



PUMPS

FOR INDUSTRIAL APPLICATIONS



MAGNETIC DRIVE PUMPS



MECHANICAL SEALS PUMPS



VERTICAL PUMPS



PERISTALTIC PUMPS



EDUCTOR NOZZLE AGITATION SYSTEM



MARKETS

& STRONG POINTS

Filtration specialist for 60 years, Siebec designs and manufactures a wide range of industrial filters, pumps and industrial liquid treatment. The group is composed of 6 subsidiaries in Germany, Spain and the UK and is present worldwide with over 45 distributors.

Siebec develops a wide range of equipments designed for the fluid circulation of the following markets :



Food industry



Chemistry



Tank stripping



Fumes washing



OEM



Surface treatment



Paint



Environment & water treatment



Other industries : paper, steel

All type of connections



Reduced floor space



Low consumption



Great efficiency



EXPERTISE

& KNOW-HOW

OUR ENGINEERING OFFICE

In order to create the most efficient solutions, Siebec's engineering office works with the best hydraulic simulation softwares. They enables us to maximize fluid passage while maintaining great efficiency.

Every pump is subjected to optimization and to a series of a test so as to meet your requirements.

OUR CLOSED BLADE IMPELLERS

Our impeller design enable us to reduce our pumps electric consumption and to increase their hydraulic efficiency up to 50%. Particular care is taken with the balancing of internal pressures consequently reducing the wear of bearings.



Open impeller



Closed impeller 

OUR KNOW-HOW

The assembly of our pumps is performed in our Saint Egrève premises near Grenoble. The know how and experience of our operators allows us to guarantee an optimal result. Each pump is tested after it's assembly to provide a product of perfect quality.

M RANGE PUMPS

MAGNETIC DRIVE



M7



M50



M100



M390



MOTOR

Integrated IE3 electric motor
Great efficiency



MATERIALS

Injected plastic manufacturing
Polypropylene or PVDF

Great resistance to acids and alkalines
Resists up to 110°C (PVDF) - 80°C (PP)



