







Balboa Water Group

At Balboa Water Group, our fundamental commitment to the leisure water industry has been to provide a simple, comprehensive, one source solution to our products that include the highest quality in pumps, blowers, electronic control systems, jets, fittings and accessories. Our outlook has earned us the position of leading global supplier in our industry with state-of-the-art manufacturing, and an unsurpassed reputation for reliability. With nearly three decades of innovative design, expansion and development, BWG offers a complete line of products for your whirlpool bath or hot tub.

Balboa Water Group family of products includes the following global brands:

HydroAir and HydroAir International:

Supplies professional manufacturers (OEMs) of whirlpools and spas, system solutions, know-how and an extensive product range including pumps, blowers, hydrotherapy jets, electronic and pneumatic systems, underwater lights and other related articles. As the Balboa Water Group's European, Middle East and African branch, HydroAir International has an established reputation for superior quality and customer "service, with a powerful team of sales representatives and engineers to support its customers.

Balboa Instruments:

Is a global supplier of electronic control systems and accessories for the leisure water industry. The latest in innovative design and technology include a new generation of spa controls, LED spa lighting, a family of UV and CD spa ozone generators, wireless remotes, spa entertainment products and diagnostic tools.

GG Industries

GG Industries, with its engineers, designers, developers and tool makers second to none in our industry, is able to create unique, quality products, maintaining a reputation for being a world leader in innovation and design. Using state-of-the-art computer-based design tools, any product can be taken from concept to completion, providing leading edge solutions to customers across the globe.







Our outlook has earned us the position of leading global supplier in our industry with state-of-the-art manufacturing, and an unsurpassed reputation for reliability.









Certifications

We believe in working with other organization to meet quality standards that provide lasting results, and ultimately meet and exceed our standards for the highest quality and expertise for the leisure water industry.











.E

UL

NEMKO

VDE

Solutions & Services

We are fundamentally committed to customer satisfaction. Our customers know they can depend on us for quality, reliability and our exceptional performance standards. Balboa Water Group is proud to offer:



Personal Touch

We offer special customizations to create unique product looks and offerings to set our customers apart from the competition. Please call to inquire.



All in one kit

We offer specialized bundling capabilities that include everything our customers need for one bath all packed in one box.



Sales Support

Balboa Water Group is proud to offer an ongoing relationship between the OEMS and our customers where services are rendered throughout the product life cycle until the end of life. Our support includes warranty, upgrades and repair services.



Standard Product Offerings

We offer a wide range of products in chrome and various other colors, in both metric and imperial. Please call to inquire.



New Products



Slimline Jets

See our new series of air and hydromassage jets...

The jets are truly low profile - flush and unobtrusive. The ultra low profile is smooth to the touch and aesthitically pleaseing and matches our LED buttons and Slimlite LED lights perfectly!

See chapters 2. AIR SYSTEMS & 5. WATER JETS



HA7000 Blower

This is truly one of the most silent blowers on the market.....

You will not believe it, before you try it. Order a sample now!

See chapter 1. BLOWERS



Square Series

Try a new look!

This range of square hydromassage jets, air control and pneumatic button will make your bath look just that little bit different.

See chapters 5. WATER JETS, 6. AIR CONTROLS and 11. PNEUMATIC BUTTONS



String Lights

The String Lights can add that little extra to your bath or spa..

With the 6 brilliant colours and the colour transitition program, you can add a touch of exclusitivity to your whirlpool system.

See chapter 13. LIGHTS



HA400 Pump

A "new" pump to complete the range!

This is a "new" pump, based on previous pumps supplied by HydroAir/Balboa Water Group. We have taken all the best from the full range of HydroAir/Balboa Water Group pumps and put them into this model – the HA400! This pump completes our range of pumps for the bath industry.

See chapter 3. PUMPS



Table of Contents







2. AIR SYSTEMS



3. PUMPS



4 SUCTIONS



5. WATER JETS



6. AIR CONTROLS



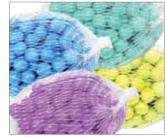
7. VALVES



8. MANIFOLDS



9. FITTINGS & HOSES



10. AROMATHERAPY



11. PNEUMATIC



12. ELECTRONICS



13. LIGHTS



14. HEATERS



15. OZONE



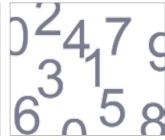
16. DRAIN/OVERFLOW



17. TOOLS

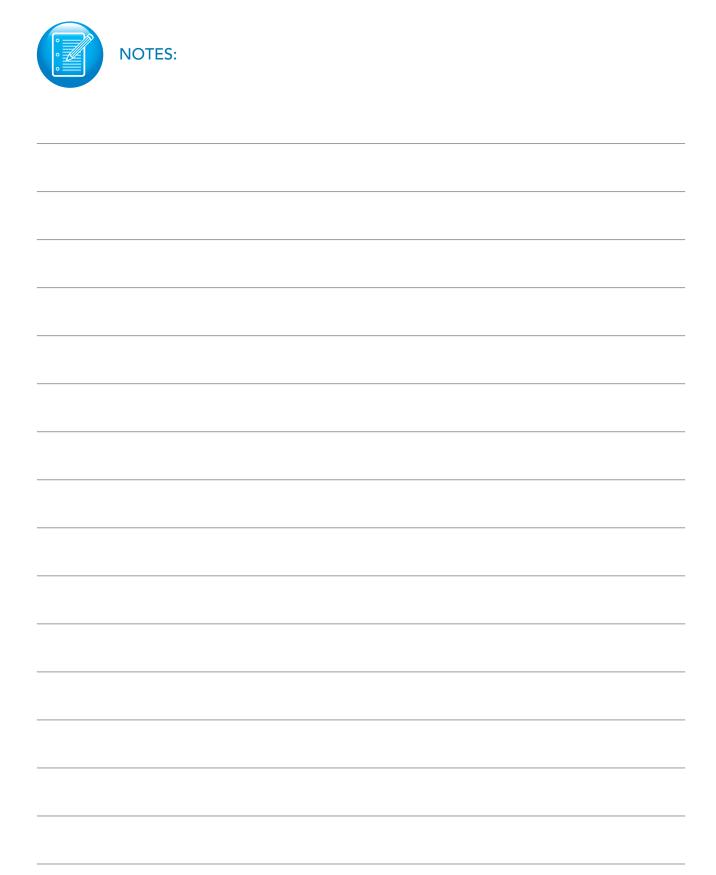


18. USEFULL INFO



19. INDEX









Your Single Source Solution







Genesis



FEATURES

- 3-speed models
- Automatic dry-out of air system
- Electronic and pneumatic models
- Excellent performance
- Supplied with 1.5 m cable
- Heater option
- Ingress protection: IP5
- Massage mode "pulsating effect"
- Recommended for variable speed control
- Silent running
- Uni-directional discharge port
- Variable speed controlled by "integrated electronic"

The ideal blower for baths

A unique combination of standard and sophisticated features.

The extensive Genesis range enables you to find the ideal blower for exactly your application.

Packaging

All blowers are single packed but are also available in bulk.

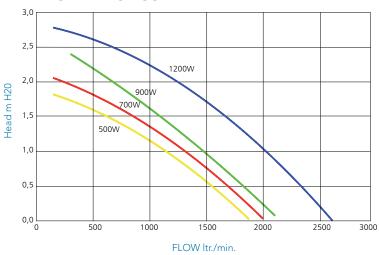
Approvals

The Genesis blowers are Class I manufactured according to European norms EN60335-1 with focus on EN60335-2-60 where relevant.

