



Experience the knowledge



WHO IS ASD

ASD is the European leader in hydro-massage baths and a recognized innovator in the domain of «Wellness».

ASD, which designs 100% of its products, offers all the necessary components for building a hydro-massage bath: pumps, blowers, jets, electronic controls, connectors, chromotherapy, aromatherapy, etc. These elements are shipped in kits or separately, according to clients' choices.

Founded in 1993, ASD has become an essential supplier on the international hydro-massage market through its expertise and the extent of its range of products.

ASD also benefits from the experience of its parent company SIREM, a major manufacturer of pumps and complex motorization solutions.

DESIGN AND QUALIFICATION

Our R&D engineers work with up-to-date computer-assisted design and simulation tools, and particularly:

- 3D CAD: Solidworks
- Materials resistance : Cosmos

Product qualification is a fundamental stage, implemented by an autonomous Department and independent from design. The Qualification Department has a laboratory for functional and destruction-limit tests. It certifies the products and systems to the required standards (NF, TÜV, UL, etc.).

MANUFACTURING AND LOGISTIC SYSTEM

With its 3,000 sqm covered site in St Maurice de Beynost (near Lyon - FRANCE) , ASD has put in place an efficient and extremely flexible industrial and logistics organization :

- Structured around Enterprise Resource Planning software,
- Closely associating a small number of approved suppliers,
- Complying with ISO 9000 quality-assurance principles,
- Allowing the customization of each order (kits or individual packaging, pre-assembled sub-assemblies, etc.),
- Testing 100% of products before dispatching, and shipping them in the very short delay of 7 working days (on average).

We deliver our products throughout 40 countries. The pumps are produced by SIREM, located near ASD's site, and are shipped daily according to tightly-scheduled flows.

CONSULTING AND TECHNICAL ASSISTANCE

ASD has developed internationally-recognized technical expertise. Consequently ASD plays the role of technical consultant for its clients, according to several themes :

- Help in defining their range of baths,
- Proposals for customizing unique models,
- Improvement of methods for assembly and use of equipment.

Communication with clients enables the permanent development of ASD's range of products. ASD is constantly innovating to win over a general-public clientele that is ever more demanding in matters of «Wellness» solutions. This contributes to our long-term clients relation.

INNOVATION

The concept of innovation is deeply rooted in the company's culture. ASD has many patents and carries out its research around several themes:

- Improvement of massage effects (ex: multiple-effect mixed jets)
- Provision of new functionalities to the hydro-massage bath (ex: massage cushions, new-generation chromotherapy, aromatherapy, etc.)
- Systematic development of new electronic controls, providing great variety of massage programs and improving their ergonomics (ex: tactile screens, sensitive interfaces, remote-controls, frequency-variation pumps, etc.)
- Simplification of assembly and reduction of associated time (ex: monobloc wall fitting o-ring in technically innovative polymer, Compac® jets, quick connectors, pre-assembly kits, etc.)
- Cost reduction through function mutualization (ex: monobloc drainage suction, electronics integrated into the pumps, etc.)
- Simplification of maintenance (ex: removable chromotherapy projectors, etc.)
- The intention underlying this innovation process: to allow ASD's clients to compose their own projects with incomparable freedom.

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THE WATER JETS





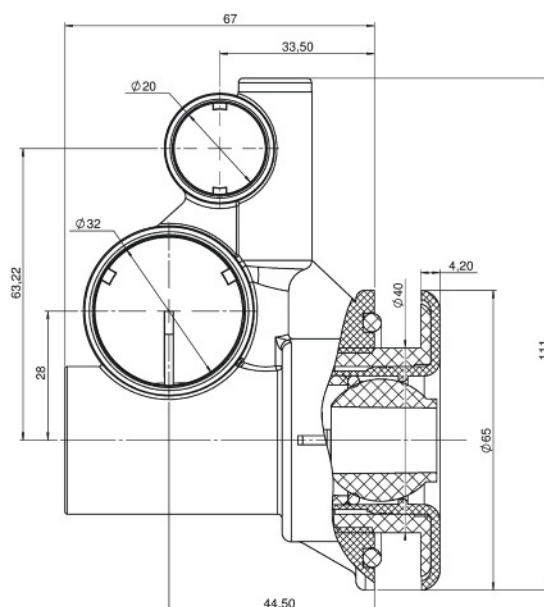
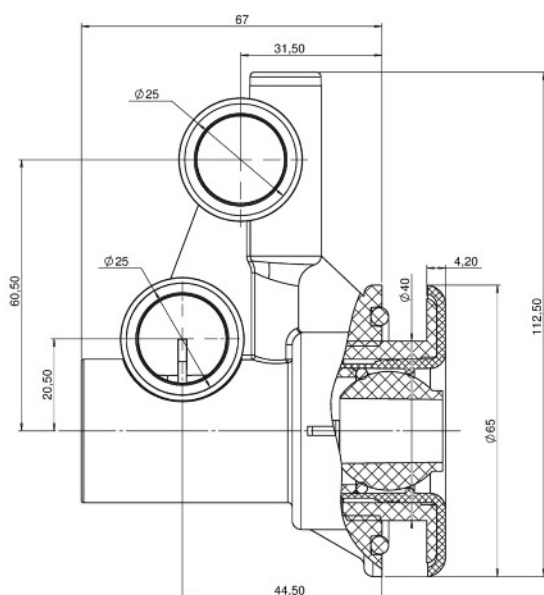
Rapid Jets

Invigorating massage
Quick connection or Ø32/20 standard
Adjustable or rotary

Exploded view of Rapid Jet



Dimensions of Rapid Jet

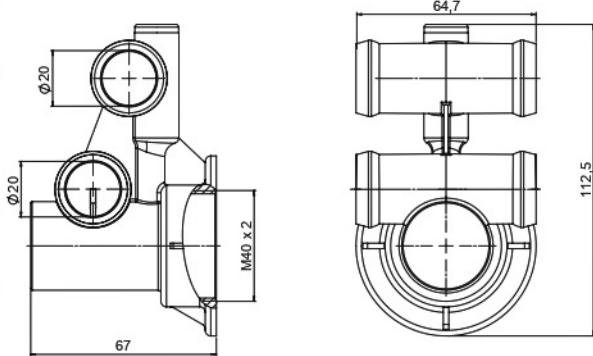
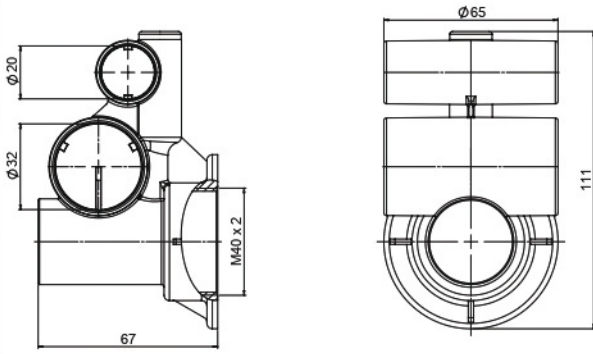




Rapid jets

body, o'ring, wall fitting

- Diameter of drilling 40mm and 41mm with wall fitting o'ring
- Baths thickness from 1 to 12 mm
- PVC made of

Body	Drawing	Type of body	
		 Body water open air right close	3472250021-D
		 Body water open air left close	3472550021-G
		 Body water right close air right close	3472550001-D
		 Body water right close air open	3472550011-D
		 Body water left close air open	3472550011-G
		 Body water left close air left close	3472550001-G
		 Body water open air open	3472550001
		 Body water right close air right close	3472320001-D
		 Body water left close air left close	3472320001-G
		 Body water open air open	3472320001

Ref	Standard O'Ring	Wall Fitting O'Ring
O'RING	 2917440008	 2917400001
	47x4 NBR 70 shores	Silicone useless

Ref	Standard Wall Fitting
WALL FITTING	 3612000001
	18 mm threaded Bath thickness from 2 to 12 mm with standard o'ring and 1 to 10 mm with wall fitting o'ring



Rapid jets

finishing

	Eye-ball Flower	Eye-ball Premium	Eye-ball Standard	Eye-ball Ovo	Eye-ball Rotative
Finishing Concaves	 5211221003-MON	 5211321003-MON	 5211121003-MON	 5211241203-MON	 3711013023-MON
Finishing Flower Ø65 or Ø80	 Ø65 - 5211231003-MONT Ø80 - 5211242103-MON	 5211331003-MON	 Ø65 - 5211311003-MON Ø80 - 5211242113-MON	 Ø65 - 5211241303-MON Ø80 - 5211242123-MON	 3711012013-MON
Finishing Premium	 5211421003-MON	 5211431003-MON	 5211411003-MON	/	 5211441003-MON
Finishing Premium Flat	 5211551003-MON	 5211531003-MON	 5211511003-MON	/	 5211541003-MON
Finishing Standard Ø65 or Ø80	 Ø65 - 5211211003-MON Ø80 - 5211242013-MON	 5211631003-MON	 Ø65 - 5211111003-MON Ø80 - 5211242003-MON	 Ø65 - 5211241403-MON Ø80 - 5211242023-MON	 3711012003-MON
Finishing Lagoon	 5211241123-MON	/	 5211241113-MON	 5211241103-MON	/
Extra Flat Finishing	 5211241003-MON				

Extra flat finishing. The wall fitting is also used for the finishing
 15 mm threaded
 Bath thickness from 3 to 8 mm with standard o'ring and 1 to 6 mm
 with wall fitting o'ring



Rapid jets

Accessories

	Types	Ref.	Illustrations
TOOL	Tool for Standard wall fitting	3072000008	
	Tool for Platinum wall fitting	3012000068	
	Tool to remove the finishing (except the platinum)	3012000101	

Rapid jets - kit 6 jets

(example)



1/ BODY



2/ O-RING



3/ WALL FITTING



4/ FINISHING

Rapid jets - kit 6 jets

(example)

Type	Description	Reference	Quantity
Jets finishing	 Face standard Eye-ball standard	5211111003-MON	6
Body open	 Air left and right open Water left and right open	3472550001	4
Body left close	 Air left close Water left close	3472550001-G	1
Body right close	 Air right close Water right close	3472550001-D	1
Wall Fitting	 Standard wall fitting 18 mm threaded	3612000001	6
O'ring	 Wall fitting O'ring silicone useless	2917400001	6
Air control	 Standard silent air control (+ / -) (ABS)	1312001003-1	1
Grooved fitting	 Tee 25-25-25	1177250007	1
Water pipe	 White pipe 25 x 31	0812220012	6.5 m
Water pipe	 White pipe Ø50	0812220012	1 m
Clamp	 Standard metal clamp for pipe Ø25	1227250028	26
Suction	 Suction with standard faces Ø86	0911511003	1



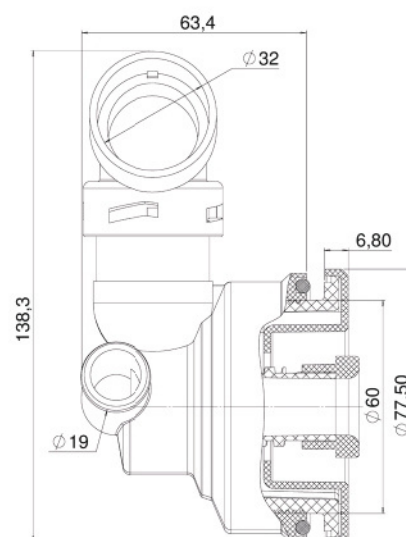
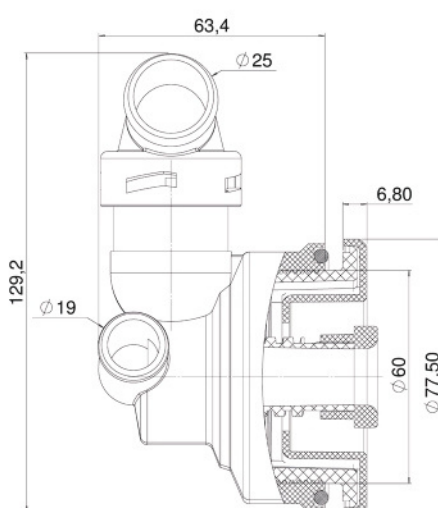
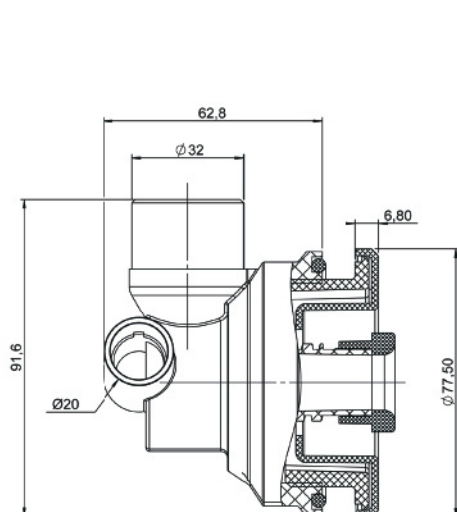
Big Jets

Tonic and Invigorating massage
High flow
Adjustable and directional
Without retention

Exploded view of Big Jet



Dimensions of Big Jet





Big jets

body, o'ring, wall fitting

- Diameter of drilling 60mm with wall fitting o'ring
- Baths thickness from 1 to 13 mm
- PVC made of

Ref	Bodies	Drawings	Type of body	
BODY	Standard		Body standard open water and air	3412581001
	3412581001		Body standard open water and air left closed	3412581001-G
			Body standard open water and air right closed	3412581001-D
	«V» shape Ø25		Body V shape Tee Ø25 open Body V shape Tee Ø25 air left closed Body V shape Tee Ø25 air right closed	3412583011 3412583011-GO 3412583011-DO
	3412583011*		Body V shape L right Ø25 open Body V shape L right Ø25 air left closed	2412583011-OG 3412583011-G
			Body V shape L left Ø25 open Body V shape L left Ø25 air right closed	3412583011-OD 3412583011-D
	«V» shape Ø32		Body V shape Tee Ø32 open Body V shape Tee Ø32 air left closed Body V shape Tee Ø32 air right closed	3412582011 3412582011-GO 3412582011-DO
	3412582011*		Body V shape L right Ø32 open Body V shape L right Ø32 air left closed	3412582011-OG 3412582011-G
			Body V shape L left Ø32 open Body V shape L left Ø32 air right closed	3412582011-OD 3412582011-D

* : wall-fitting included

Ref	Standard O'Ring	Wall Fitting O'Ring
O'RING		
	64x4 NBR 70 shores 2917640008	Silicone useless 2917600001

Ref	Standard Wall Fitting
WALL FITTING	
	20 mm threaded Bath thickness from 3 to 13 mm with standard o'ring and 1 to 11 mm with wall fitting o'ring 3612580002

