# iGLOO

#### System iGLOO. Total versatility

KELL WATER (Arsenic/Fluor/Iron/Manganese)     EBO CELL     +     ELC       MODULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     PERFORMANCE (A/F/P/Mn       BIO     DW-BD3     500     3     7     -     UPFAF     Infet: -357/800/200 up       FIL     DW-F3     500     3     7     -     UPFAF     Infet: -357/800/200 up       FIL     DW-F3     500     3     7     -     UPFAF     Infet: -357/800/200 up       FIL     DW-F3     500     3     7     -     UPFAF     Outlet: s10/200/50 up       MODULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     PERFORMANCE (NO3)       BIO     DN-BN3     125     3     7     ACETIC     UPFAF     Outlet: s10/200/50 up       BIO     DN-BN3     125     3     7     ACETIC     UPFAF     Outlet: s10/200/50 up       URFACE (m/1)     DN-F3     500     3     7     CENNOLOGIE     VERAF		JLES						
NODULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m*)     CHEMICALS     TECHNOLOGIE     PERFORMANCE (As/Fe/Mn       BIO     DW+B03     500     3     7     -     UFBAF       BIO     DW+B03     500     3     7     -     UFBAF       FIL     DW+F3     500     3     7     -     UFBAF       DW+F3     500     3     7     -     UFBAF       DW+F3     500     3     7     -     UFBAF       DW+F12     2000     12     30     -     UFBAF       ELL WATER (Nitrates)     SURFACE (m*)     CHEMICALS     TECHNOLOGIE     PERFORMANCE (NO3)       BIO     DN+F3     500     12     30     ACETIC     UFBAF       DN+F3     500     3     7     -     UFBAF     UFBAF       DN+F3     500     3     7     -     UFBAF     UFBAF       DN+F12     2000     12     30     -     UFBAF     UFBAF	ELL WA	TER (Arsenic/F	luor/Iron/N	langanese)			BIO C	ELL + FIL CELL
Image: Pile     DW-F3     500     3     7     -     UFBAF       DW-F12     2000     12     30     -     UFBAF     Outlet:::10/200/50.ug       ELL WATER (Nitrates)     DDULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     PERFORMANCE (N03)       BIO     DN-BN3     125     3     7     ACETIC     UFBAF       DN-BN6     250     6     15     ACETIC     UFBAF       DN-BN12     500     12     30     ACETIC     UFBAF       DN-BN12     500     12     30     ACETIC     UFBAF       DN-F3     500     3     7     -     UFBAF       DN-F12     2000     12     30     -     UFBAF       RFACE WATER (River, dam)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     WATER QUALITY       SED     DS-53     500     3     7     Cosgulant     LAMELLAR     WHO       DS-535     1000     6     15     -	ODULE BIO	REFERENCE DW-BD3 DW-BD6 DW-BD12	Q (m3/d) 500 1000 2000	LENGTH (m) 3 6 12	SURFACE (m <sup>2</sup> ) 7 15 30	CHEMICALS - - -	TECHNOLOGIE UFBAF UFBAF UFBAF	PERFORMANCE (As/Fe/Mn)
SLL WATER (Nitrates)     DDULE   REFERENCE   Q (m3/d)   LENGTH (m)   SUFFACE (m <sup>2</sup> )   CHEMICALS   TECHNOLOGIE   PERFORMANCE (NO3)     BIO   DN-BN3   125   3   7   ACETIC   UFBAF   Intel: ::90 mg/l     DN-BNA   500   12   30   ACETIC   UFBAF   UFBAF   Intel: ::90 mg/l     FIL   DN-F6   1000   6   15   -   UFBAF   UFBAF     FIL   DN-F6   1000   6   15   -   UFBAF   UFBAF     RFACE WATER (River, dam)   SED CELL   +   BIO CELL   +   CHEMICALS   TECHNOLOGIE   WATER QUALITY     SED CELL   +   BIO CELL   +   CHEMICALS   TECHNOLOGIE   WATER QUALITY     SED CELL   +   BIO CELL   +   CHEMICALS   TECHNOLOGIE   WATER QUALITY     SED CELL   PS SED CEL	FIL	DW-F3 DW-F6 DW-F12	500 1000 2000	3 6 12	7 15 30	- - -	UFBAF UFBAF UFBAF	Outlet: ≤10/200/50 ug/l
ODULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     PERFORMANCE (NO3)       BIO     DN-8N3     125     3     7     ACETIC     UFBAF       DN-8N6     250     6     15     ACETIC     UFBAF     UFBAF       DN-8N12     500     3     7     -     UFBAF     UFBAF       DN-8172     2000     12     30     ACETIC     UFBAF     Outlet: ≤50 mg/l       FIL     DN-F13     500     3     7     -     UFBAF       DN-F12     2000     12     30     -     UFBAF       DN-F12     2000     12     30     -     UFBAF       ODULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     WATER QUALITY       SED     D5-53     500     3     7     Coagulant     LAMELLAR     WHO       D5-512     2000     12     30     Coagulant     LAMELLAR     WHO       D5-512<	ELLWA	TER (Nitrates)						