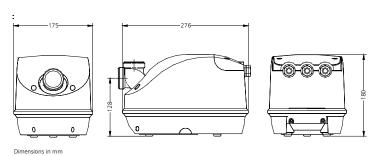
Material

Blue PP housing.

PERFORMANCE CURVE



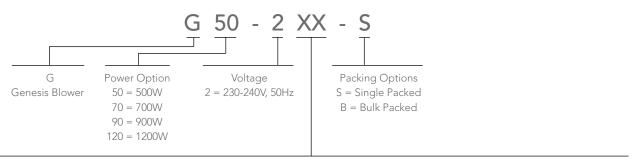
DIMENSIONS





Genesis

Genesis Blower Model Overview - 230-240V/50Hz



Features

- NN = Electronic on/off blower.
- AN = Pneumatic on/off blower.
- HN = Electronic on/off blower with built in heating element to reduce cold air in up start.
- AH = Pneumatic on/off blower with built-in heating element to reduce cold air in upstart.
- VN = Electronic variable speed blower. With variable massage mode and automatic dry-out of air system. To be used with special touch UK01658A connected directly to the blower. See functional descriptions under "VH".
- VH = Electronic variable speed blower with built-in heating element to reduce cold air in upstart. With variable massage mode and automatic dry-out of air system. To be used with special touch UK01658A connected directly to the blower. Functional description for "VN" and "VH":
 - 1. Press on/off = high speed
 - 2. Press +/- = increase/decrease blower speed
 - 3. Press ~ = massage mode "pulsating effect"
 - 4. Press on/off = off
 - Automatic safety stop after 30 minutes
- VNT = Electronic 3-speed blower. With variable massage mode and automatic dry-out of air system. To be used with one on/off touch or LED button. See functional descriptions under "VHT".
- VHT = Electronic 3-speed blower with built-in heating element to reduce cold air in upstart. With variable massage mode and automatic dry-out of air system. To be used with one on/off touch or LED button.

Functional description for "VNT" and "VHT":

- 1. First press = high speed
- 2. Second press = medium speed
- 3. Third press = low speed
- 4. Fourth press = massage mode "pulsating effect"
- 5. Fifth press = off
- Automatic safety stop after 30 minutes
- ANT* = Pneumatic 3-speed blower. With variable massage mode and automatic dry-out of air system. To be used with one standard pneumatic button. See functional descriptions under "AHT".
- AHT* = Pneumatic 3-speed blower with built-in heating element to reduce cold air in upstart. With variable massage mode and automatic dry-out of air system. To be used with one standard pneumatic button.

Functional description for "ANT" and "AHT":

- 1. First press = high speed
- 2. Second press = medium speed
- 3. Third press = low speed
- 4. Fourth press = massage mode "pulsating effect"
- 5. Fifth press = off

Automatic safety stop after 30 minutes



^{*} The preset programme can be changed via jumpers inside the blower to change order of functions or to eliminate the drying cycle. Request manual for detailed information.

Genesis

Genesis Blower 500W

ARTICLE NO.	HEATER W	TOTAL W	V/Hz	PNEUMATIC	3-SPEED PROGRAMME	VAR. SPEED PROGRAMME*
G50-2NN-S		500W	230-240V/50Hz			
G50-2HN-S	250W	750W	230-240V/50Hz			
G50-2VN-S		500W	230-240V/50Hz			X
G50-2VNT-S		500W	230-240V/50Hz		X	
G50-2ANT-S		500W	230-240V/50Hz	X	X	

Genesis Blower 700W

ARTICLE NO.	HEATER W	TOTAL W	V/Hz	VAR. SPEED PROGRAMME*
G70-2NN-S		700W	230-240V/50Hz	
G70-2HN-S	250W	950W	230-240V/50Hz	
G70-2VH-S	250W	950W	230-240V/50Hz	X

Genesis Blower 900W

ARTICLE NO.	HEATER W	TOTAL W	V/Hz	PNEUMATIC
G90-2NN-S		900W	230-240V/50Hz	
G90-2AN-S		900W	230-240V/50Hz	Х
G90-2HN-S	250W	1150W	230-240V/50Hz	

Genesis Blower 1200W

ARTICLE NO.	TOTAL W	V/Hz	PNEUMATIC
G120-2NN-S	1200W	230-240V/50Hz	
G120-2AN-S	1200W	230-240V/50Hz	Х

Note: Union must be ordered separately.



32 MM UNION

For Genesis and Perseus blowers

328P22 Union sleeve. 32 mm ID. Blue ABS Union nut. 1.5" BSP thread. Blue ABS 328P23



1" UNION

For Genesis and Perseus blowers

Article no.: Description:

328P49 Union sleeve. 1" ID. Blue ABS 328P23 Union nut. 1.5" BSP thread. Blue ABS



^{*} Variable speed programme is integrated. To be used with touch UK01658A.

HA7000



FEATURES

- Silent running
- Excellent performance
- Recommended for variable speed control
- Electronic and pneumatic models
- Thermal protection
- Supplied with 1.5 m cable

One of the most silent blowers on the market

The HA7000 blower will surprise you with its extremely low noice level and high performance!

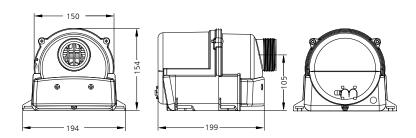
Packaging

All blowers are single packed but are also available in bulk upon request.

Approvals

The blowers are TÜV approved according to EN 60335-1 and EN 60355-2-60 (EMC and LVD).

DIMENSIONS





HA7000

HA7000 Blower 350W

ARTICLE NO.	W	V/Hz	PNEUMATIC	CABLE LENGTH
22-7350	350W	220-240V/50Hz		1.5 m
22-73501	350W	220-240V/50Hz	X	1.5 m

HA7000 Blower 450W

ARTICLE NO.	W	V/Hz	PNEUMATIC	CABLE LENGTH
22-7450	450W	220-240V/50Hz		1.5 m
22-74501	450W	220-240V/50Hz	X	1.5 m

HA7000 Blower 650W

ARTICLE NO.	W	V/Hz	PNEUMATIC	CABLE LENGTH
22-7352	650W	220-240V/50Hz		1.5 m
22-73521	650W	220-240V/50Hz	X	1.5 m

HA7000 Blower 750W

ARTICLE NO.	W	V/Hz	PNEUMATIC	CABLE LENGTH
22-7352	750W	220-240V/50Hz		1.5 m
22-74521	750W	220-240V/50Hz	X	1.5 m

HA7000 Blower 900W

ARTICLE NO.	W	V/Hz	PNEUMATIC	CABLE LENGTH
22-7620	900W	220-240V/50Hz		1.5 m
22-76021	900W	220-240V/50Hz	X	1.5 m

Note: Union must be ordered separately.