DESIGN

High capacity magnetic drive
Good specific density capability

Ceramic/ceramic shaft or PTFE graphite/ceramic

Closed centrifugal pump impeller with blade diffuser
Great efficiency

Integrated strainer
Enhanced pump safety

Offset suction volute
Self-repriming



CONNECTION

Threaded



Union nut



Grooved nozzle



Flanges



**american connections available on demand*

M RANGE PUMPS

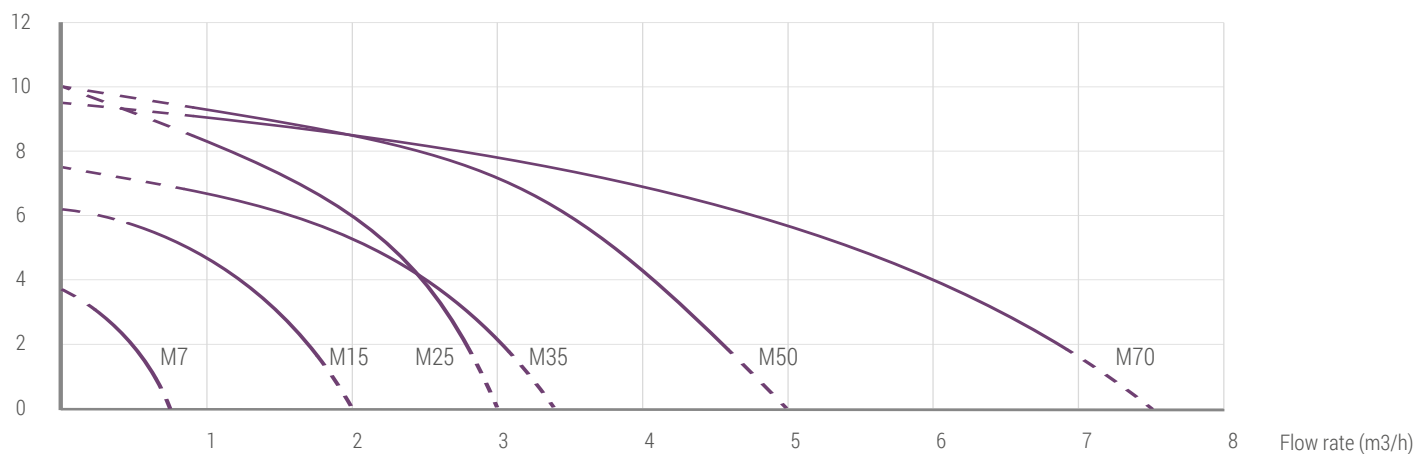
MAGNETIC DRIVE

	Motor power (kW)	Max flow rate (m³/h)	Max total head (m WC)	Density	Weight (kg)	Union connection diameter (Inlet)**	Union connection diameter (Outlet)**
M7	0,01	0,7	4	<1,2	1,9	Ø12	Ø12
M15	0,045	2	6	<1,2	3,1	G1" - DN15	G1" - DN15
M25	0,12	3	7	<1,1	3,5	G1" - DN15	G1" - DN15
M35	0,18	3	10	<1,4	5	G1" 1/4 - DN20	G1" 1/4 - DN20
M50	0,18	5	10	<1,2	6	G1" 1/2 - DN25	G1" 1/2 - DN25
M70	0,25	7	9,5	<1,2	6	G2" - DN 32	G1" 1/2 - DN25
M100*	0,75	10	18	<1,5	14	G2" 1/4 - DN40	G2" 1/4 - DN40
M140*	1,1	16	19	<1,5	17	G2" 1/4 - DN40	G2" 1/4 - DN40
M200*	1,1	21	20	<1,3	17	G2" 3/4 - DN50	G2" 3/4 - DN50
M250*	1,5	26	19	<1,2	20	G2" 3/4 - DN50	G2" 3/4 - DN50
M290	2,2	31,5	21,5	<1,5	23	G2" 3/4 - DN50	G2" 3/4 - DN50
M390	3	43	22	<1,3	32	Tr 108x5 - DN65	G2" 3/4 - DN50

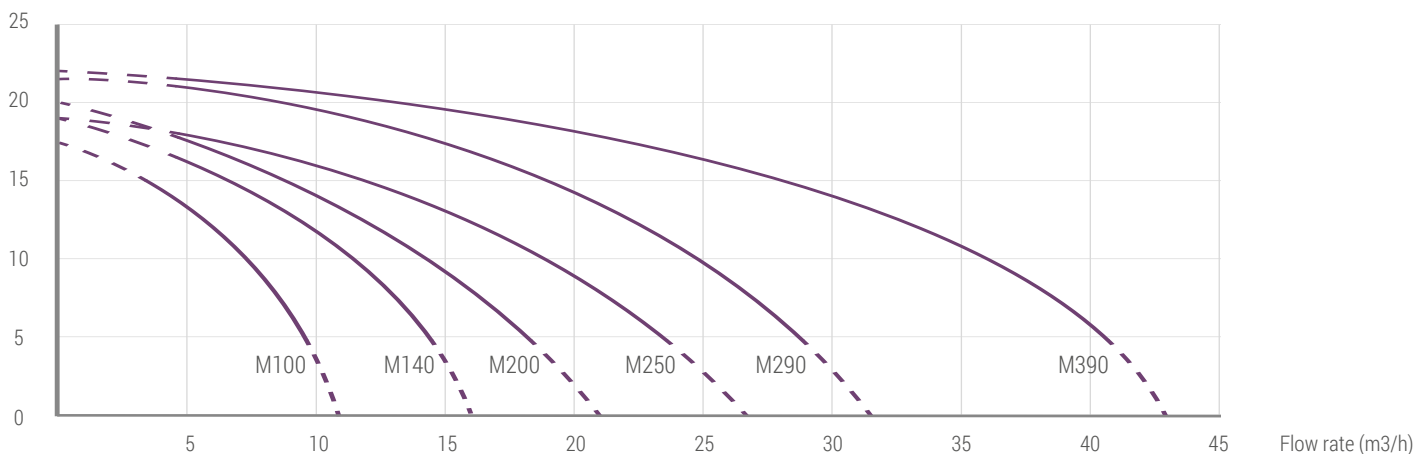
* All models are available in high density versions

** For every grooved connection, flange, union nut, please consult our technical data sheets

Total Head (m WC)



Total Head (m WC)



A RANGE PUMPS

MECHANICAL SEAL



A15

A19

A30

A31 - 32P - 33P



MOTOR

Integrated IE3 electric motor
Great efficiency



MATERIALS

Injected plastic manufacturing
Polypropylene or PVDF

Great resistance to acids and alkalines
Resists up to 110°C (PVDF) - 80°C (PP)