BIO     DN-BN3     125     3     7     ACETIC     UFBAF       DN-BN6     250     6     15     ACETIC     UFBAF       DN-BN12     500     12     30     ACETIC     UFBAF       DN-B15     500     3     7     -     UFBAF       DN-F6     1000     6     15     -     UFBAF       DN-F12     2000     12     30     -     UFBAF       DN-F12     2000     12     30     -     UFBAF       ODULE     REFACE WATER (River, dam)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     WATER QUALITY       SED     D5-53     500     3     7     -     Coagulant     LAMELLAR     WHO       SED     D5-512     2000     12     30     Coagulant     LAMELLAR     WHO       DS-B56     1000     6     15     -     UFBAF     WHO       D5-512     2000     12     30     -     UFBAF     WHO       D5-B56	ODULE	REFERENCE	Q (m3/d)	LENGTH (m)	SURFACE (m <sup>2</sup> )	CHEMICALS	TECHNOLOGIE	PERFORMANCE (NO3)
BIO     DN-BN6     250     6     15     ACETIC     UFBAF       DN-BN12     500     12     30     ACETIC     UFBAF     Inlet: ≤90 mg/l       FIL     DN-F3     500     3     7     -     UFBAF     Inlet: ≤90 mg/l       DN-F12     2000     12     30     -     UFBAF     UFBAF       DN-F12     2000     12     30     -     UFBAF     UFBAF       DN-F12     2000     12     30     -     UFBAF     #ECEL     +     FLCI       ODULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     WATER QUALITY       SED     DS-53     500     3     7     Coagulant     LAMELLAR     WHO       DS-512     2000     12     30     Coagulant     LAMELLAR     WHO       DS-5851     500     3     7     -     UFBAF     WHO       DS-5852     2000     12     30     -     UFBAF     WHO		DN-BN3	125	3	7	ACETIC	UFBAF	
FIL     DN-F3     500     3     7     -     UFBAF       DN-F6     1000     6     15     -     UFBAF       DN-F12     2000     12     30     -     UFBAF       RFACE WATER (River, dam)     SED CELL     +     BIO CELL     +     FIL CE       ODULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     WATER QUALITY       SED     DS-53     500     3     7     Coagulant     LAMELLAR     WHO       DS-512     2000     12     30     Coagulant     LAMELLAR     WHO       BIO     DS-853     500     3     7     -     UFBAF     WHO       DS-856     1000     6     15     -     UFBAF     WHO       DS-856     1000     6     15     -     UFBAF     WHO       DS-856     1000     6     15     -     UFBAF     WHO       DS-F12     2000     12     30     - <td>BIO</td> <td>DN-BN6 DN-BN12</td> <td>250 500</td> <td>6 12</td> <td>15 30</td> <td>ACETIC ACETIC</td> <td>UFBAF UFBAF</td> <td>Inlet: ≤90 mg/l</td>	BIO	DN-BN6 DN-BN12	250 500	6 12	15 30	ACETIC ACETIC	UFBAF UFBAF	Inlet: ≤90 mg/l
FIL     DN-F6     1000     6     15     -     UFBAF       DN-F12     2000     12     30     -     UFBAF       RFACE WATER (River, dam)       SED CELL     +     BIO CELL     +     FIL CE       ODULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     WATER QUALITY       DD     DS-53     500     3     7     Coagulant     LAMELLAR     WHO       DS-512     2000     12     30     Coagulant     LAMELLAR     WHO       DS-556     1000     6     15     -     UFBAF     WHO       BIO     DS-F3     500     3     7     -     UFBAF     WHO       DS-F3     500     3     7     -     UFBAF     WHO     D       DS-F12     2000     12     30     -     UFBAF     WHO     D		DN-F3	500	3	7	-	UFBAF	Outlet: ≤50 mg/l
Drift     200     12     30     Other       RFACE WATER (River, dam)       SED CELL + BIO CELL + FILCE       ODULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     WATER QUALITY       SED     D5-53     500     3     7     Coagulant     LAMELLAR     WHO       D5-512     2000     12     30     Coagulant     LAMELLAR     WHO       BIO     D5-853     500     3     7     -     UFBAF     WHO       D5-854     1000     6     15     -     UFBAF     WHO       D5-8512     2000     12     30     -     UFBAF     WHO       D5-8512     2000     12     30     -     UFBAF     WHO       D5-712     2000     12     30     -     UFBAF     WHO       D5-712     2000     12     30     -     UFBAF     WHO       LL UNONE (plug and play)     Ebio CELL     +     FIL CE </td <td>FIL</td> <td>DN-F6</td> <td>1000</td> <td>6</td> <td>15</td> <td>-</td> <td>UFBAF</td> <td></td>	FIL	DN-F6	1000	6	15	-	UFBAF	
DS-512     2000     12     13     Coogulant     LAMELLAR       BIO     DS-853     500     3     7     -     UFBAF       BIO     DS-856     1000     6     15     -     UFBAF       DS-8512     2000     12     30     -     UFBAF     WHO       FIL     DS-F3     500     3     7     -     UFBAF     WHO       LL IN ONE (plug and play)     6     15     -     UFBAF     WHO       LL WATER (Arsenic/Fluor/Iron/Manganese)     BIO CELL     +     FIL CELL     +     FIL CELL       DULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     PERFORMANCE (As/Fe/Ma       DULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     PERFORMANCE (As/Fe/Ma       DM-CD3     200     3     7     -     UFBAF     Entrada: <35/800/200 U	ODULE	REFERENCE DS-S3 DS-S6	Q (m3/d) 500	LENGTH (m)	SURFACE (m²) 7	CHEMICALS Coagulant	TECHNOLOGIE LAMELLAR	WATER QUALITY