32 MM UNION

For HA7000 blower

Article no.: Description:

92015M 50 mm ID union. White PVC/ABS 27-06052 50 mm OD x 32 mm ID reducer. White PVC



1" UNION

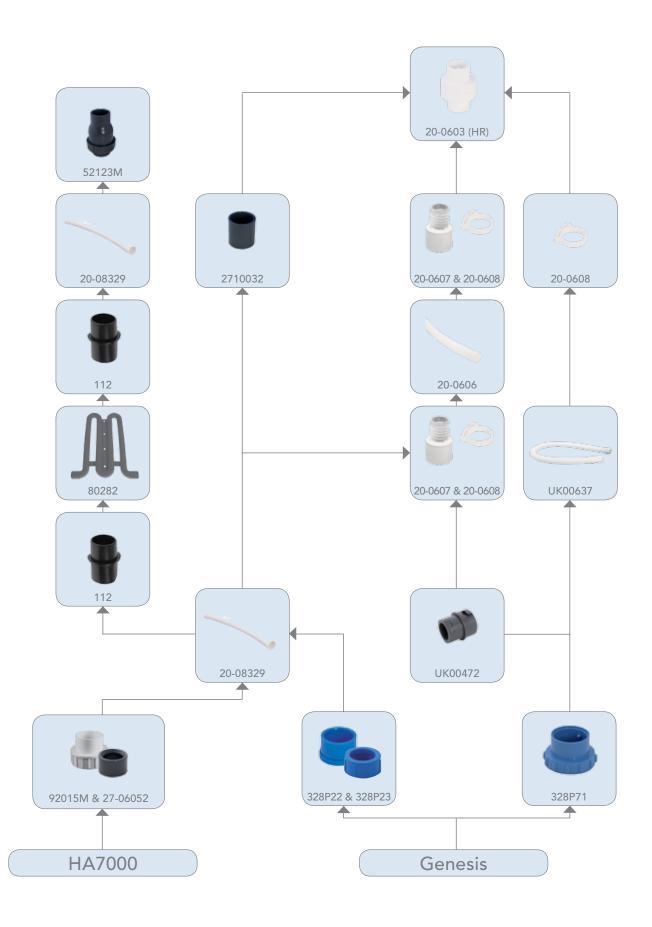
For HA7000 blower

Article no.: Description:

2614022 1 1/2" ID union White/Black PVC/PVC 437-211 1 1/2" OD x 1"ID reducer. White PVC



Accessories for Multiple Blower Applications





Accessories for Multiple Blower Applications



32 MM UNIONFor HA7000 blower

1" UNION For HA7000 blower

Article no.:

92015M 27-06052 Description:

50 mm ID union. White PVC/ABS 50 mm OD x 32 mm ID reducer. White PVC

Article no.:

2614022 437-211 Description:

1 1/2" ID union. White/Black PVC/PVC 1 1/2" OD x 1"ID reducer. White PVC



32 MM UNION

For Genesis and Perseus blowers

Article no.:

Description:

328P22 328P23 Union sleeve. 32 mm ID. White PVC Union nut. 1.5" BSP thread. Blue ABS 1" Fo

1" UNION

For Genesis and Perseus blowers

Article no.:

328P49 328P23 Description:

Union sleeve. 1" ID. Blue ABS Union nut. 1.5" BSP thread. Blue ABS



Accessories for Multiple Blower Applications



BAYONET ADAPTOR

For Genesis and Perseus blowers

To be used with either blower hose UK00637 or bayonet UK00472 for quick connection

Article no.:

Description:

328P71

1.5" BSP thread. Blue ABS



BAYONET

For Genesis and Perseus blowers To be used with bayonet adaptor 328P71 for quick connection

Article no.: UK00472

Description:

32 mm OD. Grey PP



AIR BLOWER HOSE WITH BAYONET

For Genesis and Perseus blowers To be used with bayonet adaptor kit



328P71 for quick connection

Article no.:

Description:

UK00637

32 mm OD. Length 1 m. White PP



HOSE CLAMP

To be used with hose cuff 20-0607



20-0608

Description:

36.7 mm ID. White PA



HOSE CUFF

To be used with hose 20-0606



AIR BLOWER HOSE

To be used with hose cuff 20-0607 Not to be used with water



Description:

20-0607

32 mm ID. White

Article no.:

Description:

20-0606 32 mm OD. Roll of 15 m. White PP



Accessories for Multiple Blower Applications



SAFETY LOOP



ADAPTOR

Article no.:

Description:

80282

Loop x blower hose 1" OD. Height 380 mm, top width 105 mm, bottom width 295 mm



Description:

112

Adapter for safety loop 80282 to 1"/32 mm ID. Flexible



CHECK VALVE

Special blower version, opening pressure 13mbar



CHECK VALVE

Opening pressure 45 mbar



Description:

20-0603HR

32 mm OD. Clear PC. Heat resistant

Article no.:

25-110020 42123M 25-110050

Description:

20 mm ID. Grey PVC. Length 94 mm 32 mm ID. White Lexan/PVC. Length 118 mm 50 mm ID. Grey PVC. Length 150 mm



3 FUNCTION TOUCH

To be used with Genesis variable blower Gxx-2VN-S and Gxx-2VH-S



ESCUTCHEON

For Genesis touch UK01658A



Description:

UK01658A

Ø57 mm. White ABS frame and foil

Article no.: UK01663

Description:

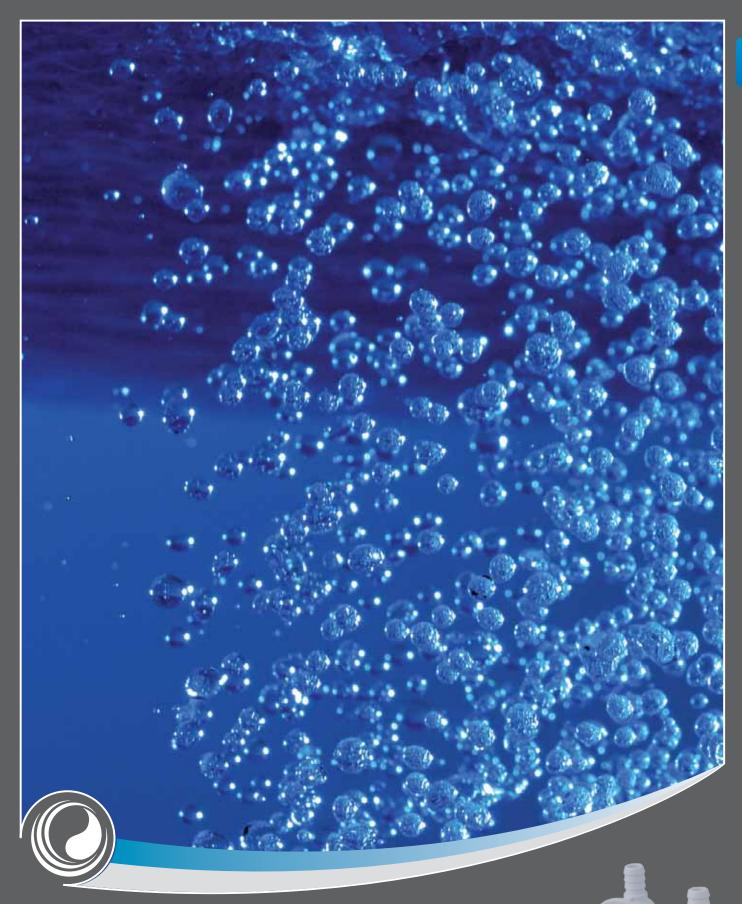
Ø66 mm. Chrome-plated ABS





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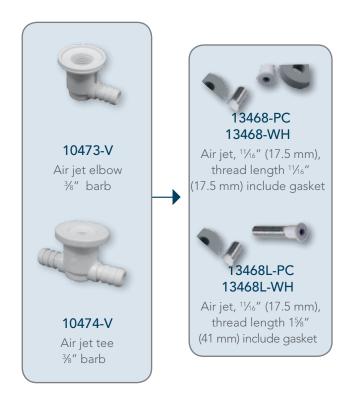
AirSystems Your Single Source Solution





Slimline® - Micro Air Jets







Slimline® - Micro Air Jets



AIR JET Ø8 MM

Hole size 5.5 mm (7/32") Includes gasket Use standard 7/64" hex wrench as tool



AIR JET Ø8 MM

Hole size 5.5 mm (7/32") Includes gasket Use standard 7/64" hex wrench as tool

Article no.:

13468-PC 13468-WH

Description:

Thread length 17.5 mm. Chrome-plated brass Thread length 17.5 mm. White



13468L-PC 13468L-WH

Description:

Thread length 41 mm. Chrome-plated brass Thread length 41 mm. White



AIR JET 90° ELBOW

Air: Hose 20-08099 and clamp 8010156



AIR JET TEE

Air: Hose 20-08099 and clamp 8010156

Article no.:

Description:

10473-V 3/8" barb. White PVC

Article no.: 10474-V

Description:

2 x 3/8" barb. White PVC



SPARE GASKET

Is included in air jet 13468-PC and 13468L-PC

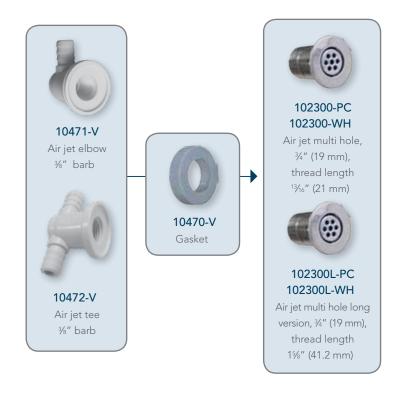


IN-134682



Slimline® - Multi Holes







Slimline® - Multi Holes



AIR JET MULTI HOLE Ø19 MM

Hole size 9/16" - 14 mm



AIR JET MULTI HOLE Ø19 MM

Hole size 9/16" - 14 mm

Article no.:

102300-PC

102300-WH

Description:

Thread length 21 mm. Chrome-plated brass and chrome-plated ABS Thread length 21 mm. White



102300L-PC

102300L-WH

Description:

Thread length 41 mm. Chrome-plated brass and chrome-plated ABS
Thread length 41 mm. White



AIR JET 90° ELBOW

Air: Hose 20-08099 and clamp 8010156



AIR JET TEE

Air: Hose 20-08099 and clamp 8010156



10471-V

Description:

3/8" barb. White PVC

Article no.: 10472-V

Description:

2 x 3/8" barb. White PVC



GASKET

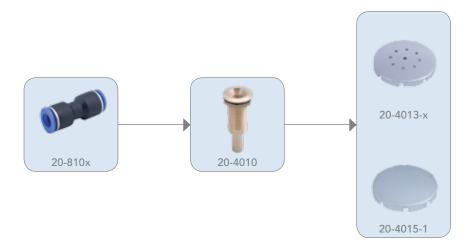
For air jet 102300(L)-PC



10470-V



Flexio - Quick Connection System





Flexio - Quick Connection System



AIR JET CAP Ø30 MM

Incl. o-ring. To be used with air jet 20-4010 or 21-108x



AIR JET CAP Ø30 MM

Incl. o-ring. To be used with air jet 20-4010 or 21-108x

Article no.:

Description:

20-4013-1

Chrome-plated brass. With 9 top holes and 8 side holes

Article no.:

Description:

20-4015-1

Chrome plated brass. With 8 side holes.



FLEXIO AIR JET

Incl. o-ring and nut Hole size: 17 mm



FLEXIO MANIFOLD 8-PORT

For 32 mm blower connection, use 20-0607 hose cuff Incl. drain plug

Article no.:

20-4010

Description:

Air barb for 10 mm quick connection. Solid

Article no.:

Description:

20-8999 8 (+ 1) port smooth barb. 32 mm OD. For 10 mm quick connection



QUICK CONNECTION 90° ELBOW

Air: Hose 20-0813



QUICK CONNECTION TEE

Can be used to expand number of jet connections from 8-port manifold

Air: Hose 20-0813



Description:

20-8102

Ø10 mm ID

Article no.:

20-8103

Description:

Ø10 mm ID



Flexio - Quick Connection System

QUICK CONNECTION, STRAIGHT

Air: Hose 20-0813

Article no.: Description:

20-8101 Ø10 mm ID

PLUG FOR QUICK CONNECTION



Article no.: Description:

20-8104 Ø10 mm ID

PLUG FOR QUICK CONNECTION

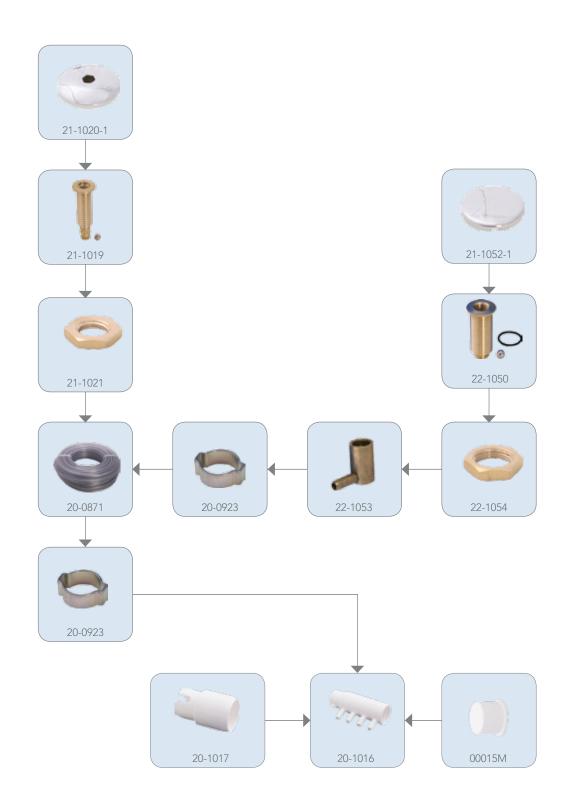
Article no.:

 ${\sf Description:}$

20-8105 Male plug Ø10 mm OD



Clamp System





Clamp System



AIR JET CAP Ø21 MM

With 1 top hole To be used with air jet 21-1019



AIR JET CAP Ø24 MM

Incl. o-ring. With 4 side holes
To be used with air jet 22-1050

Article no.:

Description:

21-1020-1

Chrome-plated brass

Article no.:

Description:

21-1052-1

Chrome-plated brass



Incl. check valve ball and o-ring Thread 3/8" OD

Hole size 1/2" appr. 12 mm

Air: Hose 20-0871 and clamp 20-0923



AIR JET

Incl. check valve ball and O-ring
Thread 14 mm OD

Hole size 9/16" appr. 15 mm Air: Hose 20-0871 and clamp 20-0923

Article no.:

21-1019

Description:

AIR JET

9 mm OD barb. Shaft length 49 mm. Solid brass



22-1050

 ${\sf Description:}$

Shaft length 30 mm. Solid brass



NUT 90°

Thread 14 mm ID

To be used with air jet 22-1050



NUT

For air jets



Description:

22-1053

14 mm ID. 8 mm OD barb. Solid brass

Article no.:

21-1021 22-1054

Description:

3/8" ID. Solid brass. For 21-1019 14 mm ID. Solid brass. For 22-1050



Air Jets Clamp System



AIR MANIFOLD 4-PORT

Article no.: | Description:

20-1016 (4) 8 mm barb. 26.5 mm ID x 26.5 mm OD. White PVC

ADAPTOR

Article no.:

20-1017

Description:

 $32 \text{ mm OD} \times 26.5 \text{ mm OD}$. White PVC



PLUG

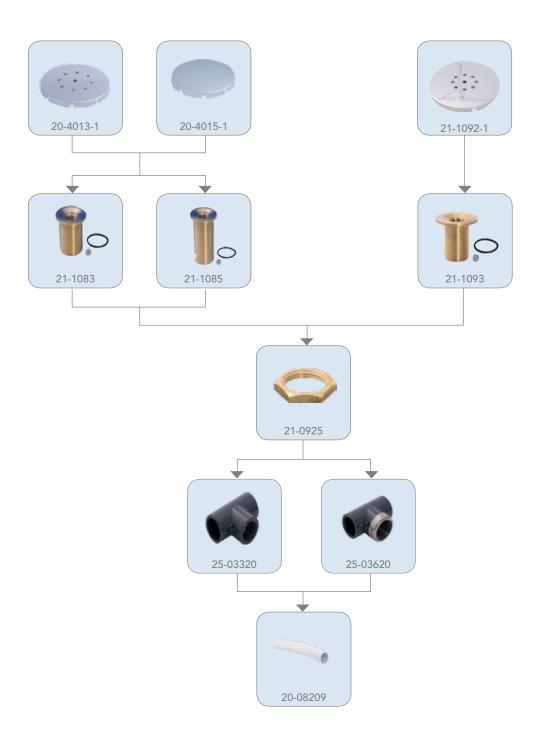
Article no.: | Description:

00015M 32 mm OD. White PVC





Glued System



Glued System



AIR JET CAP Ø30 MM

Incl. o-ring. To be used with air jet 20-4010 or 21-108x



AIR JET CAP Ø40 MM

Incl. o-ring. To be used with air jet 21-109x

Article no.:

Description:

20-4013-1

Chrome-plated brass. With 9 top holes and 8 side holes



Description:

21-1092-1

Chrome-plated brass. With 9 air holes and 4 side holes.



AIR JET CAP Ø30 MM

Incl. o-ring. To be used with air jet 20-4010 or 21-108x



AIR JET

Incl. check valve ball and o-ring.

Thread 1/2" OD

Hole size 13/16" appr. 21 mm

Article no.:

Description:

20-4015-1

Chrome plated brass. With 8 side holes

Article no.:

21-1093

Description:

Shaft length 32 mm, solid brass



AIR JET

Incl. check valve ball and o-ring. Thread 1/2" OD Hole size 13/16" appr. 21 mm



NUT

For 1/2" air jets

Article no.:

21-1083 21-1085

Description:

Shaft length 32 mm, solid brass Shaft length 52 mm, solid brass

Article no.:

21-0925

Description:

1/2" ID. Solid brass









BathPumps Your Single Source Solution



Bath Pumps

HA350E



FEATURES

- Economic pump
- High performance
- 3 Way Mounting Solution
- Silent running compact design
- Both pneumatic and electronic use

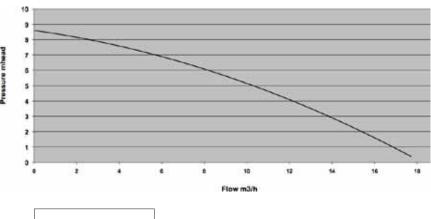
InstallationHA350E





- There are different ways of installing the pump 1. The easy accessible rubber feet allow quick
- The easy accessible rubber feet allow quick installation of the pump, by screwing 4 pcs. of M6 bolts up into the nuts, that are integrated in the rubber feet.
- 2. Install the pump by adding the mouting plate (247012). The 10mm nut and pole makes installation of the pumpe easy on the pump stand
- 3. Use the one point mounting slide for easy installation.

PERFORMANCE CURVE

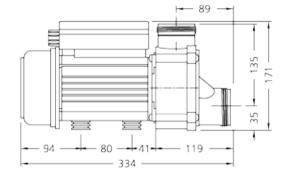


20-25821

DIMENSIONS

Self-drain







HA350E

HA350E, 0.45kW

ARTICLE NO.	POWER (P1)	V/Hz/A	PNEUMATIC (PRESET FOR ELECT. USE)	SELF DRAIN
20-25821*	0.45kW	220-240V/50Hz/2.0A	X	X



PUMP UNION STRAIGHT

Incl. o-ring



Description:

92015M 20-0427 50 mm ID. White PVC/ABS 1 1/2" ID. White PVC/POM



PUMP UNION TEE

Incl. o-ring



92020M

92020

92030

Description:

 2×32 mm ID. White PVC/ABS $2\times1^{\rm H}$ ID. White PVC/ABS 2×26 mm OD (for V-jet connection). White PVC/ABS



STANDARD GLUE CONNECTION

Discharge Tee



FOR INSTALLATION

Mounting Plate for rubber feet

Article no.:

Description:

20-0425

2 X 32 mm I.D. X 50 mm O.D.

Article no.:

Description:

247012

Metal Plate.



HA350



APPROVALS

The HA350 pumps are TÜV approved according to European norms EN60335-1 and EN60335-2-41 with focus on EN60335-2-60 where relevant.

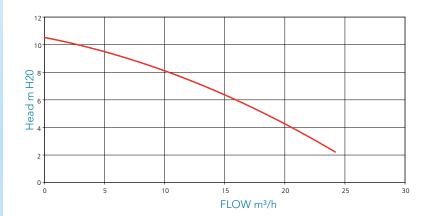
PACKAGING

The HA350 pumps are single packed but are also available in bulk (75 pumps per pallet)

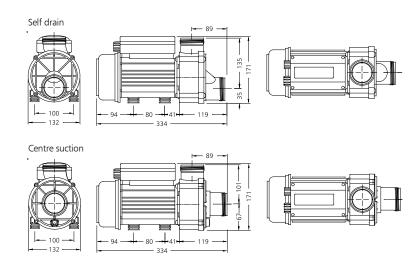
FEATURES

- Buttress 2½" thread
- Compact design
- Center suction with drain connection and self draining models
- Dry run protection
- 220 240V/ 50Hz
- For both pneumatic and elec tronic use (with built-in pneu matic switch)
- Ingress protection: IPx5
- Low power consumption
- Pneumatic switch & cable mounted at rear of terminal box
- Recommended for variable speed control
- Silent running
- Special anti-vibration feet
- Supplied with 3 m cable
- Thermal protection

PERFORMANCE CURVE



DIMENSIONS





HA350

HA350, 0.55kW

ARTICLE NO.	POWER (P1)	V/Hz/A	PNEUMATIC (PRESET FOR ELECT. USE)	FOR VARIABLE SPEED	SELF DRAIN	CENTER SUCTION (W/ DRAIN CONNECTION)
21-35321	0.55kW/0.7HP	220-240V/ 50Hz/2.7A	X	X	X	

HA350, 0.68kW

ARTICLE NO.	POWER (P1)	V/Hz/A	PNEUMATIC (PRESET FOR ELECT. USE)	FOR VARIABLE SPEED	SELF DRAIN	CENTER SUCTION (W/ DRAIN CONNECTION)
21-35421	0.68kW/0.9HP	220-240V/ 50Hz/3.1A	X	%	X	
21-35221	0.68kW/0.9HP	220-240V/ 50Hz/3.1A	X	%		X

HA350, 0.68kW, DRY RUN

ARTICLE NO.	POWER (P1)	V/Hz	PNEUMATIC ONLY	FOR VARIABLE SPEED	SELF DRAIN	DRY RUN PROTECTION
21-35421DRP	0.68kW/0.9HP	220-240V/ 50Hz/3.1A	X		Χ	X



PUMP UNION STRAIGHT

Incl. o-ring

Article no.:

Description:

92015M 2614022 50 mm ID. White PVC/ABS 1 1/2" ID. Whtie/Black PVC/PVC



PUMP UNION TEE

Incl. o-ring

Article no.:

Description:

92020M 92020 92030

 $2 \times 32 \text{ mm ID.}$ White PVC/ABS 2 x 1" ID. White PVC/ABS 2 x 26 mm OD (for V-jet connection). White PVC/ABS



HA400



FEATURES

- Buttress 2½" thread
- Compact design
- Self draining model
- Electronic and pneumatic mod els
- Dry-run protection
- 230V/ 50Hz
- Ingress protection: IPx5
- Pneumatic switch & cable mounted at rear of terminal box
- Silent running
- Supplied with 2 m cable
- Thermal protection

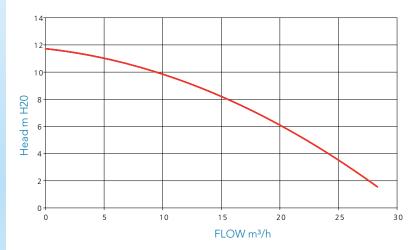
APPROVALS

The HA400 pumps are TÜV approved according to European norms EN60335-1 and EN60335-2-41 with focus on EN60335-2-60 where relevant.