DESIGN

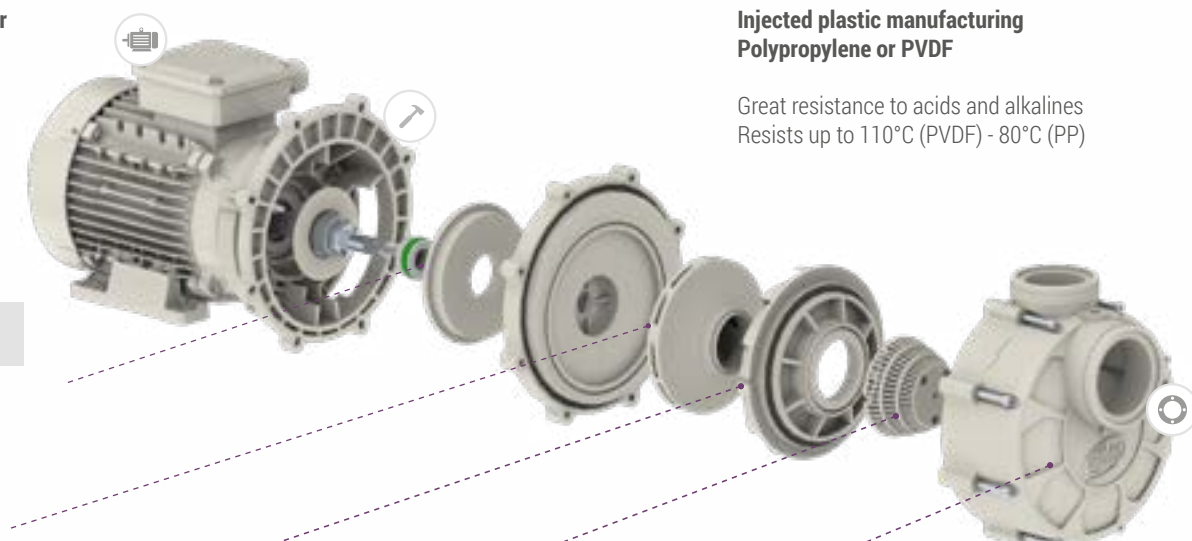
Carbide / carbide seal
Great resistance to wear
Ultra compact, long lasting