BIO     DS-BS3     500     3     7     -     UFBAF       DS-BS6     1000     6     15     -     UFBAF     WHO       FIL     DS-F3     500     3     7     -     UFBAF     WHO       FIL     DS-F3     500     3     7     -     UFBAF     WHO       DS-F6     1000     6     15     -     UFBAF     WHO       DS-F12     2000     12     30     -     UFBAF     WHO       LL IN ONE (plug and play)     12     30     -     UFBAF     WHO       LL WATER (Arsenic/Fluor/Iron/Manganese)     BIO CELL     +     FIL CE       DOULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     PERFORMANCE (As/Fe/Manganes/Fe/		DS-512	2000	12	30	Coagulant	LAMELLAR	WIIO
DS-B30     1000     0     13     -     UFBAF       DS-B512     2000     12     30     -     UFBAF       FIL     DS-F3     500     3     7     -     UFBAF       DS-F6     1000     6     15     -     UFBAF     WHO       LL IN ONE (plug and play)     12     30     -     UFBAF     WHO       LL WATER (Arsenic/Fluor/Iron/Manganese)     BIO CELL     +     FLC CELL     +     FLC CELL       DULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     PERFORMANCE (As/Fe/Mn       DM-CD3     200     3     7     -     UFBAF     Entrada: <35/800/200 U	BIO	DS-BS3	500	3	7	-	UFBAF	WHO
DS-F3     500     3     7     -     UFBAF       DS-F6     1000     6     15     -     UFBAF     WHO       LL IN ONE (plug and play)     2000     12     30     -     UFBAF     WHO       LL IN ONE (plug and play)     Bio cell     +     Fil cite       CUULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     PERFORMANCE (As/Fe/Mn       DUILE     DM-CD3     200     3     7     -     UFBAF       DUILE     DM-CD3     200     3     7     -     UFBAF     Entrada: <35/800/200 u	5.0	DS-BS12	2000	12	30	-	UFBAF	WIIO
FIL   DS-F0   1000   6   15   -   OTBAP   WHO     DS-F12   2000   12   30   -   UFBAF   WHO     LL IN ONE (plug and play)   Bio cell   +   Fil cit     CLL WATER (Arsenic/Fluor/Iron/Manganese)   Bio cell   +   Fil cit     DOULE   REFERENCE   Q (m3/d)   LENGTH (m)   SURFACE (m²)   CHEMICALS   TECHNOLOGIE   PERFORMANCE (As/Fe/Mn     OULIN   DM-CD3   200   3   7   -   UFBAF   Entrada: <35/800/200 u		DS-F3	500	3	7	-	UFBAF	
LL IN ONE (plug and play)     SLL WATER (Arsenic/Fluor/Iron/Manganese)     BIO CELL + FIL CL     DDULE REFERENCE Q (m3/d) LENGTH (m)     SURFACE (m²)   CHEMICALS     DM-CD3   200   3     OLFIL   DM-CD3   200     DM-CD3   200   3	FIL	DS-F6 DS-F12	2000	12	30	-	UFBAF	WHO
DDULE     REFERENCE     Q (m3/d)     LENGTH (m)     SURFACE (m²)     CHEMICALS     TECHNOLOGIE     PERFORMANCE (As/Fe/Mn       DM-CD3     200     3     7     -     UFBAF     Entrada: <35/800/200 u       DM-CD5     400     6     15     UFBAF     Entrada: <35/800/200 u			ig and p	olay)			BIO CI	ELL + FIL CELL
DM-CD3 200 3 7 - UFBAF Entrada:≤35/800/200 u	LL IN	TER (Arsenic/F	luor/Iron/N	langanese)				
UH-CU6 400 6 15 - UFBAF Salidar <10/200/50 un	LL IN ILL WAT	TER (Arsenic/F	Q (m3/d)	Aanganese) LENGTH (m)	SURFACE (m <sup>2</sup> )	CHEMICALS	TECHNOLOGIE	PERFORMANCE (As/Fe/Mn)
DM-CD12 800 12 30 - UFBAF	LL IN LL WA <sup>-</sup> DDULE 0+FIL	IONE (plu TER (Arsenic/F REFERENCE DM-CD3 DM-CD6	Q (m3/d) 200 400	Aanganese) LENGTH (m) 3 6	SURFACE (m²) 7 15	CHEMICALS -	TECHNOLOGIE UFBAF UFBAF	PERFORMANCE (As/Fe/Mn) Entrada: ≤35/800/200 ug/l Salida: ≤10/200/50 ug/l
DM-CD12     400     6     15     -     UFBAF     Salida: ≤10/200/50 ug       WELL WATER (Nitrates)     BIO CELL     +     FIL CE     FIL CE	YELL WAT	TER (Arsenic/F	luor/Iron/N	/langanese)				
E REFERENCE Q (m3/d) LENGTH (m) SURFACE (m <sup>2</sup> ) CHEMICALS TECHNOLOGIE PERFORMANCE (NO3)	VA VA	TER (Arsenic/F REFERENCE DM-CD3 DM-CD6 DM-CD12 TER (Nitrates)	Q (m3/d) 200 400 800	Aanganese) LENGTH (m) 3 6 12	SURFACE (m²) 7 15 30	CHEMICALS - - -	TECHNOLOGIE UFBAF UFBAF UFBAF BIO C	PERFORMANCE (As/Fe/Mn)       Entrada: ≤35/800/200 ug/l       Salida: ≤10/200/50 ug/l       ELL     +
	LIN -LWA DULE >+FIL _LWA DULE	TER (Arsenic/F REFERENCE DM-CD3 DM-CD6 DM-CD12 TER (Nitrates) REFERENCE	Q (m3/d) 200 400 800	Aanganese) LENGTH (m) 3 6 12 LENGTH (m)	SURFACE (m <sup>2</sup> ) 7 15 30 SURFACE (m <sup>2</sup> )	CHEMICALS - - - CHEMICALS	TECHNOLOGIE UFBAF UFBAF UFBAF BIO C TECHNOLOGIE	PERFORMANCE (As/Fe/Mn) Entrada: ≤35/800/200 ug/l Salida: ≤10/200/50 ug/l ELL + FIL CELL PERFORMANCE (NO3)

