



MAZE INDUSTRIAL
Process Equipment Solutions

The Flexible Rising Main System



Oroflex Well

Oroflex





OROFLEX WELL is an innovative flexible rising main system designed for use in ground water extraction.

Developed by a team with over 40 years' experience of producing extruded, circular woven polyurethane hoses.

Tens of thousands of wells have been successfully installed worldwide using OROFLEX WELL hoses.

Oroflex Well has quickly gained worldwide acceptance as a reliable high quality product and is approved for use with drinking water by NSF of America and KTW/DVGW W270 of Germany.

The proven design and performance of **Oroflex Well** ensures a trouble free and cost effective well installation for the pump installer.

Client benefits are many, from lower operating and installation costs to zero water contamination.

In addition to these attributes, fast pump servicing (Minimal headroom required) and a total resistance to corrosion, scaling and attacks by microorganisms mean that **Oroflex Well** is the perfect partner for the well installer.

- Dewatering
- Agriculture
- Industry water supply
- Well point
- Appraisal of water wells
- Water monitoring
- Draining
- Mineral extraction
- Desalinations plants
- Marine and offshore industry
- Leachate extraction on landfill sites



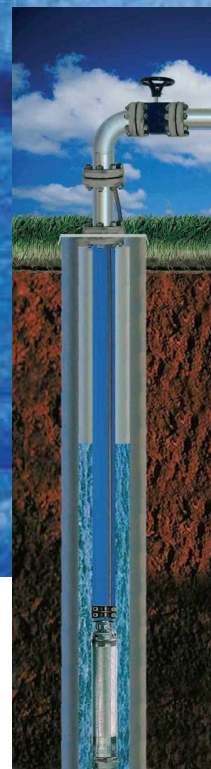
Oroflex[®] Well

A complete system for groundwater extraction

The OROFLEX WELL system offers a broad range of accessories designed to deliver water safely and efficiently to the surface.



Oroflex[®] Well



DIAMETER	Inch	1 ¼	1 ½	2	2 ½	3	4	5	6	8
	mm	32	40	52	65	76	102	127	152	203
Maximum Working Pressure	psi	505	435	375	375	375	375	375	375	230
	bar	35	30	26	26	26	26	26	26	16
Burst Pressure	psi	1,160	1,015	900	840	840	840	840	840	600
	bar	80	70	62	58	58	58	58	58	42
Tensile Strength	lb	6,600	7,700	12,150	13,250	17,650	26,450	39,700	63,950	77,200
	kg	3,000	3,500	5,500	6,000	8,000	12,000	18,000	29,000	35,000
Hose Nominal Weight (without coupling)	lb/ft	0.19	0.24	0.40	0.58	0.68	0.93	1.30	1.77	2.22
	kg/m	0.29	0.35	0.59	0.87	1.02	1.38	1.94	2.63	3.30
Maximum Recommend Load (a)	lb	1,540	1,540	3,530	4,850	6,170	10,580	13,230	17,640	24,030
	kg	700	700	1,600	2,200	2,800	4,800	6,000	8,000	10,900
Maximum Depth	ft	990*	850*	850*	850*	850*	850*	850*	850*	500
	m	300*	260*	260*	260*	260*	260*	260*	260*	150
Maximum Elongation	%	2	2	2	2	2	2	2	2	2
Average Expansion	%	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15
Service Temperature	-40°F to 122°F 40°C to 50°C									
Recommended Operating PH Range	4 to 9 below 86°F (30°C) and 5 to 9 from 86°F to 122°F (from 30°C to 50°C).									
Maximum Lengths	ft	3,280	1,640	1,640	1,640	1,640	1,640	980	980	980
	m	1,000	500	500	500	500	500	300	300	300
Maximum Recommended Flow	gpm (US)	50	70	130	210	320	530	790	1,190	2,110
	lpm	200	270	500	800	1,200	2,000	3,000	4,500	8,000

a) Including hose weight, cable, couplings, other accessories, pressure at the top of the well, and weight of the water .

* Installations above 660ft (200m) should be consulted before installing.





Oroflex[®] Well

The characteristics of the **OROFLEX WELL SYSTEM** make it a brilliant investment in reliable and long-term cost-efficient water extraction:

- **ENERGY EFFICIENT** Will transport more water than rigid piping of the same diameter.
- **EASE OF HANDLING** Easy to deploy and retrieve. Storage on a reel, taking little space.
- **REDUCED INSTALLATION COSTS** Is installed quicker and with use of less manpower than other solutions.

- **LONG SERVICE LIFE**

Can be installed many times without significant wear.

- **TOTAL CORROSION FREE**

Does not corrode and does not suffer from scaling or attacks from microorganisms.

- **MAXIMISES WATER FLOW IN NARROW WELLS**

- **FULLY APPROVED FOR POTABLE WATER**

It is certified to NSF-61 (US) and KTW/DVGW W270 (Germany).



NSF - 61

Only products bearing the NSF mark are certified



- **IDEAL FOR CROOKED WELLS** Where rigid piping cannot be installed.

- **EXCELLENT PERFORMANCE WITH AGGRESSIVE WATER**

Usable with water with a pH between 4 and 9.

- **ENVIRONMENTALLY FRIENDLY**

The flexible riser absorbs noises and vibrations

- **LONG LENGTHS AVAILABLE** Can be installed in wells with a depth of up to 260m. Does not require safety cables.

- **5-YEAR WARRANTY.**



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CONVERSION TABLE

LENGTH

1 inch	25.4 millimeter
1 foot	30.48 centimeter
1 yard	0.9144 meter

VOLUME

1 gallon (GB)	4.546 liter
1 gallon (USA)	3.78 liter
1 gallon (USA)	0.8315 gallon (GB)

WEIGHT

1 ounce	28.3495 gram
1 pound	0.4539 kilogram

PRESSURE

1 psi	0.06895 bar
1 psi	0.06806 atm
1 atm	1.01329 bar



SPAIN & PORTUGAL - TIPSa
Av. de Barcelona, 20
08970 Sant Joan Despi
Barcelona, Spain
Phone: +34 93 602 1818
tipsaex@tipsa.com
www.tipsa.com

EMEA REGION (except Spain & Portugal)
KURIYAMA EUROPE COÖPERATIEF
Buitenveldertselaan 106
1081 AB Amsterdam,
The Netherlands
Phone: +31 (0)20 723 0505
sales@kuriyama.eu
www.kuriyama.eu

LATIN AMERICA - ARGENTINA - INQUISA
Condarco 215 PB
Quilmes, B1878FDE Buenos Aires,
ARGENTINA
Phone: + 54 11 4224-1659 / 4224-9019
info@inquisa.com.ar
www.inquisa.com.ar

NORTH AMERICA - USA - KURIYAMA OF AMERICA
360 E. State Parkway
Schaumburg, IL 60173-5335, USA
Phone: +1 (847) 755-0360
Toll-Free FAX: (800) 800-0320
sales@kuriyama.com
www.kuriyama.com

CENTRAL AMERICA - KURIYAMA DE MÉXICO
Apodaca (Monterrey), N.L.
C.P. 66600, México
Phone: +81 1086-1870 x 71
Toll-Free: (800) 250-5132
ventas@kuriyama.com
www.kuriyama.com/lang-es/kom.php

AUSTRALIA - MAZE INDUSTRIAL
Esquire Business Park
Unit 8 / 253 Gnangara Road, Wangara WA 6065
Phone: + 61 8 6162 9755
www.mazeindustrial.com
sales@mazeindustrial.com