Big jets

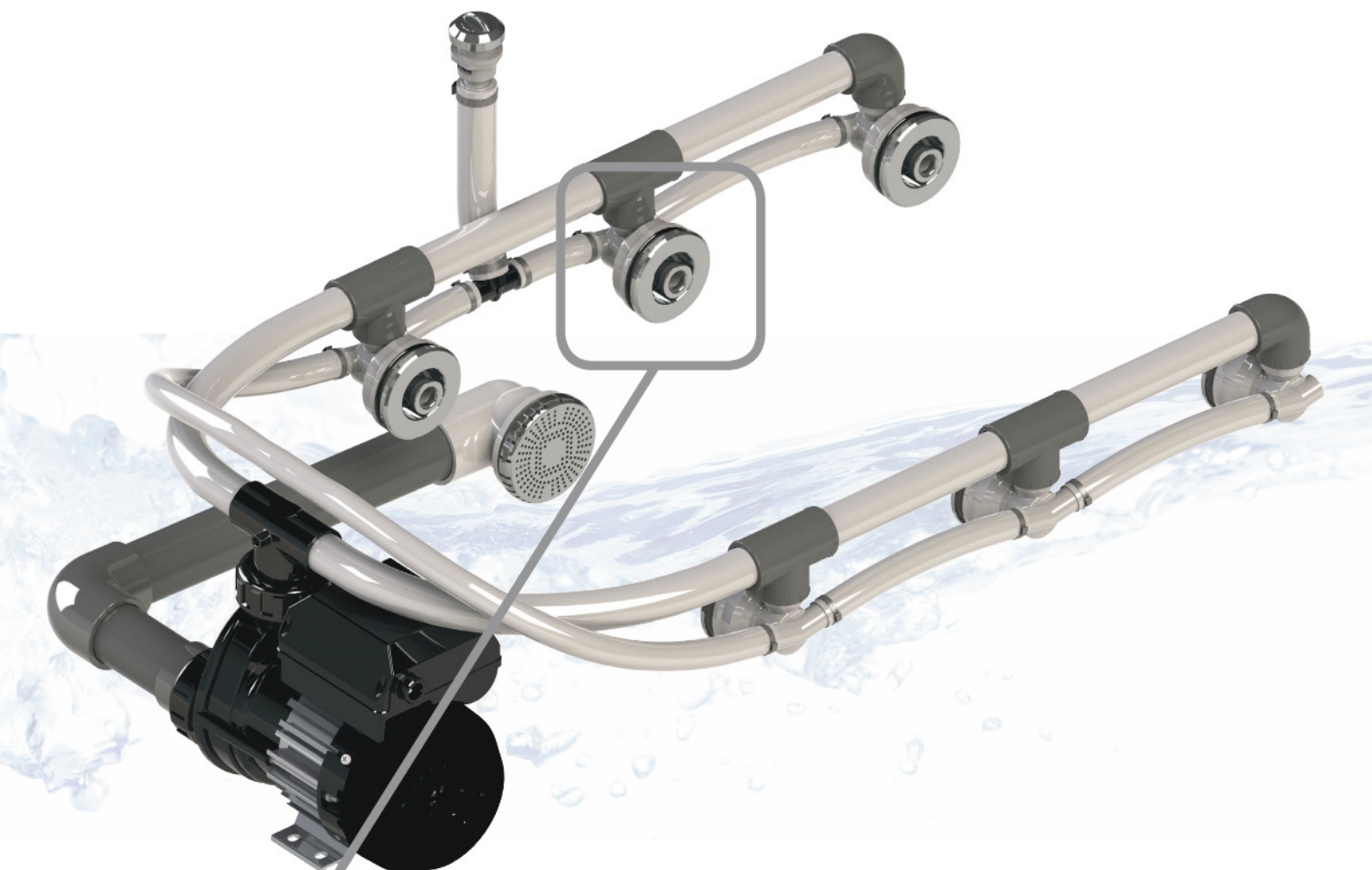
finishing



	Finishing standard	Finishing flower	Finishing premium
Eye-ball Standard	 5211803003	 5211802003	 5211801003
Eye-ball Flower	 5211803013	 5211802013	 5211801013

Big jets - kit 6 jets

(example)



1/ BODY

2/ O-RING

3/ WALL FITTING

4/ FINISHING

Big jets - kit 6 jets

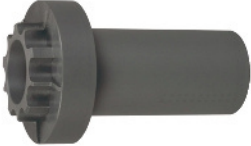
(example)

Type	Description	Reference	Quantity
Jets finishing	 Face standard Eye-ball flower	5211803013	6
Body open	 Water left and right open Air left and right open	3412581001	4
Body water open Left air close	 Water left and right open Air left close and right open	3412581001-G	1
Body Water open Right air close	 Water left close Air left open and right close	3412581001-D	1
Wall Fitting	 Standard wall fitting 20 mm threaded	3612580002	6
O'ring	 Wall fitting O'ring silicone useless	2917600001	6
Connections standard body	 Tee PVC (ø32 x 3)	1172320008	4
Connections standard body	 Elbow PVC (ø32 x 2)	1112320038	2
Air control	 Standard silent air control (+ / -) (ABS)	1312001003-1	1
Grooved fitting	 Tee 20-20-20	1172200018	1
Water pipe	 White pipe Ø32	08123200008	3 m
	 White pipe Ø20 int. 19/23	0812250002	3.5 m
Clamp	 Standard metal clamp for pipe Ø19/23	1227240008	12
Suction	 Suction with standard faces Ø86	0911511003	1



Big jets

Accessories

	Types	Ref.	Illustrations
CONNECTIONS Standard Body	Tee PVC (ø32 x 3)	1172320008	
	Elbow PVC (ø32 x 2)	1112320038	
	Union PVC (ø20 x 2)	1112200018	
CONNECTIONS «V» shape Body	Tee PP ø25 ¼ turn	1172420001	
	Tee ABS ø32 ¼ turn	1172430001	
	Elbow PP ø25 ¼ turn	1172420011	
	Elbow ABS ø32 ¼ turn	1172430011	
TOOL	Tool for Standard wall fitting	3012000078	



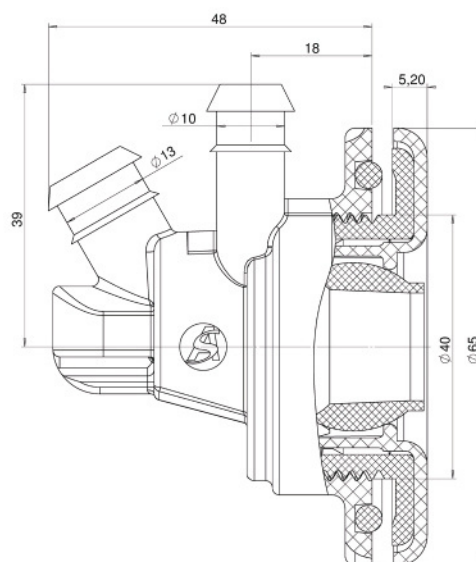
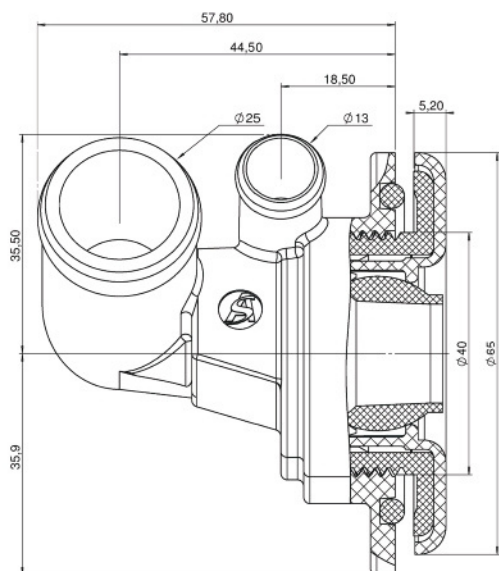
Compac Jets

Best effect massage
Very compact jet
Possibility to regulate the flow
Without retention

Exploded view of Compac Jet



Dimensions of Compac Jet

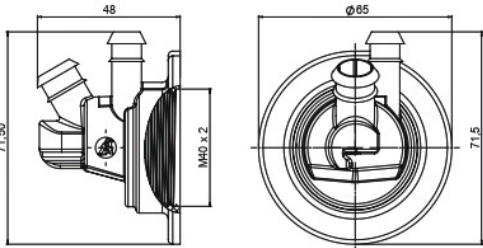
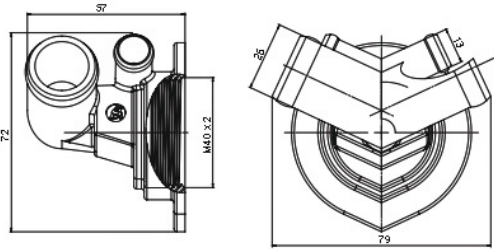
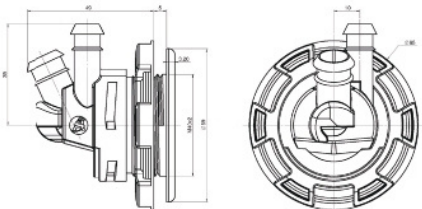




Compac jets

body, o'ring, wall fitting

- Diameter of drilling 40mm and 41 mm with wall fitting o'ring
- Baths thickness from 1 to 11 mm
- Charged PP made of

Ref	Bodies	Drawings	Technical Features
BODY	Standard (manifold mounting)  3452011011		/
	Eco «V» shape (jet to jet mounting)  3417210002 (R - adjustable)		 Body Eco V shape open air open water 3417210002  Body Eco V shape air and water right closed 3417210002-D  Body Eco V shape air and water left closed 3417210002-G
	Standard V2 (manifold mounting)  3452201001		/

Manifold mounting

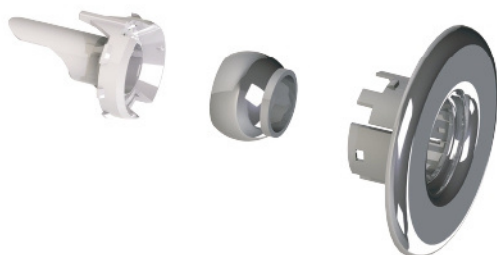


Jet to jet mounting



Ref	Standard O'Ring	Wall Fitting O'Ring
O'RING	 2917440008 47x4 NBR 70 shores	 2917400001 Silicone useless

Ref	Standard Wall Fitting	Wall Fitting Long Version
WALL FITTING	 3652000011 15 mm threaded Bath thickness from 3 to 8 mm with standard o'ring and 1 to 6 mm with wall fitting o'ring	 3652000031 18 mm threaded Bath thickness from 6 to 11 mm with standard o'ring and 4 to 9 mm with wall fitting o'ring



Compac jets

finishing

	Eye-ball Flower	Eye-ball Standard	Eye-ball Ovo	Eye-ball Rotative
Finishing Flower Ø65 or Ø80	 Ø65 - 5211521113-MON Ø80 - 5211526013-MON	 Ø65 - 5211521103-MON Ø80 - 5211526003-MON	 Ø65 - 5211521123-MON Ø80 - 5211526023-MON	/
Finishing Standard Ø65 or Ø80	 Ø65 - 5211520113-MON Ø80 - 5211525003-MON	 Ø65 - 5211520203-MON Ø80 - 5211525013-MON	 Ø65 - 5211520123-MON Ø80 - 5211525023-MON	/
Finishing Concave Ø65	 5211522113-MON	 5211522103-MON	 5211522123-MON	/
Finishing Lagoon Ø65	 5211523113-MON	 5211523103-MON	 5211523123-MON	/
Finishing Eco Ø65	 3717000013	/	/	/
Finishing Platinum Ø65 - wall fitting included	/	 ABS - 5211524003-MON-1 StainlessSteel - 5211524003-MON-2	/	 ABS - 5211527103-MON-1 StainlessSteel - 5211527103-MON-2
Finishing Platinum Ø50 - wall fitting included	/	 BRASS - 5211524003-MON-3	/	 BRASS - 5211527103-MON-3

Compac jets - kit 6 jets

(example)



1/ BODY

2/ O-RING

3/ WALL FITTING

4/ FINISHING

Compac jets - kit 6 jets

(example)

Type		Description	Reference	Quantity
Jets finishing		Face standard Eye-ball standard	5211520203-MON	6
Body open		Air left and right open Water left and right open	3417210002	4
Body left close		Air left close Water left close	3417210002-G	1
Body right close		Air right close Water right close	3417210002-D	1
Wall Fitting		Standard Wall Fitting 15mm threaded	3652000011	6
O'Ring		Wall fitting O'ring silicone useless	2917400001	6
Air control		Standard silent air control (+ / -) (ABS)	1312001003-1	1
Grooved fitting		Tee 25-13-13	1152251628	1
Water pipe		White pipe 13 x 17	0812370028	3.5 m
		White pipe 25 x 31	0812220012	3.5 m
		White pipe Ø50	0812220012	1 m
Clamp		Standard metal clamp for pipe Ø16	1227190008	12
		Standard metal clamp for pipe Ø25	1227250028	14
Suction		Suction with standard faces Ø86	0911511003	1



Compac jets

Accessories

	Types	Ref.	Illustrations
AIR TEE REGULATOR	Air regulator (ø13/13)	1152011608	
	Air manifold (ø13/13 - 4 x ø10)	1052040008	
MANIFOLD	Water manifold (ø25/25 - 3 x ø13)	1052030008	
	Water manifold Tee (ø25-13-25)	1152251608	
	Water manifold elbow (ø25-13)	1152251618	
	Tool for Standard wall fitting	3072000008	
TOOL	Tool for Platinum wall fitting	3012000068	
	Tool to remove the finishing (including the platinum)	3012000088	
	Tool to remove the finishing (except the platinum)	3012000101	