The company offers modular solutions, fixed and / or transportable for the production of drinking water, using globally recognized technology UFBAF (Ecological Filtration process), whose main advantage the low water supply production costs and compliance at all times with the Quality Standards for Drinking Water of the World Health Organization (WHO).

With plants in operation at national and international level, the solution has been recognized as one of the 50 most innovative technological solutions worldwide for the entity "Artemis Project" in the U.S.

The water supply at low cost is one of the most important challenges of this current. Only the right technology in the right hands can lead the change to a more sustainable world.







### Modular solutions for water supply

**WELL WATER** 

NITRATES

**SURFACE WATER** 

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### Solutions

## System iGLOO

#### WELL WATER Arsenic / Fluor / Iron / Manganese

• High Performance - above 90% metals removal • Low cost production - Compared with the use of iron oxides, economic savings can be greater than 90%

#### WELL WATER Nitrates

• The washing water can be discharged into collector (concentrated water from reverse osmosis membranes can not be discharged without treatment)

• High water production rate (over 98%) compared with reverse osmosis membranes that reject 35% of the incoming water

#### **SURFACE WATER**

- Super Lamella Process Higher performance and minimum space required
- . Pre-oxidation process not required, saving in chemicals and limiting THM precursors
- Bioavailable NOM removed by Ecological Filtration Process (UFBAF)
- . Down-Flow Filtration in combination with Disinfection
- . Lower Production Cost

#### i.e.:







### **SED CELL**

SuperLamela Process, primary sedimentation system of higher performance

#### SuperLamela

Lamellar sedimentation unit of high performance

#### DIY

Detailed instructions for fast and easy assembly

#### WRC

Remote control by telemetry

#### **Financial services\***

Pay the produced water, we provide the plant (BOT projects)

### "PLUG AND PLAY" water supply solution mounted in sea containers



Modular and efficient solution that meets the Water Quality Standards of World Health Organization