Closed centrifugal impeller on back-balanced drive shaft

Blade diffuser
Great efficiency

Integrated strainer
Enhanced pump safety

Offset suction volute
Self-priming



CONNECTION

Threaded

Union nut

Grooved nozzle

Flanges



**american connections available on demand*

A RANGE PUMPS

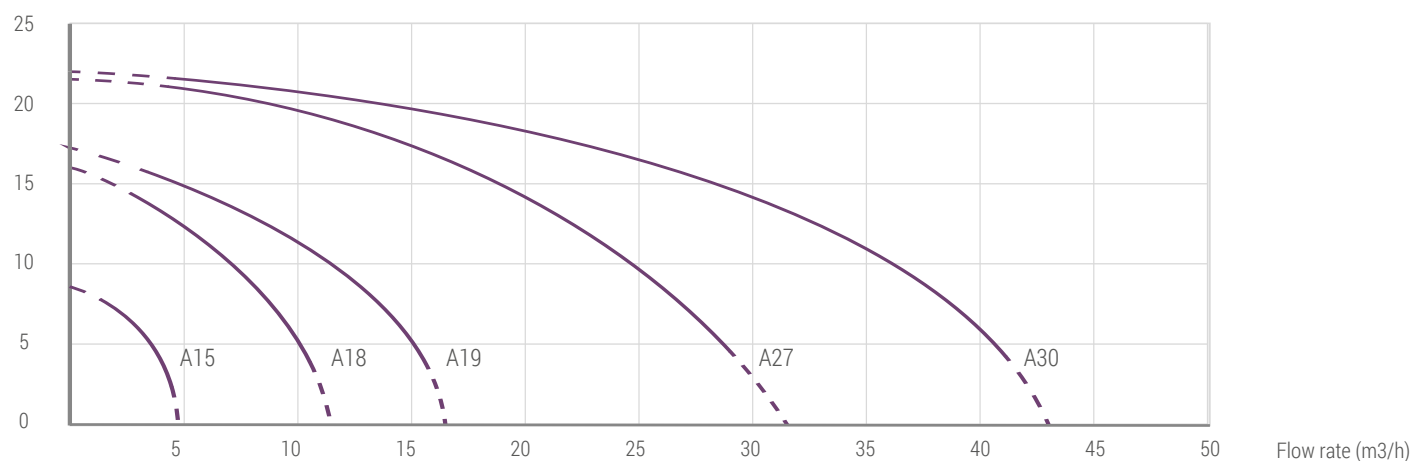
MECHANICAL SEAL

	Motor power (kW)	Max flow rate (m³/h)	Max total head (m WC)	Density*	Weight (kg)	Union connection diameter (Inlet)**	Union connection diameter (Outlet)**
A15	0,18	4,8	9	1,2	5	G1" 1/2 - DN25	G1" 1/2 - DN25
A18	0,75	10	18	1,8	15	G2" 1/4 - DN40	G2" 1/4 - DN40
A19	1,1	14	19	1,7	15	G2" 1/4 - DN40	G2" 1/4 - DN40
A27	2,2	31,5	21,5	1,4	26	Tr 108X5 - DN65	G2" 3/4 - DN50
A30	4	43	22	1,5	35	Tr 108X5 - DN65	G2" 3/4 - DN50
A32	7,5	57	50	1	60	Flanges Ø 54	Flanges Ø 54
A31 P	5,5	52	32	1	60	Tr 108X5 - DN65	G2" 3/4 - DN50
A32 P	7,5	57	41	1	60	Tr 108X5 - DN65	G2" 3/4 - DN50
A33 P	4	48	36	1	42	Tr 108X5 - DN65	G2" 3/4 - DN50

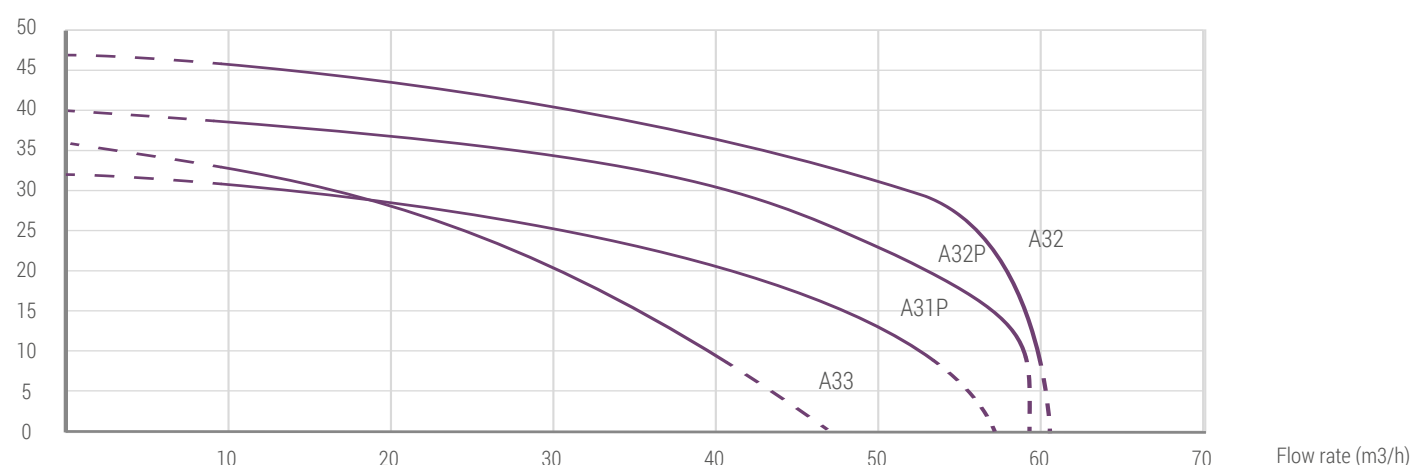
* All models are available in high density versions

** For every grooved connection, flange, union nut, please consult our technical data sheets

Total Head (m WC)



Total Head (m WC)



T RANGE PUMPS

VERTICAL PUMPS



ST20 / ST50



T141



T202



V16



DESIGN

Vertical design : in tank assembly

Impeller driven by a cantilever shaft
ST20 to T200 versions

No mechanical seal, dry run without problem

No wear pieces, no leakage risks

Intank only

OR

Impeller driven by a long shaft with ceramic bearing
T101 to 201 versions

No mechanical seals, no risks of leakage

Drive shaft height up to 756 mm

Great liquid level variation possibilities

Intank only

OR

Impeller driven by a cantilever shaft with back impeller
ST22 to T262 versions

Works inside and outside of bath

No mechanical seal, dry run without a problem.