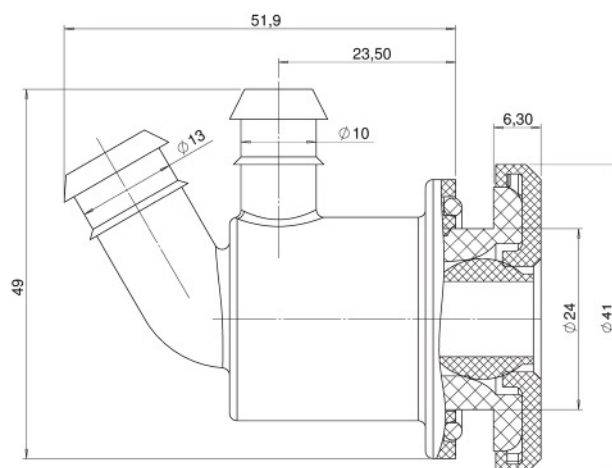
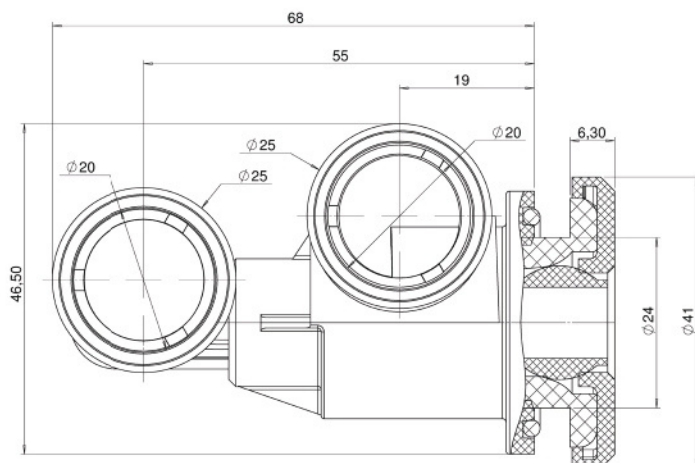
Micro Jets

Precise massage
Designed for lumbar or foot massage
Adjustable or rotary

Exploded view of Micro Jet



Dimensions of Micro Jet

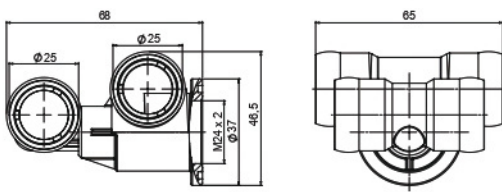
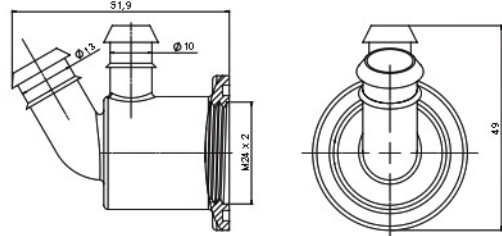
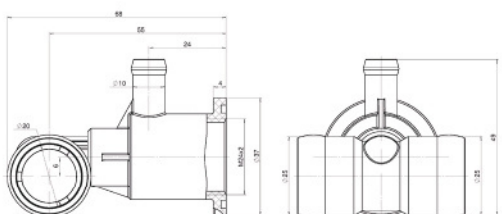




Micro jets

body, o'ring, wall fitting

- Diameter of drilling 24mm and 25mm with wall fitting o'ring
- Baths thickness from 2 to 15 mm
- Very compact jet

Ref	Bodies	Drawings	Technical Features
BODY	Standard (jet to jet mounting)  3412521002		 3412521002  3412521002-D  3412521002-G
	Compac (manifold mounting)  3412520032		/
	Vertical jet mounting (jet to jet mounting)  3412121002		 3412121002  3412121002-D  3412121002-G

Manifold mounting



Jet to jet mounting



Ref	Standard O'Ring	Wall Fitting O'Ring
O'RING	 2917720001 27.3 x 2.4 NBR 70 shores	 2917250002 Silicone useless 1 to 8 mm with wall fitting o'ring

Ref	Wall Fitting PA6	Wall Fitting PP	Wall Fitting ABS
WALL FITTING	 3618230048 22 mm threaded Bath thickness from 3 to 8 mm with standard o'ring and 1 to 6 mm with wall fitting o'ring	 3618230008 22 mm threaded Bath thickness from 6 to 11 mm with standard o'ring and 4 to 9 mm with wall fitting o'ring	 3618230018 22 mm threaded Bath thickness from 6 to 11 mm with standard o'ring and 4 to 9 mm with wall fitting o'ring



Micro jets

finishing

FINISHING

	FACES STANDARD	FACES LYMPHA- TIC	FACES ROTARY JET TOP	FACES PREMIUM	FACES PREMIUM ROTATIVE	FACES «ECO» WITHOUT EYE-BALL	FACES «ECO» WITH FIX EYE-BALL	FACES CHAM- PAGNE
Wall Fitting ABS 	/		/		/			/
3618230018		5211371023		5211371073		5211371053	5211371063	
Wall Fitting PP 		/				/	/	/
3618230008	5211371003		5211371013	5211371033				
Wall Fitting PA6 	/	/	/		/			
3618230048				5211371093		5211371053-2	5211371063-2	5211371083

FINISHING with wall fitting included

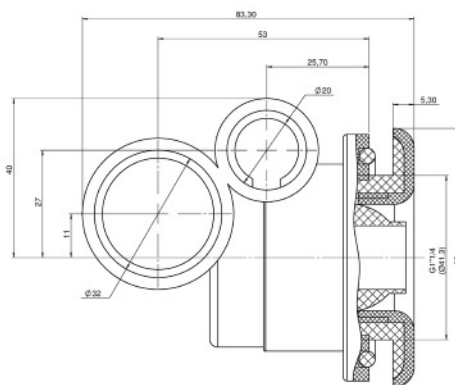
3713371003	5213371013-9016	5213371003
FACE CHAMPAGNE 22mm 52 1337 1033	FACE CHAMPAGNE 30MM 52 1337 1023	



Micro jets

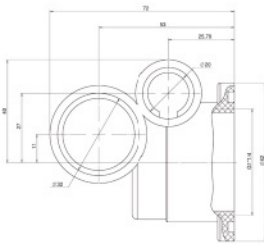
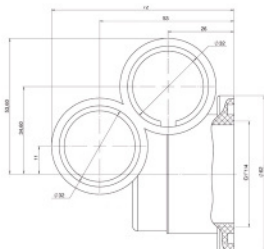
Accessories

	Types	Ref.	Illustrations
AIR TEE REGULATOR	Air regulator (ø13/13)	1152011608	
REDUCER	Reducer 32 - 20	1112350008	
	Reducer 20 - 13	1171210002	
MANIFOLD	Air manifold (ø13/13 - 4 x ø10)	1052040008	
	Water manifold (ø25/25 - 3 x ø13)	1052030008	
	Water manifold Tee (ø25-13-25)	1152251608	
	Water manifold elbow (ø25-13)	1152251618	
TOOL	Tool for Standard wall fitting	3012000068	



Mac jets

Tonic massage - Basic ; simple and reliable - Directionnall

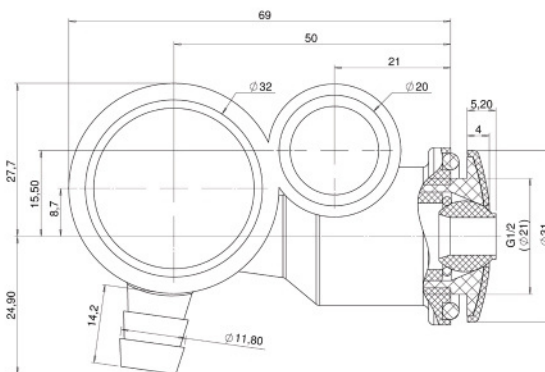
Ref	Bodies	Drawings	Technical Features
BODY MAC JETS	Ø32/20  3411320031		• Diameter of drilling 42mm with wall fitting o'ring • Baths thickness from 2 to 25 mm • PVC Made of
	Ø32/32  3411330001		

Exploded view of Micro Jet



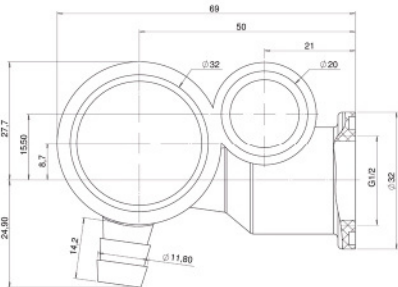
Complete jet references :
 version 32x20 chrome - 0611321013
 version 32x32 chrome - 0611321033

Ref	Standard O'Ring	Ref	Wall Fitting
O'RING	 47 x 4 NBR 70 shores 2917440008	WALL FITTING	 Short version 20mm threaded, bath thickness from 2 to 13 mm Long version 32 mm threaded, bath thickness from 6 to 25 mm
			3611200001 (short version) 3611320001 (long version)



Euromic Jets

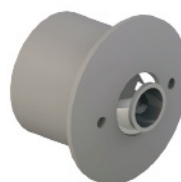
Tonic massage - Basic ; simple and reliable - Directionnall

Ref	Bodies	Drawings	Technical Features
BODY EUROMIC	Ø32/20  3411320001		• Diameter of drilling 21mm • Baths thickness from 2 to 15mm • PVC Made of

Exploded view of Micro Jet



Complete jet references :
version 32x20 chrome - 0611321043



Ref	Standard O'Ring	Ref	Wall Fitting
O'RING	 24 x 3 NBR 70 shores 2917230008	WALL FITTING	 Short version 15mm threaded, bath thickness from 2 to 8 mm Long version 22 mm threaded, bath thickness from 6 to 15 mm 3611150001 (short version) 3611220001 (long version)

Accessories

for clamp system

	Types	Ref.	Illustrations		Types	Ref.	Illustrations
CLAMP	Cable Strap 160 x 4.8	1222410008			Re-useable metal clamp for pipe Ø25	1227250048	
	Standard metal clamp for pipe Ø25	1227250028			Re-useable metal clamp for pipe Ø13/17	1227180008	
	Standard metal clamp for pipe Ø13/17	1227190008			Standard metal clamp for pipe Ø19/23 (only for Big jet)	1227240008	
	Standard metal clamp for pipe Ø10/14	1227150008					

PIPE	White pipe 25 x 31	0812220012			White pipe Ø50	0812500008	
	White pipe 13 x 17 - 75 shores	0812370028			White pipe Ø19/23 (Big jet only)	0812250002	
	White pipe 10 x 14 - 75 shores	0812101418					

AIR TEE	Air tee regulator	1152011608					
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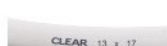
MANIFOLD	Air manifold	1052040008			Water manifold Tee 25-25-13	1152251608	
	Water manifold	1052030008			Water manifold elbow 25-13	1152251618	

TEE PUMP	Tee pump «Y» Ø25	0313630001			Tee pump Ø25 - 2"1/4	1112250007	
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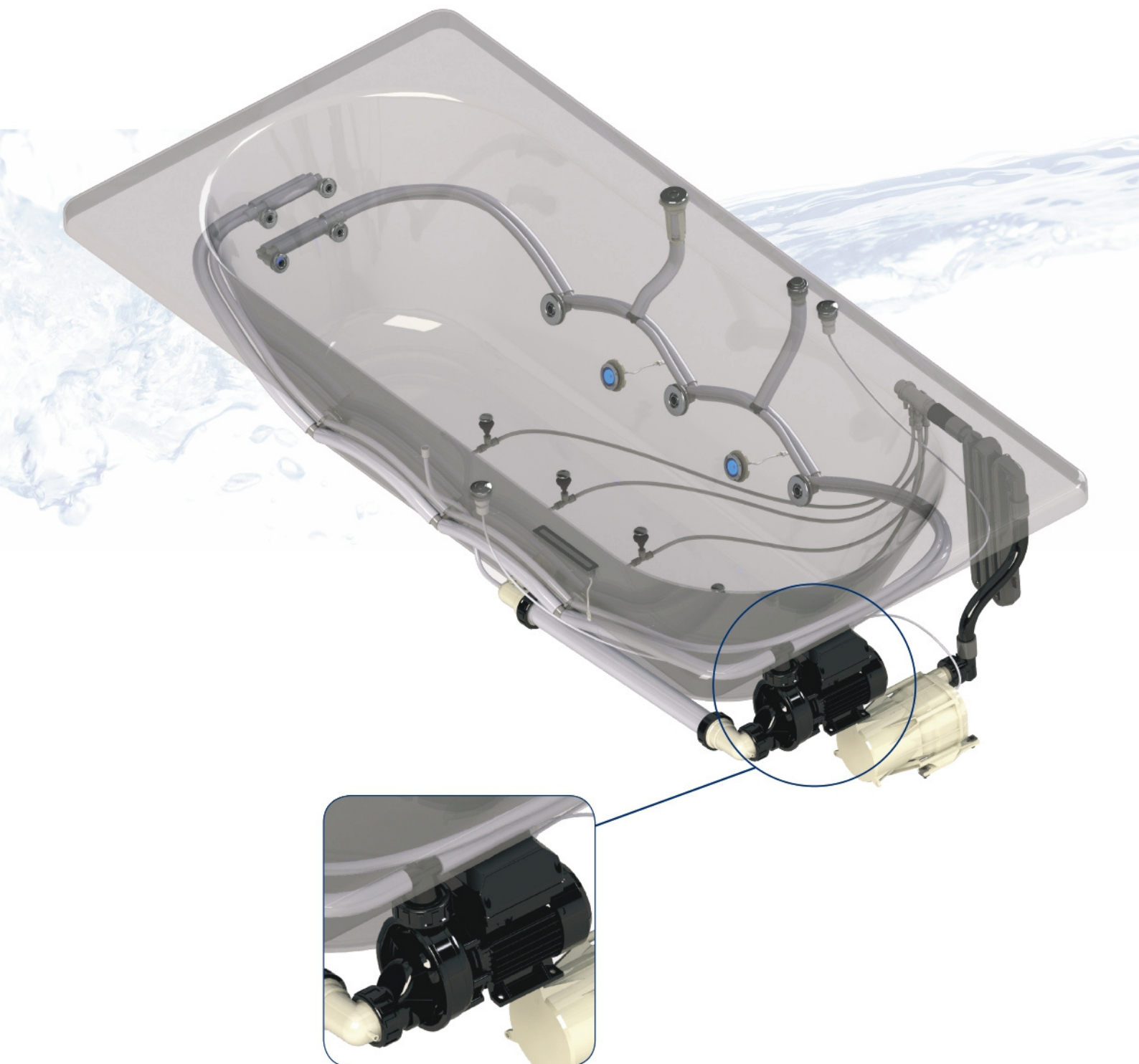
GROOVED FITTING	Tee 25-25-25	1177250007			Tee 13-13-13	1117170007	
	Tee 25-13-13	1152251628			Tee 10-10-10	1117140007	
	Reducer 25-20	1112600018			Reducer 25-13	1112600008	
	Grooved Y 25-25-25	1177250017			Grooved elbow 25-25	1177250027	

