLEX 20 OIL** provides high pressure capabilities together with superior resistance to sea-water, oil, hydrocarbon fuels, water, acids and ozone.

OROFLEX 20 OIL

APPLICATIONS

- Hydrocarbon fluid transfer with a maximum aromatic content of 40%
- Tank washing

DIAMETER	Inch	1 1/2	2	2 1/2	3	4
	mm	38	52	65	76	102
Working pressure (4:1)	bar.	18,75	12,5	12,5	12,5	10,5
Burst pressure	bar.	75	50	50	50	42
End pull	kg	1.200	1.500	2.050	2.500	3.780
Weight	g/m	440	650	750	950	1.300
Thickness	mm	2,5	2,8	3	3,2	3,4



OROFLEX™[®]

FAST DEPLOYMENT AND RETRIEVAL



- 2 km of Oroflex 200 deployed in 30' or less.
- Up to 200 meter lengths.
- Fewer connections than rigid pipes.



- Can follow the contours of the terrain.
- Can be deployed rounding obstacles.



EASE OF TRANSPORTATION AND HANDLING



- 1 km of 8" Oroflex 200 weights 3450 kg.
- 200 m of the 8" Oroflex 200 packs in to 1,6 m³



OROFLEX™[®]

CONVERSION TABLE

LENGTH	
1 Inch	24.4 Milimetre
1 Foot	30,48 Centimetre
1 Yard	0.9144 Metre
VOLUME	
1 Gallon (GB)	4,546 Litre
1 Gallon (USA)	3,78 Litre
1 Gallon (USA)	0.8315 Gallons (GB)
WEIGHT	
1 Ounce	28.3495 Gram
1 Pound	0.4539 Kilogram
PRESSURE	
1 PSI	0.06895 Bars
1 PSI	0.06806 Atm
1 Atm	1.01329 Bars



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