MOTOR

Integrated IE3 motor
Great efficiency



MATERIALS

Injected plastic manufacturing
Polypropylene or PVDF

Great resistance to acids and alkalines

Resists up to 110°C (PVDF) - 80°C (PP)

OR

Stainless steel manufacturing(V16)

Great resistance to alkalines

Great mechanical strength



CONNECTION

Threaded



Union nut



Grooved nozzle



Flanges



**american connections available on demand*

T RANGE PUMPS

VERTICAL PUMPS

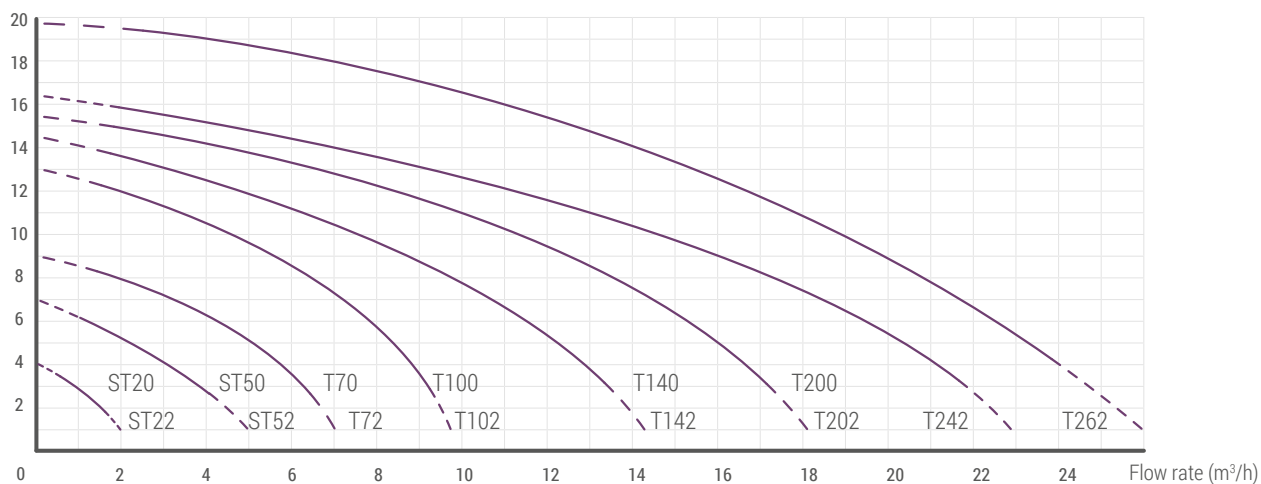
	Motor power (kW)	Max flow rate (m³/h)	Max total head (m WC)	Density*	Weight (kg)	Union connection diameter (Intlet)*	Union connection diameter (Outlet)*
ST20 / ST22	0,09	2	4	< 1,2	8	-	G1" 1/4
ST50 / ST50	0,18	5	7	< 1,3	8	-	G1" 1/4
T70	0,55	7,2	9	<1,3	12	-	G1" 1/2 - DN25
T100 / T101	0,75	10	13 / 16	<1,3	16/24	-	G2" - DN32
T140 / T141	1,1	14	14,5 / 17	<1,3	18/20	-	G2" - DN32
T200 / T201	1,1	18,5	15,5 / 18,5	<1,3	20/22	-	G2" - DN32
T72	0,75	7	10,5	<1,4	20	G1" 1/2 - DN25	G1" 1/2 - DN25
T102	1,1	11	13	<1,4	22	G2" 1/4 - DN40	G2" 1/4 - DN40
T142	1,1	14	15	<1,2	22	G2" 1/4 - DN40	G2" 1/4 - DN40
T202	1,5	18	17	<1,25	40	G2" 3/4 - DN50	G2" 3/4 - DN50
T242	1,5	23	17	<1,3	23	G2" 3/4 - DN50	G2" 3/4 - DN50
T262	2,2	27	19,5	<1,4	23	G2" 3/4 - DN50	G2" 3/4 - DN50
V16***	1,5	22	12	<1,3	32	-	G2" 3/4 - DN50