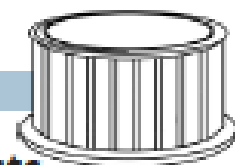
Accessories

for glued system

Types		Ref.	Illustrations			Types	Ref.	Illustrations
UNION	PVC union Ø50	1112500018				PVC union Ø20	1112200018	
	PVC union Ø32	1112320018				PVC union Ø25 / Ø25 grooved	1134550008	
REDUCER	PVC reducer Ø32-20 (short)	1112320028				PVC reducer Ø32-20	1112350008	
	PVC reducer Ø32-25 (short)	1112320068						
ELBOW 45°	PVC elbow 45° Ø50	1112450008				PVC elbow 45° Ø32	1112320058	
	PVC elbow 45° Ø50 M/F	1112450018				PVC elbow 45° Ø20	1112200048	
ELBOW 90°	PVC elbow 90° Ø50	1112900008				PVC elbow 90° Ø32	1112320038	
	PVC elbow 90° Ø50 M/F	1112900018				PVC elbow 90° Ø20	1172920008	
TEE	PVC tee Ø50	1172500008				PVC tee Ø20	1172200008	
	PVC tee Ø32	1172320008				PVC reduced tee Ø32-20-32	1172330008	
«Y»	PVC «Y» Ø32	1172450008				PVC «Y» Ø20	1172201008	
STOPPER	Stopper Ø20	1182200008				Stopper Ø20 (Rapid jet only)	1112250008	
	Stopper Ø32	1112320008				Stopper Ø20	1112200008	
PIPE	White pipe Ø20	0812200008				White pipe Ø50	0812500008	
	White pipe Ø32	0812320008				White pipe Ø19/23 (only for Big jet)	0812250002	
GLUE	Tangit all pressure glue 1kg tin with brush	3382100018						

THE PUMPS & BLOWERS





APPLICATIONS

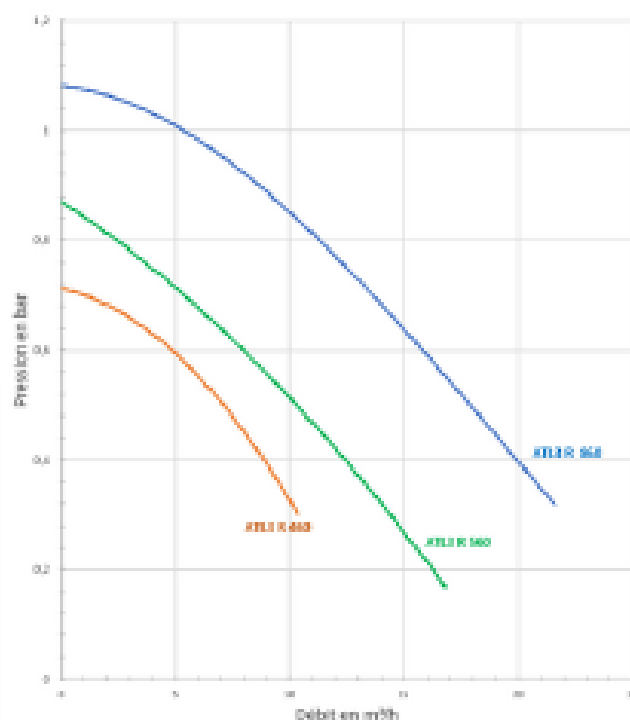
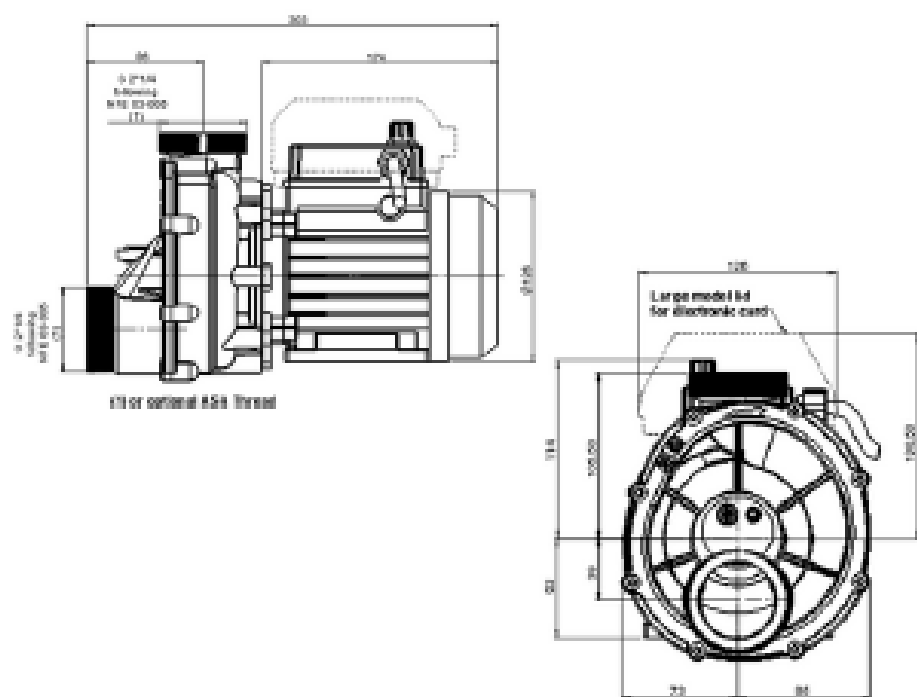
Pump for whirlpool baths
and showers

TECHNICAL FEATURES

- Pump body in polypropylene
- Insulation class 1
- Complete draining (0 retention)
- Complete electric isolation on the driving shaft sleeve



Type	Electric power (W)	Pmax (bar)	Max flow (m³/h)	Pmin (bar)
ATL3 460 R	460	0.72	14.4	0.13
ATL3 560 R	560	0.85	16.8	0.21
ATL3 900 R	860	1.09	21.6	0.33



Options :

- 230 V / 50 Hz ou 220 V / 60 Hz ou 110 V / 60 Hz
- Pneumatic switch (CP)
- Electric cable (EC) 0.5 / 1 / 1.5 / 2 / 2.5m
- Double switch

General :

These pumps comply with the standards and directives in force
Conform to standards
EN 60 335 - 1
EN 60 335 - 2 - 41
CE

Options

230 V / 50 Hz
220 V / 60 Hz
110 V / 60 Hz

Multi-speed 130 V / 230 V for ATL2 900 G4B (MV)

Pneumatic switch (CP)

Electric cable (EC)
0.5 / 1 / 1.5 / 2 / 2.5m

1 function electronic card for electronic keypad
+ water level sensor (1F-EL)

1 function electronic card for pneumatic controller
+ water level sensor (1F-CP)

Other card on demand

Double switch

Terminal box

Available with body type N/L

General

These pumps comply with the standards and directives in force

Conform to standards
EN 60 335 - 1
EN 60 335 - 2 - 41
CE

	Types	Ref.	Illustrations
Tee Pump Fittings	Tee pump Ø 33.7 (thread 2") Tee pump Ø 32 (thread 2"1/4) Tee pump Ø 25 grooved	1112330007 1112320007 1112250007	
	Tee pump «Y» Ø 25	0313630001	
Pump Union Fittings	Pump union Ø 48 (thread ASA) Pump union Ø 50 (thread ASA) Pump union Ø 50 (thread 2"1/4) Pump union Ø 40 (thread 2")	1112000008 1112230048 1112230018 1112230028	
	Pump union elbow 90° Ø 50 (thread 2"1/4) <i>ASA on demand</i>	1112590027	
	Pump union elbow 45° Ø 50 <i>ASA on demand</i>	1112541007	
Leg for jet pump	Silent block (x4) Silent Block Ø 20 / H 20 Silent Block Ø 20 / H 30	2417041018 2417000018 2417300018	
Bracket	Bracket (only for 560W and 700W)	2477280001	



Pump PB N

High performance pump

Applications

Pump for whirlpool baths with strong capacity

Pump designed for electronic variation

Technical Features

0 to 20 m³/hr
0 to 1.7 bar

Pump body in polypropylene
Compactness
Complete draining

5 connection box positions

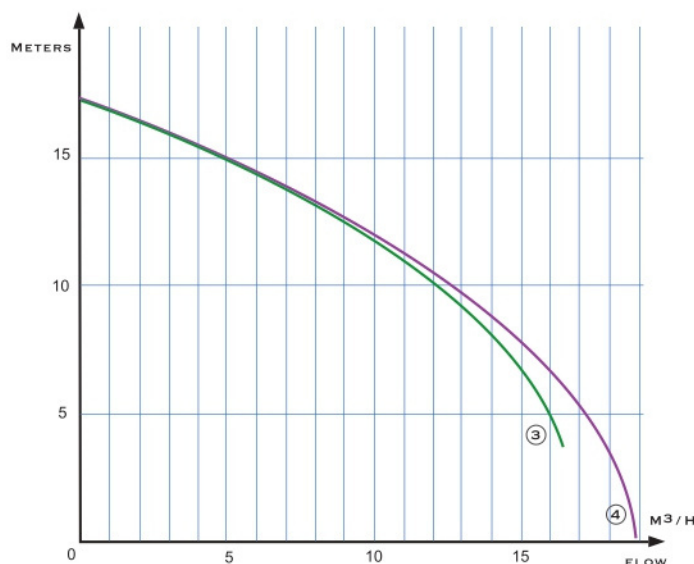
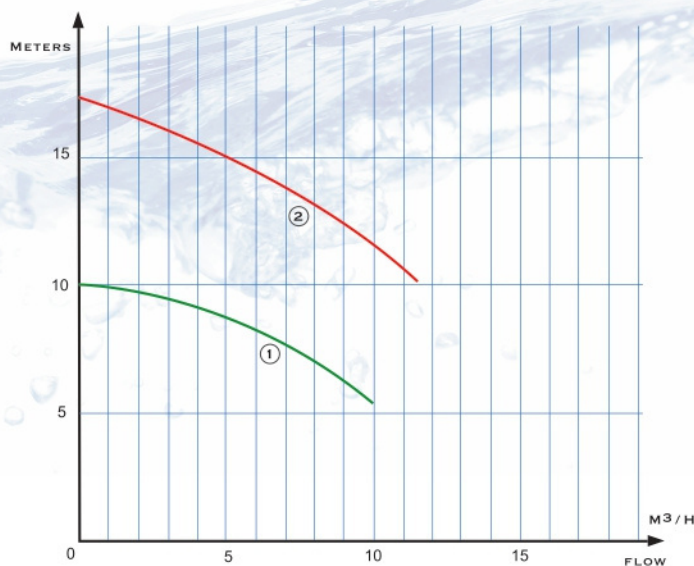
Inlet :

Ø Ext. G2"1/4 male - Ø Int. 50
or threaded ASA

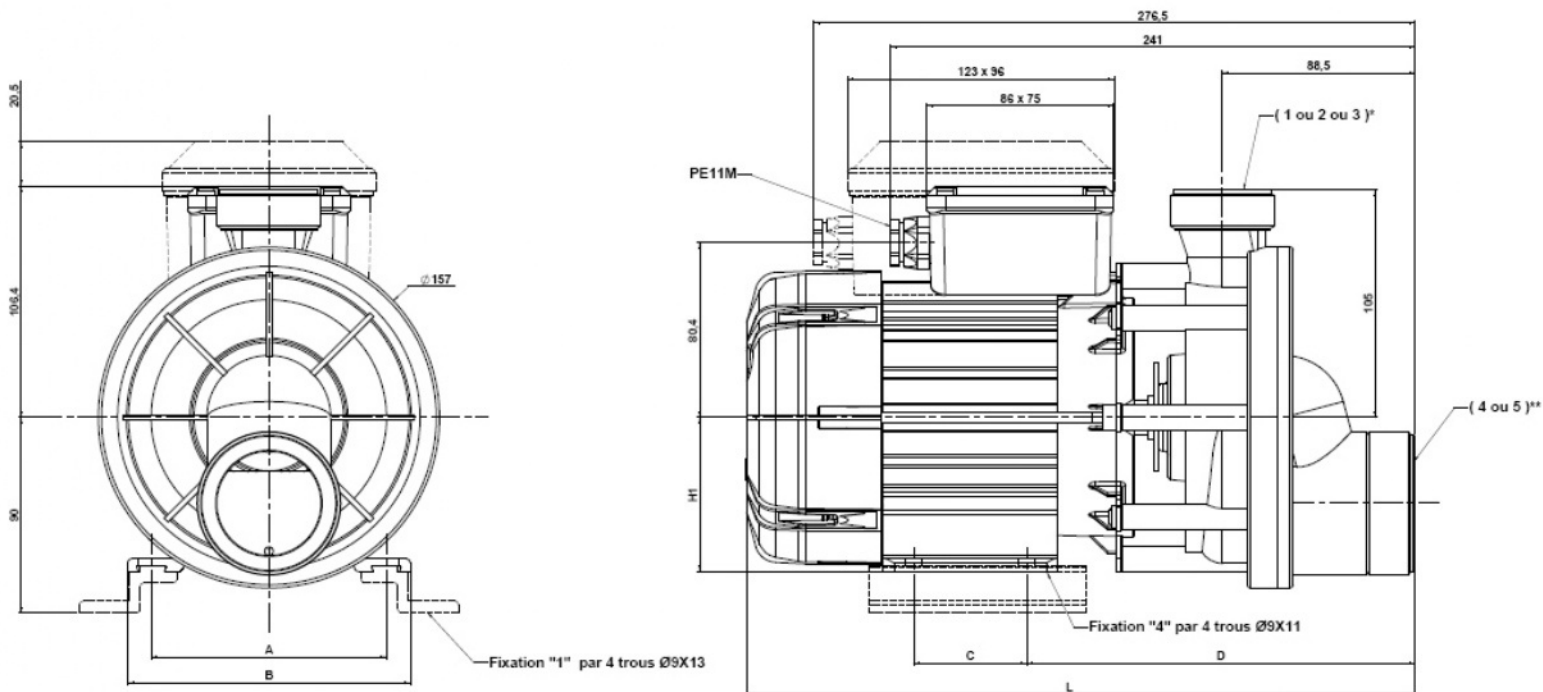
Outlet :

Ø Ext. G1"1/2 male - Ø Int. 32
Ø Ext. G2"1/4 male - Ø Int. 50
or threaded ASA

Single Phase Type	Electric Power (W)	L (mm)	Weight (Kg)	Curve
PB 1C 250 N4B	560	285.5	6.6	1
PB 1C 270 N4B	900	305.5	8	2
PB 1C 285 N4B	1150	320.5	9	3
PB 1C 80 N4B	1350	342.5	10	4



TUV CERTIFICATE



	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	H1 (mm)	H2 (mm)
PB 1C 250 PB 3 250	287.2	108	130	32	220.5	71	178.5
PB 1C 270 PB 3 270	307.2	108	130	52	220.5	71	178.5
PB 1C 285 PB 3 285	322.2	108	130	67	220.5	71	178.5
PB 1C 80 PB 3 80	337.2	125	147	100	219	80	173

Options

220 V / 50 Hz
220 V / 60 Hz
110 V / 60 Hz

Variable speed :
130 V to 230 V (MV)

Pneumatic switch (CP)

Electric cable
0,5 / 1 / 1,5 / 2 / 2,5 m

1 function electric card for electric control
+ water level sensor (1F-EL)

1 function electric card for pneumatic
control + water level sensor (1F-CP)

General

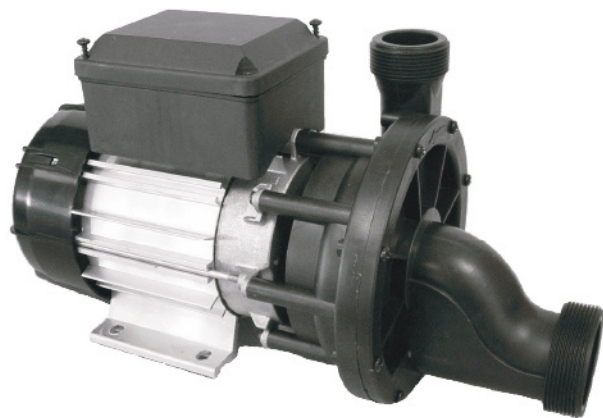
These pumps comply with the standards
and directives in force

Conform to standards :
EN 60 335-1
EN 60 335-2-41

According to the CE regulation

Validated and qualified by the
organization TÜV

	Types	Ref.	Illustrations
Tee Pump Fittings	Tee pump Ø 33.7 (thread 2") Tee pump Ø 32 (thread 2"1/4) Tee pump Ø 25 grooved	1112330007 1112320007 1112250007	
	Tee pump «Y» Ø 25	0313630001	
Pump Union Fittings	Pump union Ø 48 (thread ASA) Pump union Ø 50 (thread ASA) Pump union Ø 50 (thread 2"1/4) Pump union Ø 40 (thread 2")	1112000008 1112230048 1112230018 1112230028	
	Pump union elbow 90° Ø 50 (thread 2"1/4) <i>ASA on demand</i>	1112590027	
	Pump union elbow 45° Ø 50 <i>ASA on demand</i>	1112541007	
Leg for jet pump	Silent block (x4) Silent Block Ø 20 / H 20 Silent Block Ø 20 / H 30	2417041018 2417000018 2417300018	



Pump PB L

High flow pump

Applications

Pump for whirlpool baths with strong capacity

Pump designed for electronic variation

Technical Features

0 to 30 m³/hr
0 to 1,7 bar

Pump body in polypropylene
Complete draining

8 discharge positions
5 connection box positions

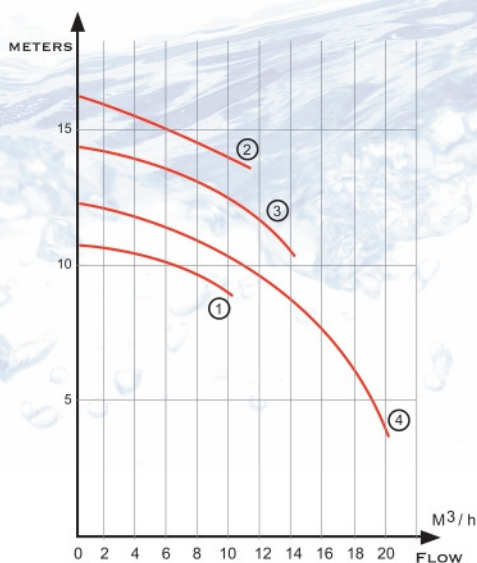
Inlet (threaded) :

Ø Ext. G2" male - Ø Int. 40
Ø Ext. G2"1/4 male - Ø Int. 50

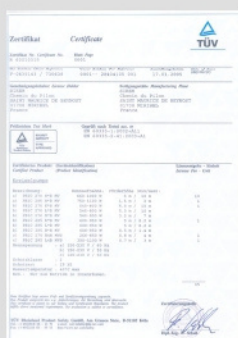
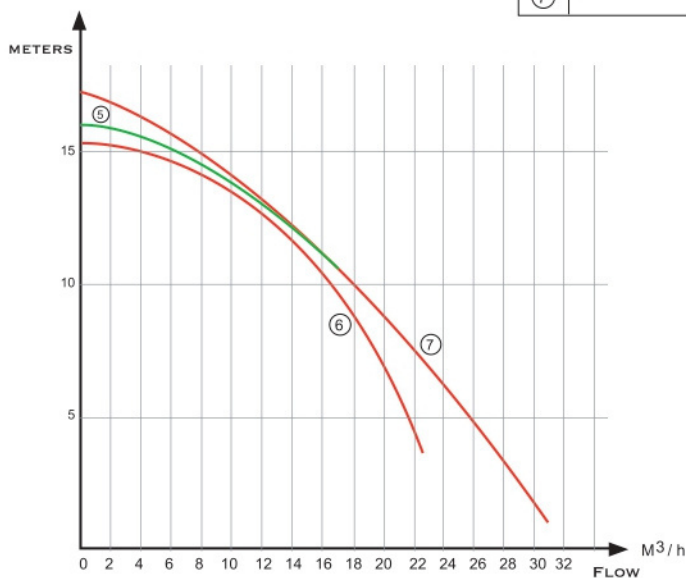
Outlet :

Ø Ext. G1"1/2 male - Ø Int. 32
Ø Ext. G2" male - Ø Int. 40
Ø Ext. G2"1/4 male

Single Phase Type	Electric Power (W)	L (mm)	Weight (Kg)
PB 1C 250 L4B	560	331	6.6
PB 1C 270 L4B	900	351	8
PB 1C 285 L4B	1150	366	9
PB 1C 80 L1B	1350	388	10



①	PB 1C 250 LB	Imperler / Turbine Ø 88
②		Imperler / Turbine Ø 107
③	PB 1C 270 LB	Imperler / Turbine Ø 100
④		Imperler / Turbine Ø 93
⑤	PB 1C 285 LB	Imperler / Turbine Ø 107
⑥		Imperler / Turbine Ø 100
⑦	PB 1C 80 LB	Imperler / Turbine Ø 107



TUV CERTIFICATE

POMPE PB K



● ● ● SPA FILTRATION PUMP

APPLICATIONS

SPA FILTRATION PUMP

TECHNICAL FEATURES

POMPE BODY IN POLYPROPYLENE

INSULATION CLASS 1

COMPLETE ELECTRIC ISOLATION ON THE
DRIVING SHAFT SLEEVE

INLET :

Ø EXT. G2" 1/4 MALE
WITH ØINT. 50 OR 1" 1/2 FITTING

OUTLET :

Ø EXT. G2" 1/4 MALE
WITH ØINT. 50 OR 1" 1/2 FITTING

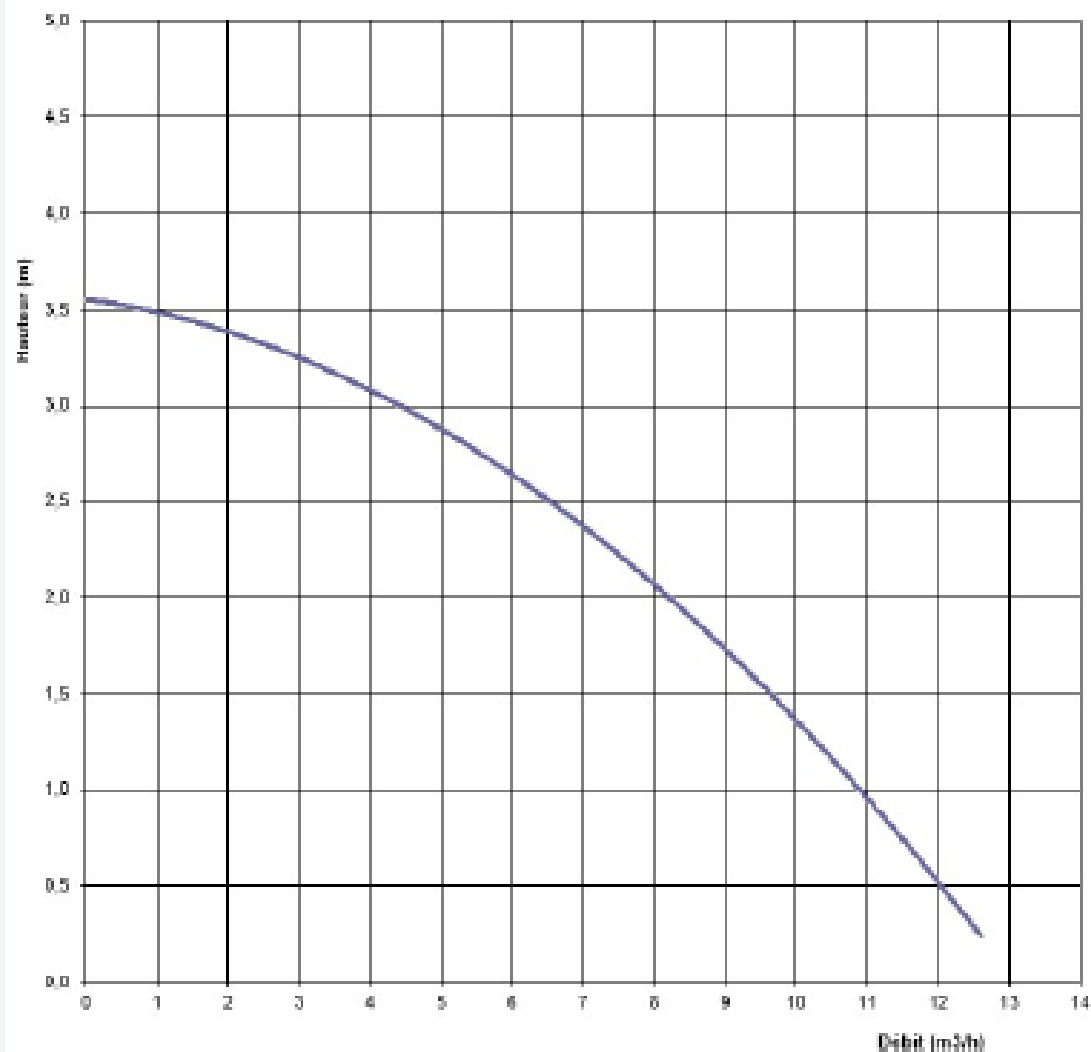
AUTOMATIC MOTOR THERMAL CUT-OUT TO
155°C +/- 5°C

Using RESTRICTION :

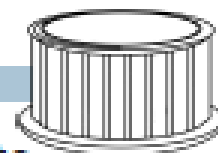
MAXIMUM INPUT PRESSURE :
2,5 BAR

MAXIMUM WATER TEMPERATURE : 40°C

TYPE	PUISSANCE ABSORBÉE P1 (WATTS)	DEBIT MAX (M3/H)	HMIN (M)
PB 1C450 K1B	218	12.6	0



	Tension Fréquence	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	H1 (mm)	H2 (mm)
PB 1C450 K1B	230V - 50Hz	278	108	130	32	160.5	71	177.5
	220V - 60Hz							

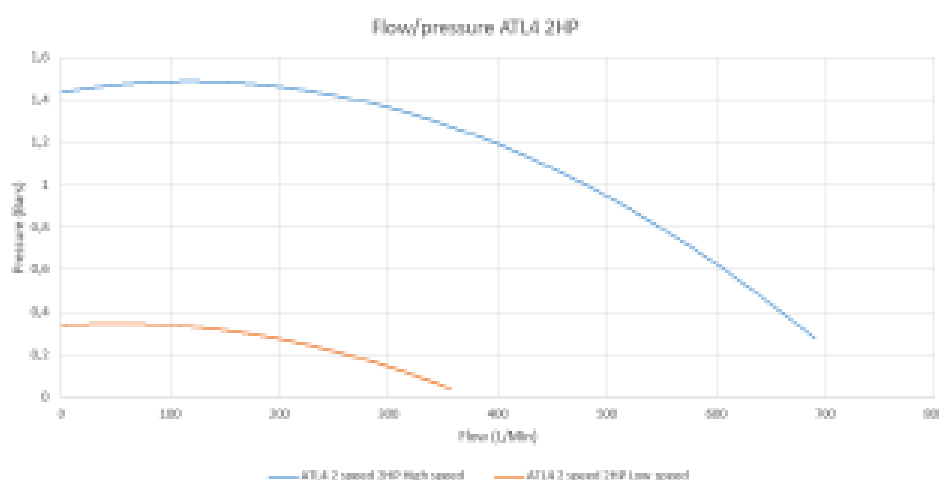


APPLICATIONS

- Hydromassage pump for spas
- Counter current swimming pump for pool et spas

TECHNICAL FEATURES

- Pump body in polypropylene
- Available in mono et bi-speed
- Complete Draining
- 230V - 50Hz
- IPX5 Protection
- Insulation class F



Type

Watt

Max flow (l/min)

A

ATL4 2HP mono-vitesse

1660

690

7.5

Type

Watt

Max flow (l/min)

A

ATL4 2HP bi-vitesse High speed

1660

690

7.6

ATL4 2HP bi-vitesse Low speed

380

357

1.6

OPTIONS

- Electronics cables and connector on demand
- Ø63mm connector available on demand
- Delivery with seals, collars and nuts for inlet and outlet, with Ø60mm connector.