*Consult us for higher densities

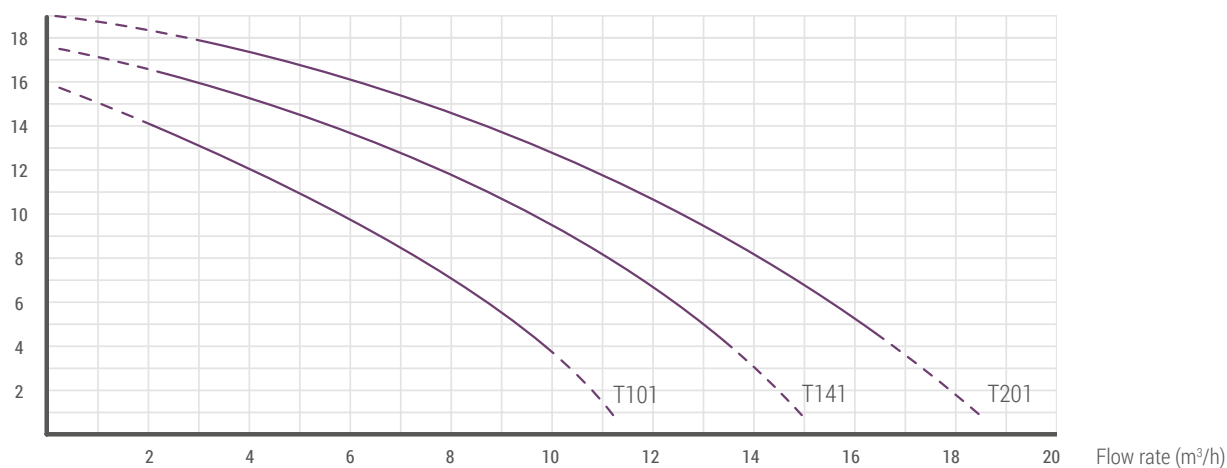
* For every grooved connection, flanges and union nuts, please consult our technical data sheets

***Consult us for other models

Total Head (m WC)



Total Head (m WC)



DOSING PUMPS

PERISTALTIC PUMPS



SPP 4



SPP 50



SPP 90



DESIGN

Ergonomic design with transparent flip up cover
Quick pipe change

Three pump sizes
Flow rate from 0,08 l/h to 126 l/h



MOTOR

24V or 230V motor
Rotation speed from 10 to 240 tr/min



MATERIALS

Large choice of pipes depending on the application
Teknoprene®, Silicone, Viton®



SPP KIT

The SPP kit converts a 230V alternating current to 24V DC. The power supply enables a direct connection on any kind of outlet or directly on a machine. It can be equipped with a circuit board enabling the automation of the pump..



Current conversion
230V - 24V



Possible automation



All kind of power supply connection



Easy installation





EDUCTOR NOZZLES

VENTURI SYSTEM

PVDF	STAINLESS	PP	90% less toxic fumes 	Homogeneization 	Enhance conductivity 	Heating savings 
			Less defects 	Less cleaning 	Improved working environment 	The SIEBEC agitation system uses the Venturi principle in order to amplify the amount of liquid delivered by a pump

ADVANTAGES

Prevents laminating

Avoids stagnation in the tank and disperses products and reagents

Dissipates the heat

Dissipates the heat from the cathode/electrolyte interface.

Improves the deposition rate

Reduction of the layer at the product

Reduction of turbulences

Increases the deposition factor from 10 to 100

Venturi principle

Multiplies by 5 the volume of liquid pumped

Optimizes deposition properties

Porosity, hardness, resistant to abrasion



MATERIALS

Molded in one piece

In polypropylene, PVDF or Stainless steel

APPLICATIONS

Suitable for most applications

Electroplating, degreasing, cleaning, pickling, pre-treatment, paint stripping, anodizing, homogenous solution, mixing, chemical make up

OPTION

Eductor support

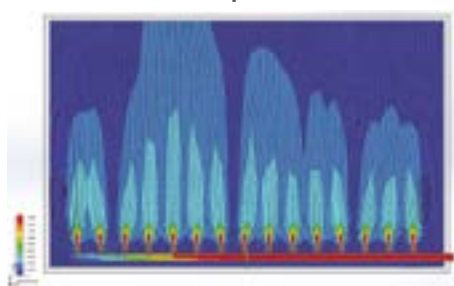
Easy assembly



"O" shaped implantation example

OPTIMIZATION

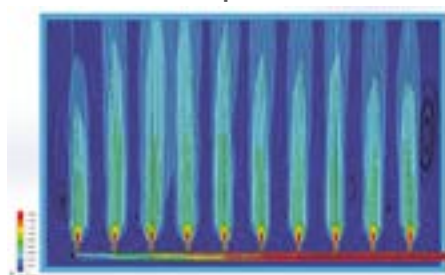
Before optimization



- Non homogenous diffusion

- "Dead" zones

After optimization



+ Homogeneous diffusion on the entire height

+ Full stirring



SIEBEC GROUP

FLUID FILTRATION, PURIFICATION, TRANSFER



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