GENERAL

- These pumps comply the standards and directives in force
- Conform to standards:
EN 60 335-1
EN 60 335-2-41
- According to the CE regulation

Pump PC

The economical pump



Applications

Pump specially designed for economical whirlpool system

Technical features

230V - 50 Hz

Motor : 580 W

Up to 17 m³/h

Delivered with :

Pneumatic switch (CP)

Tee pump fittings Ø32 or Ø25

Pump union fittings Ø Int. 50.3mm

Electrical cable 1m

Inlet (threaded) :

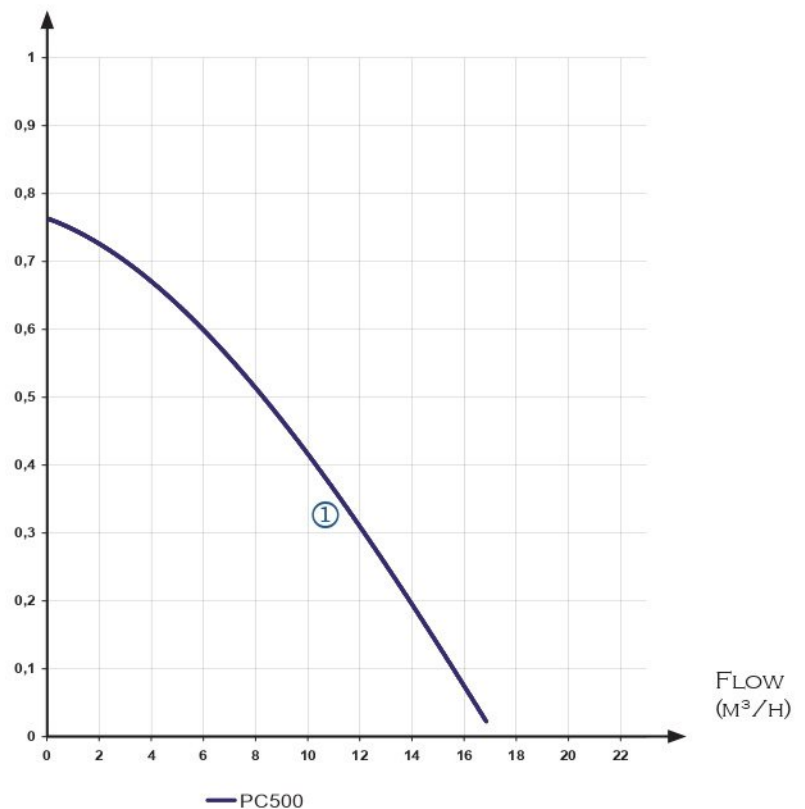
Ø Ext. G2»1/4 male - Ø Int. 50,5 mm

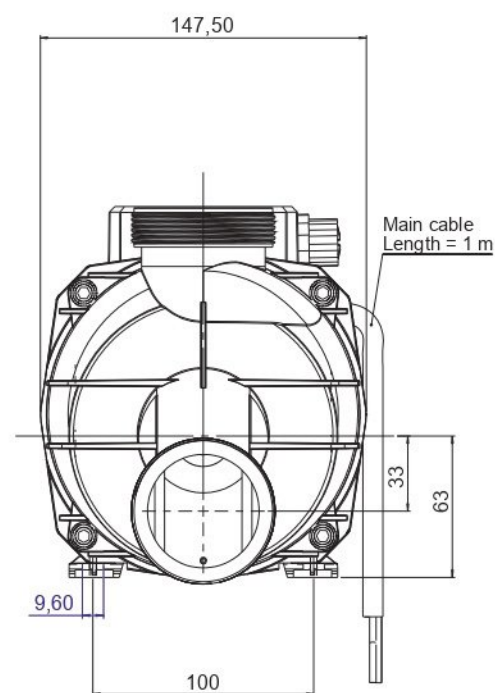
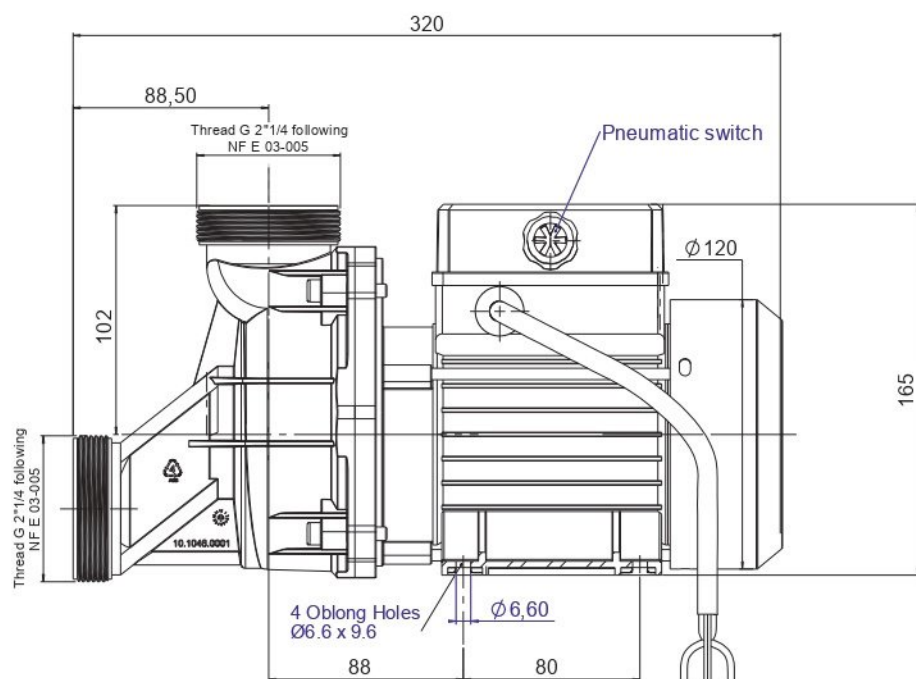
Outlet :

Ø Ext. G2»1/4 male - Ø Int. 50,5 mm

Single Phase Type	Electric Power (W)	L (mm)	Weight (Kg)
PC 500	580	320	5.0

PRESSURE
(BAR)





Options

Silent block kit (4legs)
12 month warranty

Minimum ordering by 100 units

General

These pumps comply with the standards
and directives in force

Conform to standards :
EN 60 335-1
EN 60 335-2-41

According to the CE regulation

Validated and qualified by the
organization TÜV

	Types	Ref.	Illustrations
Tee Pump Fittings	Tee pump Ø 33.7 (thread 2") Tee pump Ø 32 (thread 2"1/4) Tee pump Ø 25 grooved	1112330007 1112320007 1112250007	
	Tee pump «Y» Ø 25	0313630001	
Pump Union Fittings	Pump union Ø 48 (thread ASA) Pump union Ø 50 (thread ASA) Pump union Ø 50 (thread 2"1/4) Pump union Ø 40 (thread 2")	1112000008 1112230048 1112230018 1112230028	
	Pump union elbow 90° Ø 50 (thread 2"1/4) <i>ASA on demand</i>	1112590007	
	Pump union elbow 45° Ø 50 <i>ASA on demand</i>	1112540007	
Leg for jet pump	Silent block (x4) Silent Block Ø 20 / H 20 Silent Block Ø 20 / H 30	2417041018 2417000018 2417300018	



Drain pump

The waterproof pump

Model	Electric Power (W)	Current (A)	Max Flow (M ³ /hr)	Hmin (m)	Weight (kg)
STP -1212 - 6E	90	0,8	6,5	1	1,72

Applications

Applicable in drainage of bathtub, sauna, swimming pool and spa, especially the baby tub and tub for old

Applicable in drainage of foot tub and massage chair

Applicable in drainage or spray of hot spring, spa and landscape

The characteristic and Safety guard

Completely separating electricity from water, ensuring the safety of human

Synchronous motor equipped with permanent magnetism system, efficient, energy saving and eco-friendly

Equipped with double-sheet-metal automatic reset thermal protection system, ensuring the safety

Epoxy resin as embedment, with safety guaranteed

Cold water circulation makes motor run in a constant temperature, prolonging its lifespan.

Good designation makes noise below <50dB

The moving part using high strength wear-resistant materials, operating life of work more than 8000h

High resilience. Diameter and direction of water inlet and outlet can be adjusted upon user's requirements

Reasonable designation makes product high energy efficiency ratio, high lift, large flow, low power consumption

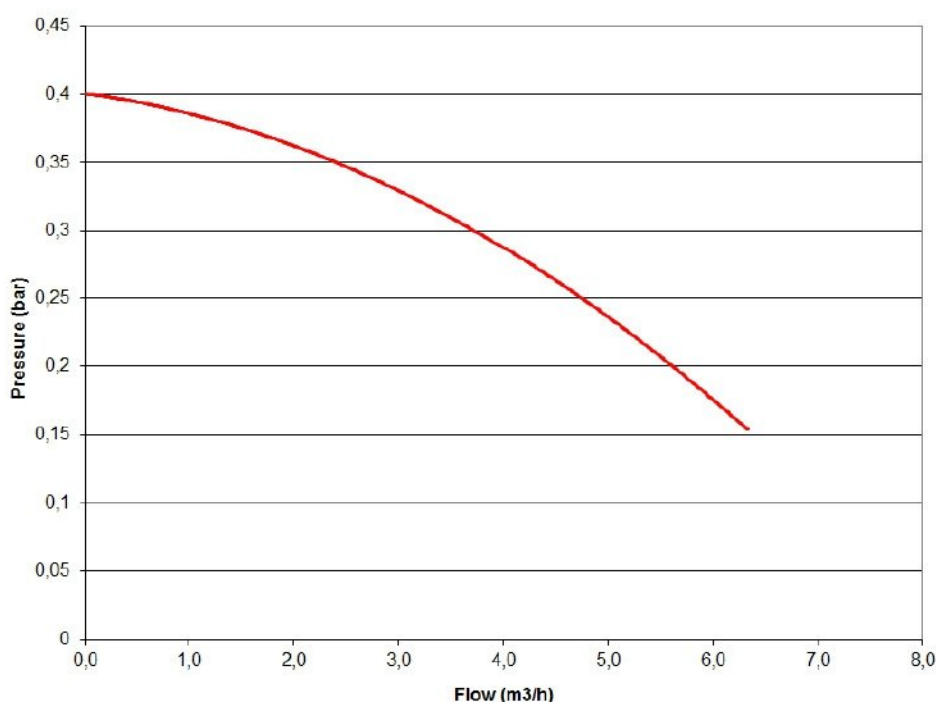
Qualified the certification of CE, TUV, GS, RoHS

Flaming retardant of the electric part : Level UL94 V-0

Insulation class : level F

Waterproof : IPX7

Performances



Technical parameters

Input Voltage : 220V-240V/50Hz or 110V-127V/60Hz

Lift : 6.0 m

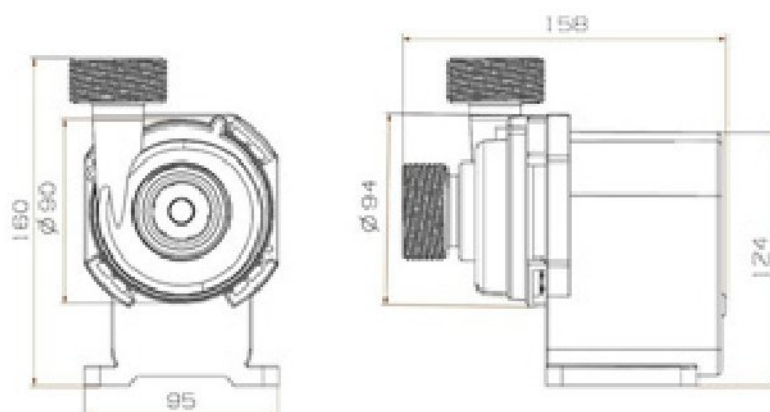
Flow : 110 L/min

Outlet of the screw diameter : 47.4 mm

Temperature : <50°C

Temperature of water in transportation 5-70°C

Storage temperature : Room temperature - 85°C, Humidity : 5-95%



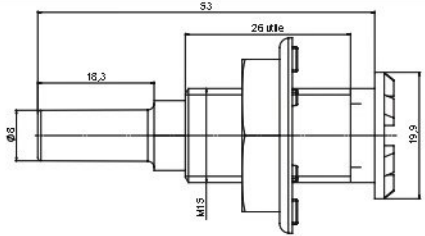
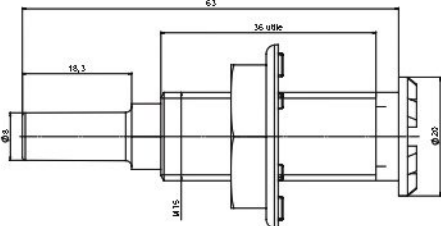
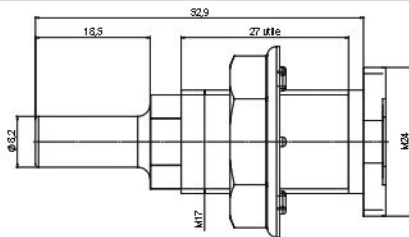
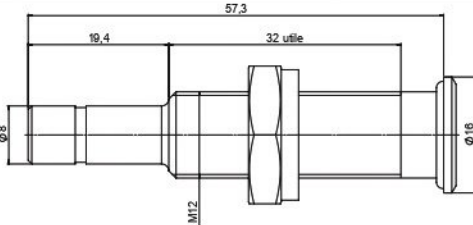
THE AIR JETS





Air jet

When massage becomes caress

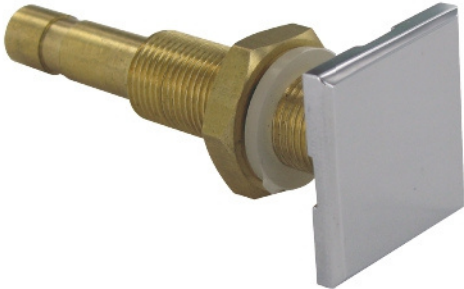
Ref	Bodies	Drawings	Technical Features
0621151000	 Short version Ø15		
0621151001	 Long version Ø15		
3421000017	 Version Ø17		
0623120001	 Brass		

	FACES LATERAL	FACES 1 HOLE	FACES 3 HOLES	FACES 4 HOLES	FACES 7 HOLES
	 4121151003	 4121151013	 4121151033	 4121151043	 4121151073 - Ø15 4121171003 - Ø17
 0621151000	0621151003	0621151013	0621151033	0621151043	0621151073
 0621151001	0621151003-1	0621151013-1	0621151033-1	0621151043-1	0621151073-1
 3421000017	/	/	/	/	0621171003
 0623120001	0623000023	0623000033	/	/	/

Air jet

Our new products

- Brass made of
- Flat version :
 - Drilling diameter 13,6 mm
 - Face 19 mm
 - Thickness 1,5 mm
- Square version :
 - Drilling diameter 11,6 mm
 - Face 26mm
 - Thickness 3,5mm

FLAT VERSION	SQUARE VERSION
 Flat version lateral discharge - 0623000053	 Square version - lateral discharge - 0623000103
 Flat version 1 hole - 0623000043	 Square version - 16 holes - 0623000113
 Flat version 7 holes - 0623000063	

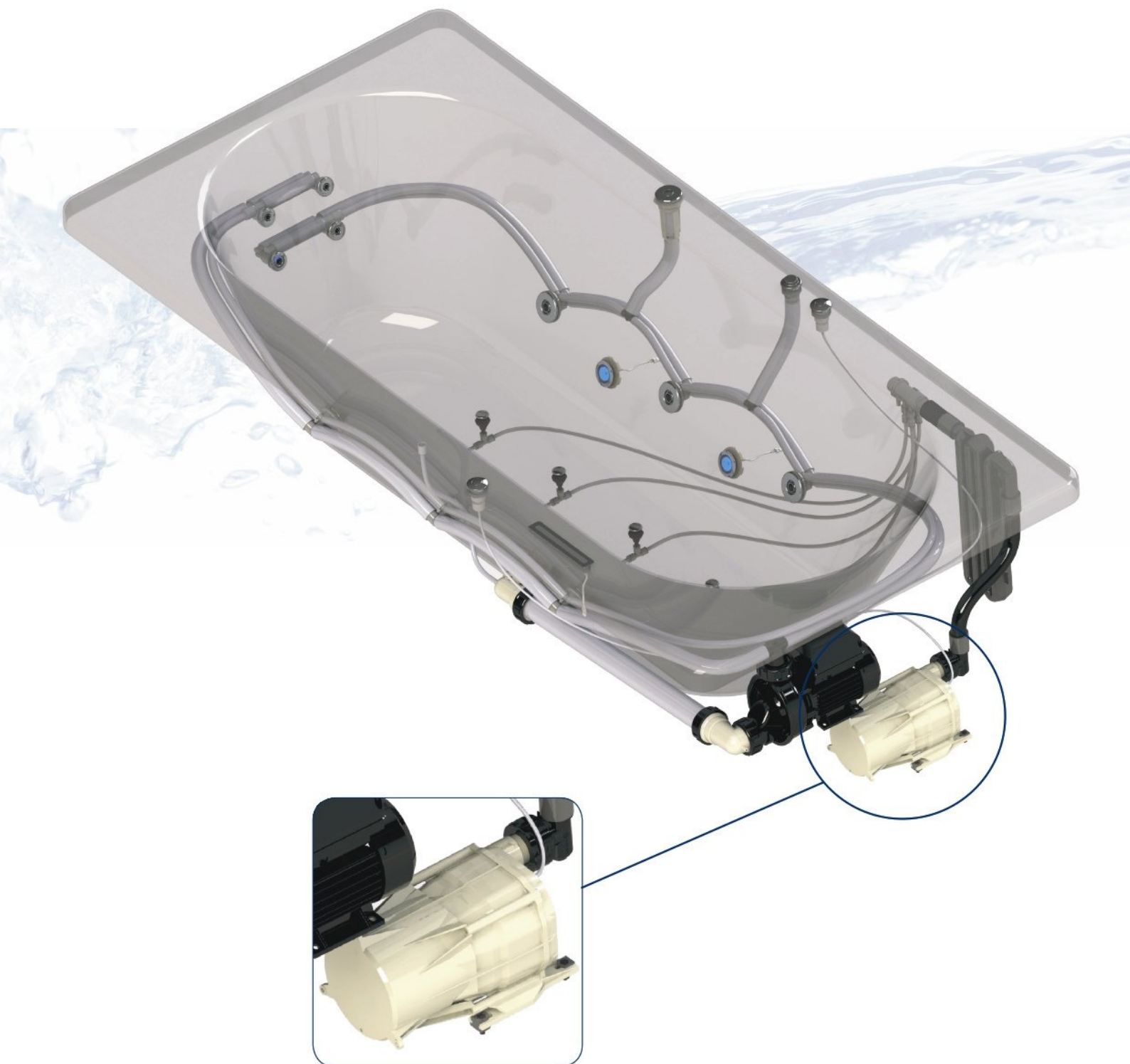
Air jets

Accessories

	Types	Ref.	Illustrations
EASY CONNECTORS Ø8	Straight quick connector Ø8	1122081008	
	Elbow quick connector Ø8	1122001018	
	Tee quick connector Ø8	1122001098	
	«Y» quick connector Ø8	1122380018	
DISTRIBUTORS Ø32	Air distributor 12 exits	1022120008	
	Air distributor 32 exits	1022320008	
	Air distributor 6 exits*	1021060002	
NON RETURN VALVE Ø32	PVC non return valve Ø32	4027320021	
SAFETY LOOP Ø32	Rigid safety loop Ø32 long version	4027320007	
	Rigid safety loop Ø32 short version	4027320017	
METAL CABLE STRAP	Metal clamp for air pipe Ø42.5	1227420008	
AIR PIPE	Air pipe Ø8	0822080002	
	Air pipe Ø32 with rubber fittings ¹ (ref - length in mm)	0827340007- ¹	
	Straight rubber fitting for air pipe Ø32	1127340007	
	Elbow rubber fitting for air pipe Ø32	1127340017	
	Air pipe Ø32 without rubber fittings	0827340007	

* : possibility to fit together several distributors (without glue)

THE BLOWERS





Low noise version

Blowers

The power of technology in silence

Applications

Specially designed for air or mixed whirlpool systems

Technical Features

The less noisy : <69.5dBa to 80 mBar
High powerful - High flow :
Blower A-500 : 36 m³/h to 80 mBar
Blower A-700 : 54 m³/h to 80 mBar
Blower A-900 : 85 m³/h to 80 mBar

4 silent blocks included («neoprene»)

Protection class II

Grooved or to be stuck outlet fittings

IP X5 in horizontal position

Blower A-500

Motor : 500 W

Heating option : 300W

Total power with heater : 800W

Blower A-700

Motor : 700 W

Heating option : 300W

Total power with heater : 1000W

Blower A-900

Motor : 900 W

Heating option : 300W

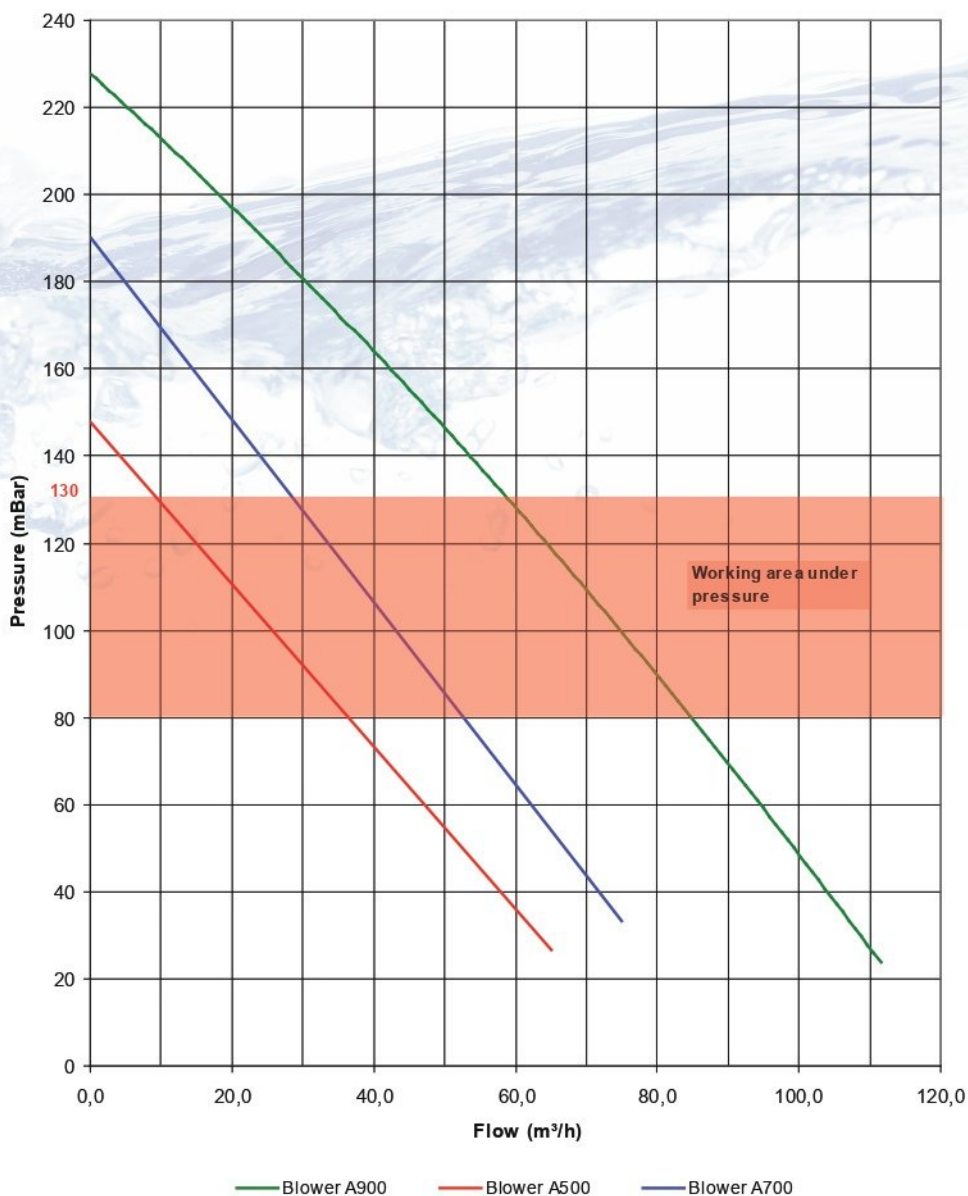
Total power with heater : 1200W



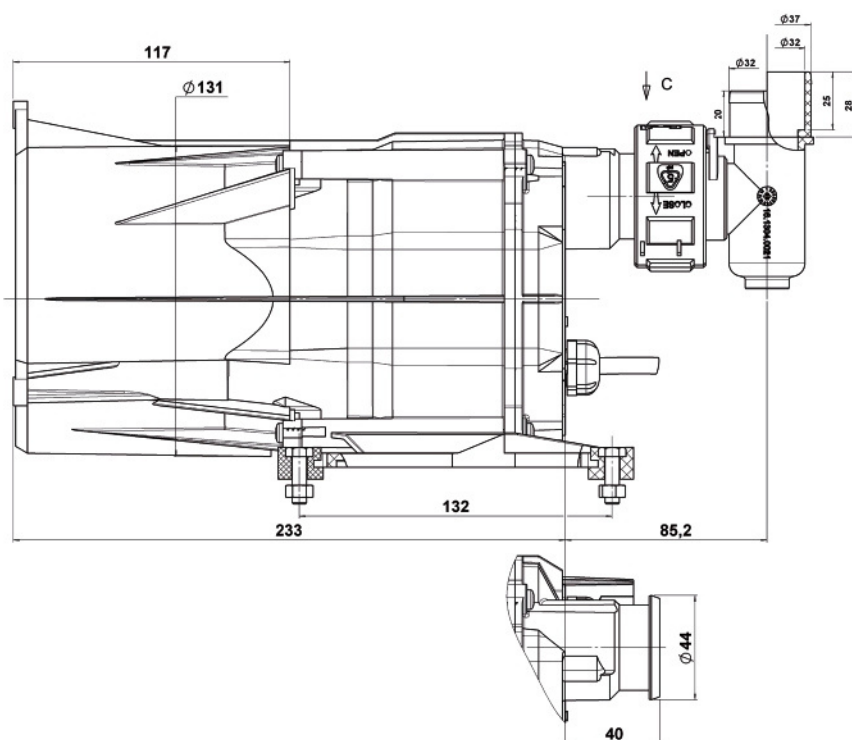
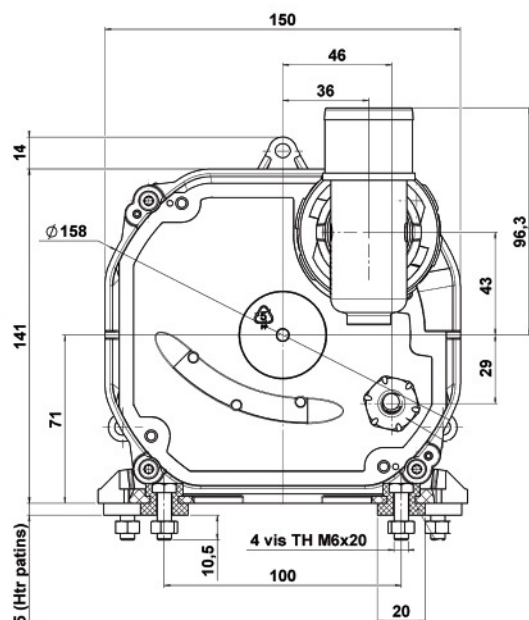
TUV CERTIFICATE

OPTIONS (possible to combine each option)

HEATER «R»	- Electric power 300 watts - Overload temperature : 80°C +/- -5°C - Fuse thermal overload protection : 117°C +/- 5°C
OZONE LAMP «L» (printed circuit)	- Electric supply : 2,6 watts - Intensity : 12mA
PNEUMATIC SWITCH «SA»	- Start pressure : 80mBar +/- 3 mBar - Stop pressure : 110mBar +/- 3mBar



	Ref. Blower (black)	Ref. Blower low noise (white)
Blower A-500	0050000500	0051000500
Blower A-700	0070000500	0071000500
Blower A-900	0090100500	0091100500



Options

220 V / 50 Hz

220 V / 60 Hz

110 V / 60 Hz

Variable speed :

130 V to 230 V (MV)

Pneumatic switch (CP)

Electric cable

0,5 / 1 / 1,5 / 2 / 2,5 m

1 function electric card for electric control
+ water level sensor (1F-EL)

1 function electric card for pneumatic
control + water level sensor (1F-CP)

General

These blowers comply with the
standards and directives in force

Conform to standards :

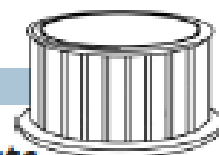
EN 60 335-1

EN 60 335-2-41

According to the CE regulation

Validated and qualified by the
organization TÜV

ACCESSORIES	Descriptions	Ref	Illustrations
TEE	Tee Ø32 + nut + o'ring	1113042021	
	Tee Ø37 + nut + o'ring	1113042011	
PIPE	Air pipe Ø32 with rubber fittings ¹ (ref - length in mm)	0827340007- ¹	
	Air pipe Ø32 without rubber fittings	0827340007	
	Straight rubber fitting for air pipe Ø32	1127340007	
	Elbow rubber fitting for air pipe Ø32	1127340017	
SILENT BLOCK	Silent block	2413030001	
	Silent block Ø20 - H20 threaded M6	2417000009	
	Pack of 4 silent block	2417041018	



APPLICATIONS

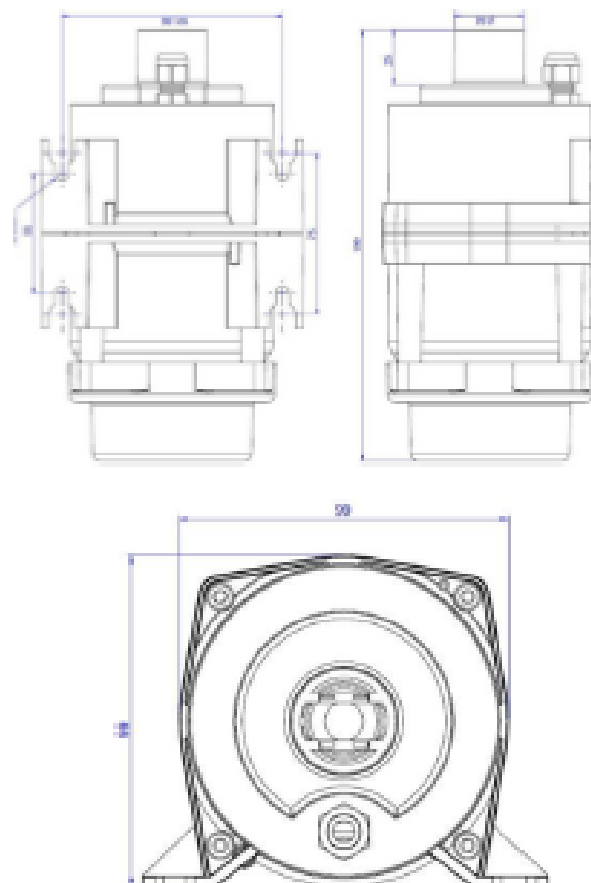
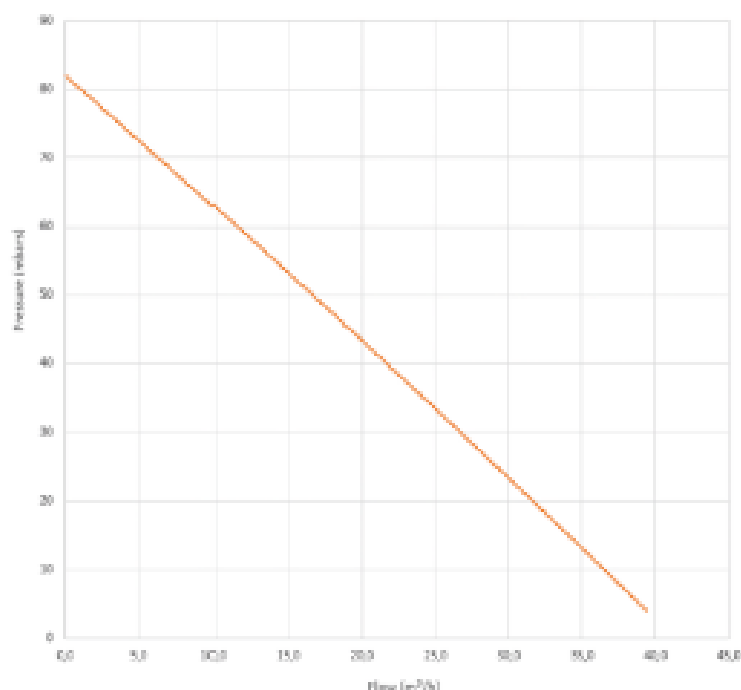
Specially designed for air or mixed whirlpool systems

TECHNICAL FEATURES

- Make low noise : <69.5dBa to 50 mBar
- 4 silent blocks included ("neoprene")
- Protection class II
- Grooved or to be stuck outlet fittings
- IP X5 in horizontal position



Type	Motor	Total power
Blower H-220	220 W	220 W



General :

These blowers comply with the standards and directives in force
 Conform to standards
 EN 60 335 - 1
 EN 60 335 - 2 - 41
 According to the CE regulation

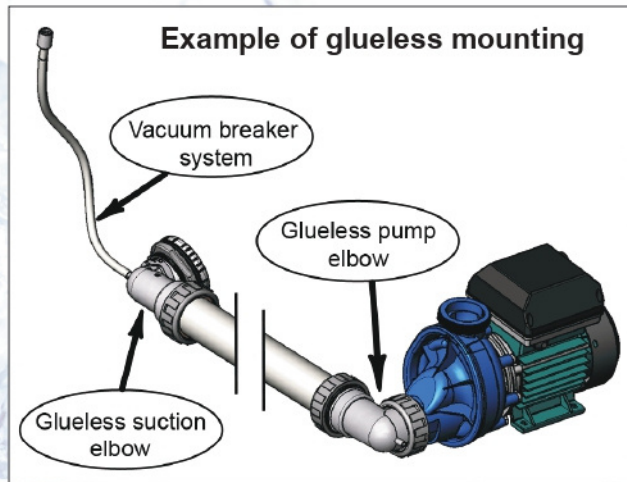
Suction, Air controls, Pneumatic controllers, Disinfection, Aromatherapy, Pillows and Handles



Suction

Standard suction & glueless suction

Description	With standard faces Ø86	With premium faces Ø105	With brass faces Ø70
Standard Ø50	 0911511003 (clipped face version) 0911511003-2 (screwed face version)	 0911513003	 060913512013
Glueless and without retention Ø50	 0911611003 (clipped face version) 0911611003-2 (screwed face version)	 0911613003	/



Standard suction

In option you can add :

- wallfitting O'Ring (no silicone)
- vacuum breaker system (safe)

Glueless suction

Designed for glueless application

No water retention

In option you can add :

- wallfitting O'ring (no silicone)
- 90° glueless pump elbow Ø50-50 (no glue)
- vacuum breaker system (safe)

	Types	Ref.	Illustrations
FITTING	90° glueless pump elbow Ø50-50 (no glue)	111611001	
O'RING	Wallfitting O'ring (no silicone)	2917600001	
VACUUM BREAKER SYSTEM	Vacuum breaker system 560 W	0927081011	
	Vacuum breaker system 900 W	0927081001	
	Vacuum breaker system 1150 W	0927081021	
	Clamp for vacuum breaker system	1227000008	
TOOL	Tool for standard suction	3012000028	

Air Controls

Description	References	Illustrations	Features
ALTA SILENT AIR CONTROL (+ / -) (ZAMAK)	Ø40 13.15.00.00.03-1 3/8 13.15.00.00.03 1/4		COMPLETE DRAINING : ¼ or 3/8 Turn adjustable ABS or ZAMAK Non Return Valve SILENT AIR : Air suction below Flap-top edge DIFFERENT COLOURS
MONACO SILENT AIR CONTROL (+ / -) (ZAMAK)	Ø40 13.15.00.00.23-1 3/8 13.15.00.00.23 1/4		
STANDARD SILENT AIR CONTROL (+ / -) (ABS)	Ø44 13.12.00.10.03-1 1/4		
FLOWER SILENT AIR CONTROL (+ / -) (ABS)	Ø44 13.12.00.10.13-1 1/4		
MOD 3 SILENT AIR CONTROL (+ / -) (ABS)	Ø44 13.12.00.10.23 1/4		
MOD 4 SILENT AIR CONTROL (+ / -) (ABS)	Ø44 13.12.00.10.43 -1 1/4		
PREMIUM SILENT AIR CONTROL (+ / -) (ABS)	Ø44 13.12.00.10.33 1/4		

Pneumatic Controllers

Description	References	Illustrations	Features
ALTA PNEUMATIC CONTROLLER (ZAMAK)	Ø40 20.35.00.00.03-1		COMPLETE DRAINING : ABS or ZAMAK DIFFERENT COLOURS
MONACO PNEUMATIC CONTROLLER (ZAMAK)	Ø40 20.35.00.10.13-1		
STANDARD PNEUMATIC CONTROLLER (ABS)	Ø44 20.12.00.13.03-1		
PREMIUM PNEUMATIC CONTROLLER (ABS)	Ø44 20.12.00.15.03		
EYE BALL PNEUMATIC CONTROLLER (ABS)	Ø44 20.12.00.14.03-1		

Disinfection

ASD can provide you two types of complete disinfection set :

- solid (pills)
- liquid

You can also buy only spares as :

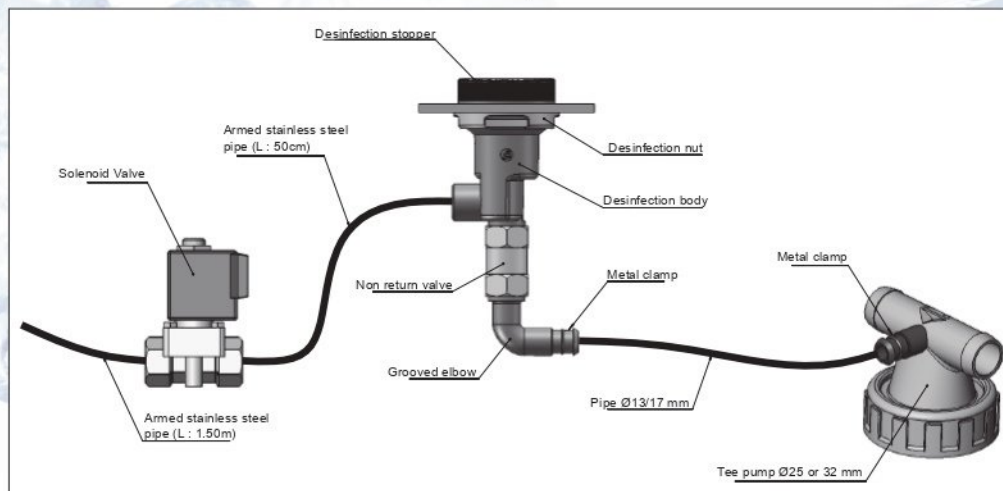
- Tank
- Pills container
- Solenoid valve (1/2" or 1/4")
- Non return valve (brass or plastic)
- Tee pump with inlet for disinfection connection
- All kind of connectors (elbow, straight, tee, smooth, grooved, threaded, ...)
- All kind of hoses (PVC, Armed, ...)

Both disinfection set can be controlled by electronic in two different ways :

- automatic disinfection
- manual disinfection (keypad)

For more information please contact us

Exemple of complete solid disinfection system* :



*Reference without Tee :
230V : 0767006013 C/C1

Exemple of complete liquid disinfection system* :



without vacuum breaker

with vacuum breaker

*Reference without suction elbow, connector and vacuum breaker

- 230V : 0767154003
- 12V : 0767155003

Aromatherapy

Enjoy your bath...
...When your sense of smell is source of pleasure

- Easy to install
- Easy to use
- 6 fragrances
- 2 different connections possible
- With or without non return valve



Relaxing
3377351003



Sensorial
3377350010



Tonic
3377351002



Calming
3377351004



Respiratory
3377350001

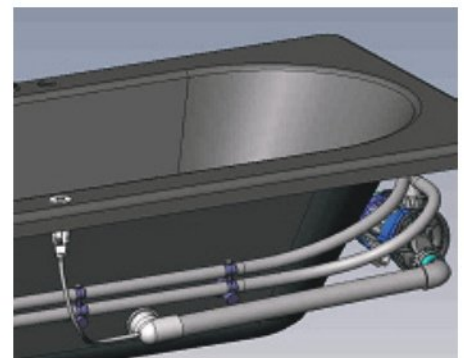
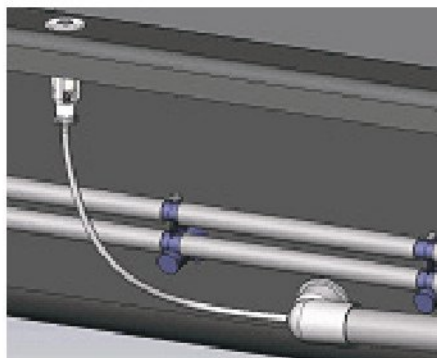


Refreshing
3377350005

Description

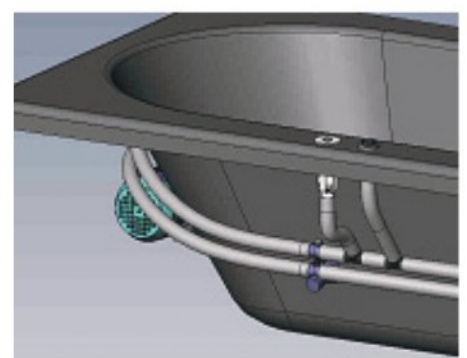
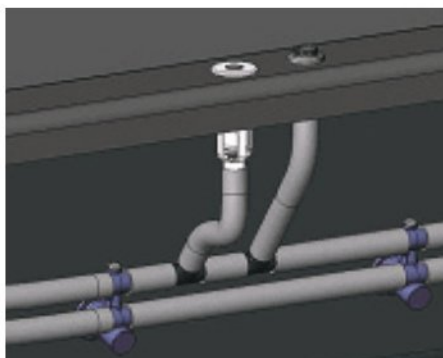
Illustrations

Connection to the suction elbow :
the vacuum breaker valve is integrated in the bottle support*



*4387081003 (without bottle)

Connection to the air venturi system :
a non return valve can be integrated in the bottle support*

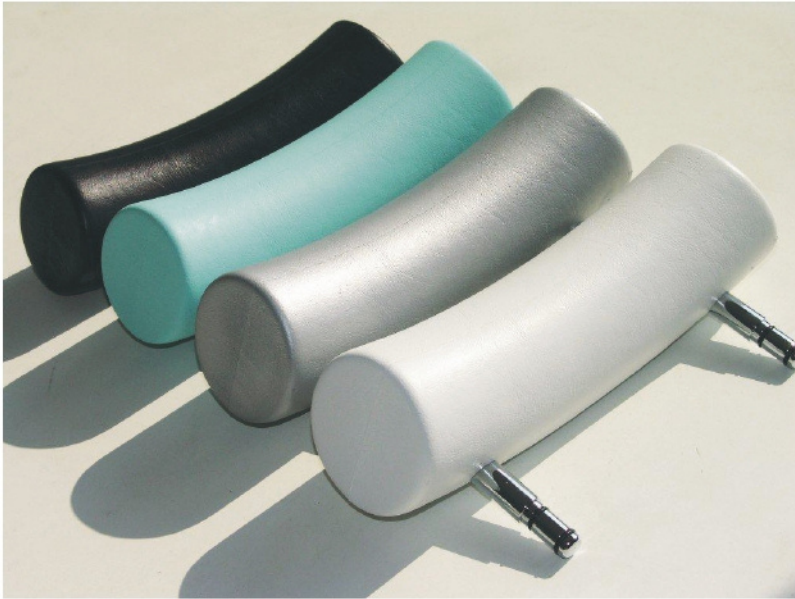


*4387253003 (without bottle)

*4387251003 (without bottle - with adaptation kit for venturi system)

Pillow and Handles

PILLOWS

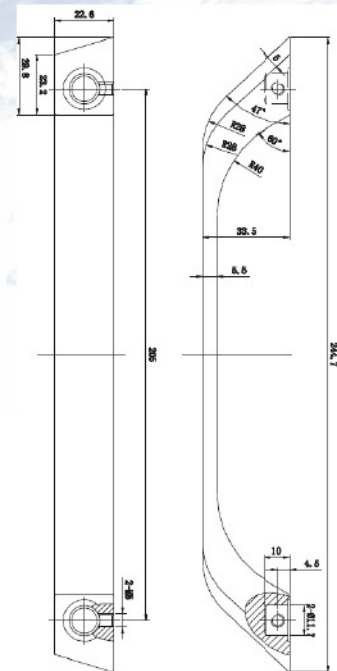


Full range of pillows, easily
customized
Different shapes, materials and
colours

HANDLES



Ref. : 2577000010



Full range of handles, easily
customized
Different shapes, materials and
colours

[illegible]

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