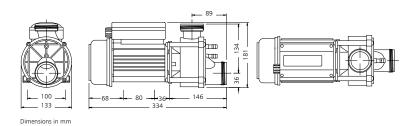
PACKAGING

The HA400 pumps are single packed but are also available in bulk (60 pumps per pallet)

PERFORMANCE CURVE



DIMENSIONS





HA400

HA400, 0.8kW

ARTICLE NO.	POWER (P1)	V/Hz/A	PNEUMATIC (PRESET FOR ELECT. USE)	SELF DRAIN
22-4017	0.8kW/1.1HP	230V/50Hz/3.6A		X
22-40171	0.8kW/1.1HP	230V/50Hz/3.6A	X	X



PUMP UNION STRAIGHT

Incl. o-ring

Article no.:

Description:

92015M 2614022 50 mm ID. White PVC/ABS 1 1/2" ID. White/Black PVC/PVC



PUMP UNION TEE

Incl. o-ring

Article no.:

Description:

92020M 92020 92030 2×32 mm ID. White PVC/ABS $2\times1^{\circ}$ ID. White PVC/ABS 2×26 mm OD (for V-jet connection). White PVC/ABS



HA460



FEATURES

- Buttress 2½" thread
- Center Suction with drain connection and self draining models
- Dry-run protection
- 230V / 50Hz
- Electronic and pneumatic models
- Excellent performance
- Ingress protection: IPx5
- Pneumatic switch & cable mounted at rear of terminal box
- Silent running
- Supplied with 2 m cable
- Thermal protection

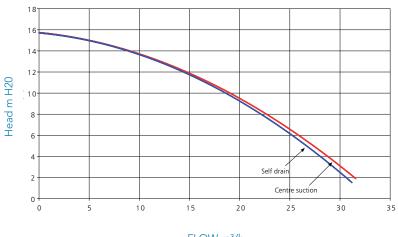
APPROVALS

The HA460 pumps are TÜV approved according to European norms EN60335-1 and EN60335-2-41 with focus on EN60335-2-60 where relevant.

PACKAGING

The HA460 pumps are single packed but are also available in bulk.

PERFORMANCE CURVE

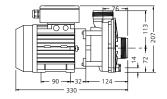


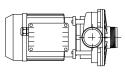
FLOW m³/h

DIMENSIONS

Centre Suction

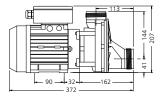


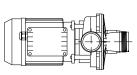




Self Drain







Dimensions in mn

HA460

HA460, 1.3kW

ARTICLE NO.	POWER (P1)	V/Hz/A	PNEUMATIC (PRESET FOR ELECT. USE)	CENTER SUCTION (W/ DRAIN CONNECTION)	SELF DRAIN
22-4667	1.30kW/1.7HP	220-240V/ 50Hz/6.2A		X	
22-46671	1.30kW/1.7HP	220-240V/ 50Hz/6.2A	X	X	
22-4617	1.30kW/1.7HP	220-240V/ 50Hz/6.2A			X
22-46171	1.30kW/1.7HP	220-240V/ 50Hz/6.2A	Χ		X



PUMP UNION STRAIGHT

Incl. o-ring

Article no.:

Description:

92015M 2614022 50 mm ID. White PVC/ABS 1 1/2" ID. White/Black PVC/PVC

PUMP UNION TEE

Incl. o-ring

Article no.:

Description:

92020M 92020 92030 2×32 mm ID. White PVC/ABS $2\times1^{\circ}$ ID. White PVC/ABS 2×26 mm OD (for V-jet connection). White PVC/ABS



Pump Accessories



PUMP UNION STRAIGHT

Incl. o-ring



92015M

2614022

Description:

50 mm ID. White PVC/ABS 1 1/2" ID. White/Black PVC/PVC



VISIO® PUMP UNION STRAIGHT

For glueless connection

Article no.:

60-0428

Description:

50 mm ID. White PVC/POM



PUMP UNION 90° ELBOW

Incl. o-ring

Image coming soon

STRIGHT UNION

BSP thread



21-0457 92090

Article no.:

Description:

50 mm ID. White PVC/POM 1 1/2" ID. White PVC/ABS



20-0617

Description:

1.5" straight union with BSP thread.



PUMP UNION TEE

Incl. o-ring



QUICK CONNECTION

For quick connection drain connection



92020M 92020 92030

Description:

 $2 \times 32 \text{ mm ID.}$ White PVC/ABS 2 x 1" ID. White PVC/ABS 2×26 mm OD (for V-jet connection). White PVC/ABS

Article no.:

40-0220 40-02201

Description:

10 mm ID x 1/4" O-ring for 40-0220



Pump Accessories



MOUNTING PLATE

Incl. 10 mm threaded pole and nut



SPARE O-RING

For 1 1/2" /50 mm pump unions

10			
Article no.:	Description:	Article no.:	Description:
247012	Metal	O-226B70	Black







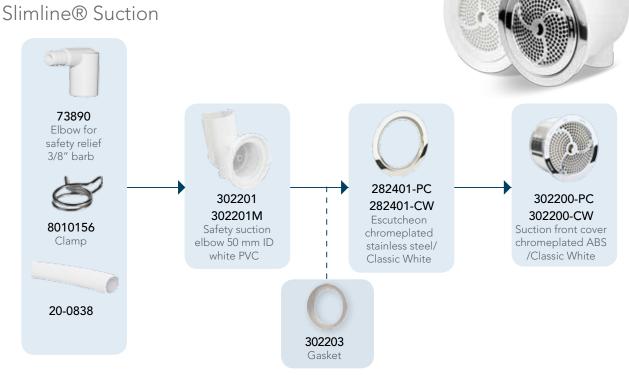


BathSuctions Your Single Source Solution

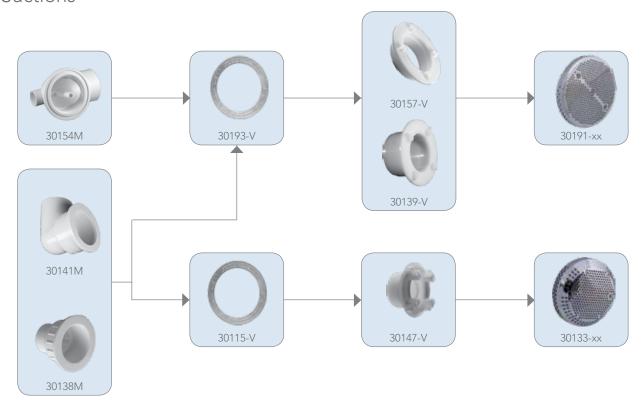


Bath Suctions

Suction & Fittings



Suctions



Bath Suctions

Suction & Fittings



LOW PROFILE SUCTION COVER Ø90 MM

Flow: 67 GPM / 15 m³/h
Use with wall fitting 30139-x or 30157-V



SUCTION COVER Ø95 MM

Flow: $100 \text{ GPM} / 23 \text{ m}^3/\text{h}$ Use with wall fitting 30147-x



30191-PC 30191-WH

Description:

Chrome-plated ABS White ABS



30133-PC 30133-WH

Description:

Chrome-plated ABS White ABS



SUCTION WALL FITTING

Use with cover 30191-xx



SUCTION WALL FITTING

Use with cover 30133-xx



30139-V 30139L

Description:

Shaft length 35 mm. ABS Shaft length 52 mm. ABS



30147-V 30147L

Description:

Shaft length 35 mm. ABS Shaft length 55 mm. ABS



SUCTION WALL FITTING

Close fit

Use with cover 30191-xx



GASKET

Article no.:

30157-V

Description:

Shaft length19 mm. ABS

Article no.:

30193-V 30115-V

Description:

Clear. For wall fitting 30139-x and 30157-V Clear. For wall fitting 30147-x



Bath Suctions

Suctions & Fittings



SUCTION RELIEF 90° ELBOW

Close Fit

Use with tube 20-0838, elbow 73890 and clamp 8010156 for Safety Relief

Hole size: 64 mm

Article no.:

Description:

30154M

50 mm ID. White PVC



SUCTION 90° ELBOW

Hole size: 64 mm

Article no.:

30141M

Description:

50 mm ID. White PVC



SUCTION, STRAIGHT

Hole size: 64 mm Use with adapter 25-10050

Article no.:

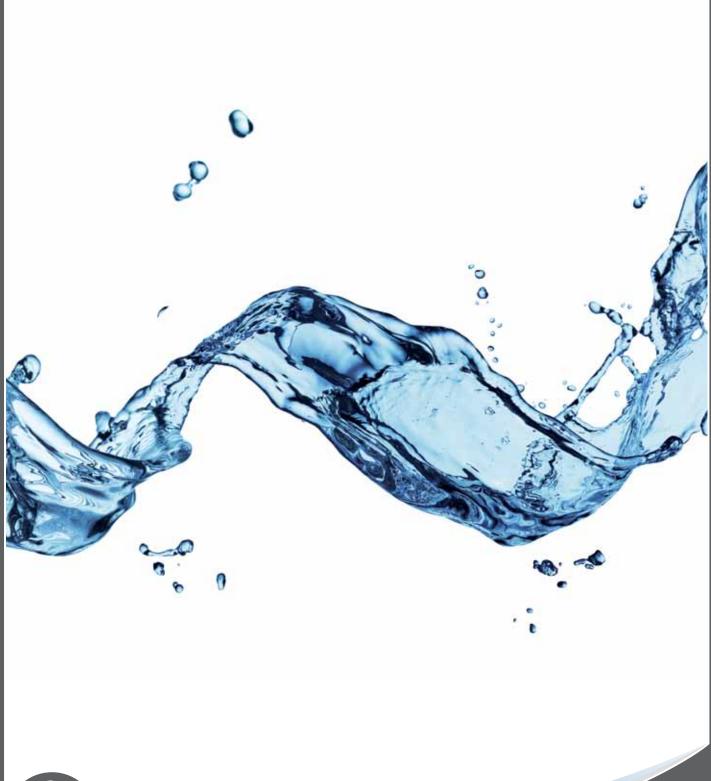
Description:

30138M

50 mm OD. White PVC





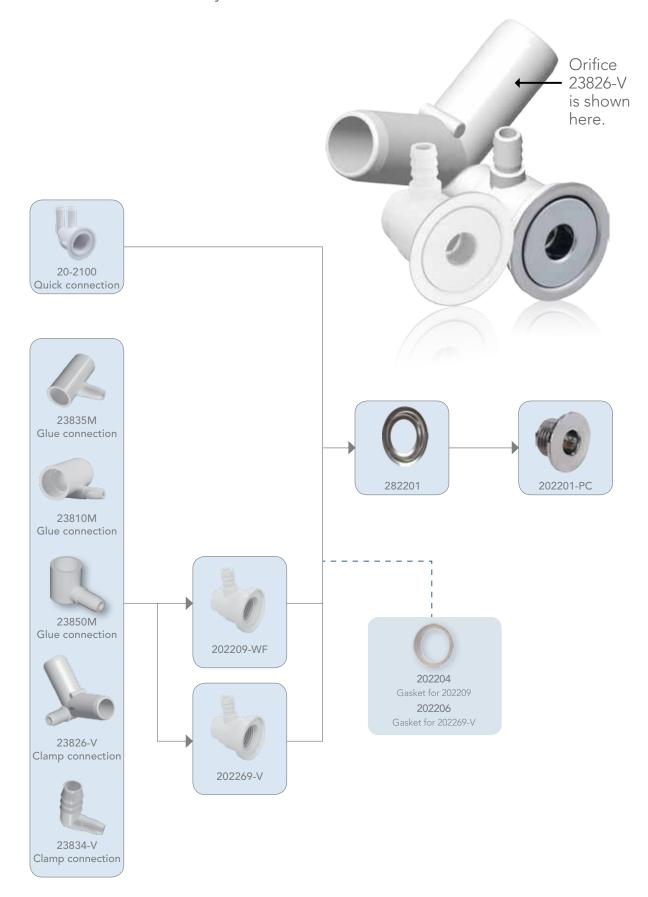




BathHydroMassageJets Your Single Source Solution



Slimline® - Non Flow-Adjustable



Slimline® - Non Flow-Adjustable



SLIMLINE JET FRONT

Hole size: 35 mm (1 7/16") Use standard 3/8" hex wrench



METAL RING Ø44.5 MM

Article no.:

202201-PC 202201-CW

Description:

Chrome-plated ABS White

Article no.:

282201-PC 282201-CW

Description:

Stainless steel Stainless steel, white coated



FLEXIO JET BODY

To be used with 10 mm quick connections 20-810x, hose 20-0813 and Flexio manifold 20-8999

Hole size 15/16" appr. 24 mm



SLIMLINE JET BODY

Air: Hose 20-0838 and clamp 20-08048



20-2100

Description:

 2×10 mm smooth barbs (water and air) for 10 mm quick connections. White PVC



Description:

202209 202269-V

3/8" barb x 1/2" OD air 26mm x 3/8" B V Jet



ORIFICE TEE

Water: Hose 20-08209



ORIFICE TEE

Water: Hose 20-08329



Description:

23835M

1/4" orifice. 20 mm ID water

Article no.:

Description:

23810M

1/4" orifice. 32 mm ID water



Slimline® - Non Flow-Adjustable



ORIFICE 90° ELBOW

Water: Hose 20-08209

Article no.:

Description:

23850M

1/4" orifice. 20 mm ID water



ORIFICE V

Water: Hose 20-08259 and clamp WC10327

Article no.:

Description:

23826-V

1/4" orifice. 26 mm OD smooth barb water



ORIFICE BARB 90° ELBOW

Water: Hose 20-0834 and clamp 20-08068

Article no.:

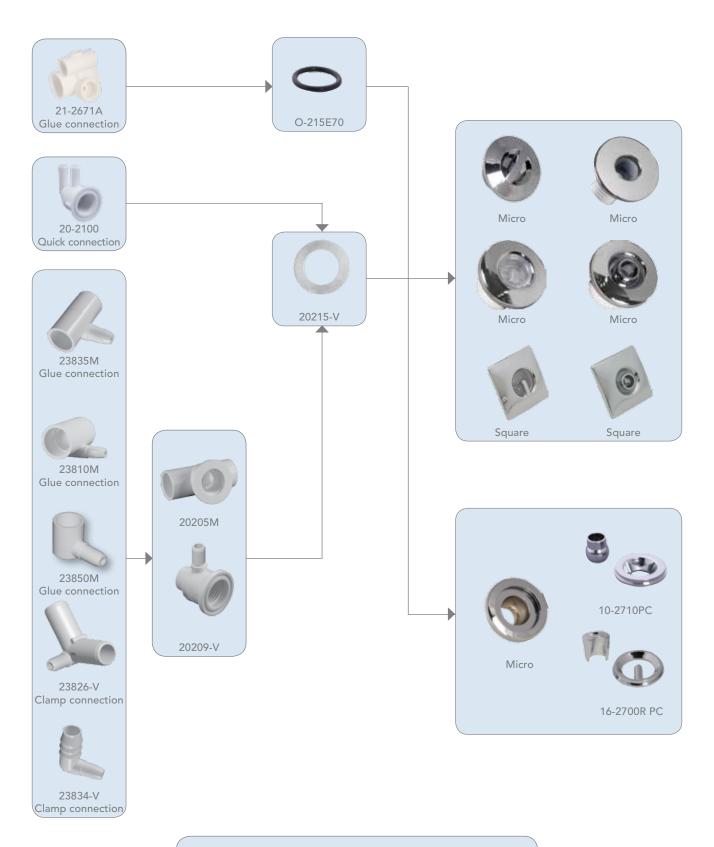
Description:

23834-V

1/4" orifice. 3/4" barb



Micro and Square - Non Flow-Adjustable



Recommended flow rate: Approx. $1 \text{m}^3/\text{h} @ 7 \text{m} \text{ H}_2\text{O}$



Micro and Square - Non Flow-Adjustable



MICRO JET FRONT Ø38 MM

Shaft length 17.5 mm Pulse internal



16-2672HA PC 16-2672WHT

Description:

Chrome-plated ABS White ABS



MICRO JET FRONT Ø38 MM

Front with Micro wall fitting No eyeball Shaft length 10 mm

Article no.:

20214-PC 20214-WH

Description:

Chrome-plated ABS White ABS



MICRO JET FRONT Ø38 MM

Front with Micro Twist Lock wall fitting Pulse internal Shaft length 17 mm



20281-PC 20281-WH

Description:

Chrome-plated ABS White ABS



MICRO JET FRONT Ø38 MM

Front with Micro Twist Lock wall fitting Directional eyeball Shaft length 17 mm

Article no.:

20283-PC 20284-WH

Description:

Chrome-plated ABS White ABS



SQUARE JET FRONT 41.3 X 41.3 MM

Pulse internal Shaft length 17 mm



Article no.:

20255-PC 20255-WH

Description:

Chrome-plated ABS White ABS



SQUARE JET FRONT 41.3 X 41.3 MM

Directional eyeball Shaft length 17 mm



20250-PC 20250-WH

Description:

Chrome-plated ABS White ABS



Micro & Square - Non Flow-Adjustable



O-RING

For Mini jet body 21-2671A



GASKET

For Micro and Flexio jets

Article no.:	Description:
O-215E70	Black

Article no.:

20215-V

Description:

Clear



Micro & Square - Non Flow-Adjustable



MINI JET BODY

Hole size 15/16" appr. 24 mm Air: Hose 20-08209 Water: Hose 20-08329

Article no.:

21-2671A

Description:

32 mm ID water x 20 mm ID air. White PVC



FLEXIO JET BODY

To be used with 10 mm quick connections 20-810x, hose 20-0813 and Flexio manifold 20-8999

Hole size 15/16" appr. 24 mm

Article no.:

20-2100

Description:

 2×10 mm smooth barbs (water and air) for 10 mm quick connections. White PVC



Micro & Square - Non Flow-Adjustable



MICRO JET BODY

For orifice or 1/2" OD water connection Hole size 15/16" appr. 24 mm Air: Hose 20-0838 and clamp 20-08048



MICRO JET BODY

For orifice
Hole size 15/16" appr. 24 mm
Air: Hose 20-08209

Article no.:

20209-V

Description:

1/2" OD water x 3/8" air barb.. White PVC



20205M

Description:

20 mm ID air. White PVC



ORIFICE TEE

For Micro jet bodies Water: Hose 20-08209



ORIFICE TEE

For Micro jet bodies Water: Hose 20-08329



Description:

23835M

1/4" ofirice. 20 mm ID water. White PVC

Article no.:

Description:

23810M

1/4" orifice. 32 mm ID water. White PVC



DUO BARB 90° ELBOW

For Micro jet bodies Water: Hose 20-08209



ORIFICE V

For Micro jet bodies Water: Hose 20-08259 and clamp WC10327

Article no.:

Description:

23850M

1/4" orifice. 20 mm ID water

Article no.:

Description:

23826-V

1/4" orifice. 26 mm OD smooth barb water



Micro & Square - Non Flow-Adjustable



ORIFICE BARB 90° ELBOW

For Micro jet bodies

Water: Hose 20-0834 and clamp 20-08068

Article no.:

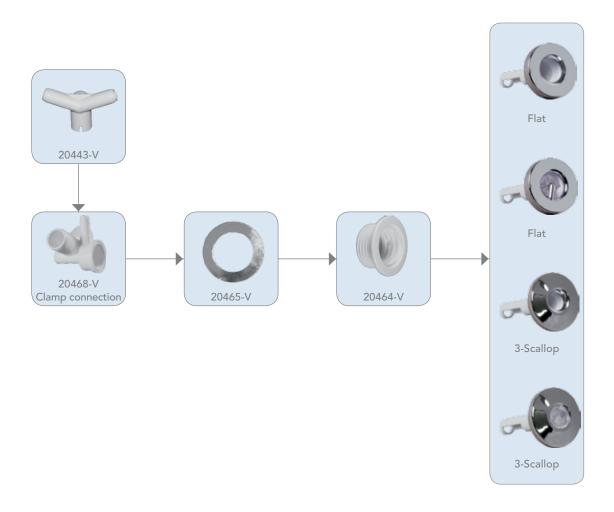
Description:

23834-V

1/4" orifice. 3/4" barb



Micro V - Flow-Adjustable





Micro V™ - Flow-Adjustable



FLAT JET FRONT Ø42 MM

Flow-adjustable
To be used with wall fitting 20464-V

Article no.:

Description:

22463-PC

Chrome-plated ABS



FLAT JET FRONT Ø42 MM

Flow-adjustable
Pulse internal
To be used with wall fitting 20464-V

Article no.:

Description:

22468-PC

Chrome-plated ABS with clear internal



3-SCALLOP JET FRONT Ø42 MM

Flow-adjustable

To be used with wall fitting 20464-V

Article no.:

Description:

22445-PC 22445-WH Chrome-plated ABS White ABS



3-SCALLOP JET FRONT Ø42 MM

Flow-adjustable Pulse internal

To be used with wall fitting 20464-V

Article no.:

Description:

22452-PC 22452-WH Chrome-plated ABS with clear internal

White ABS



Micro VTM - Flow-Adjustable



MICRO V JET WALL FITTING For Micro V jet bodies Use tool 20461-V

GASKET

Article no.:

Description:

20464-V

Shaft length 16 mm. White ABS

Article no.:

Description:

20465-V

Clear



MICRO V JET BODY

Hole size: 30 mm

Water: Hose 20-08259 and clamp

WC10327

Air: Hose 504010 and clamp 8010156

. . . .

Article no.:

Description:

20468-V

26 mm OD smooth barb for water x 3/8" smooth barb for air. White PVC



MICRO V AIR ADAPTOR

To be used with jet body 20468-V Air: Hose 504010 and clamp 8010156

Article no.:

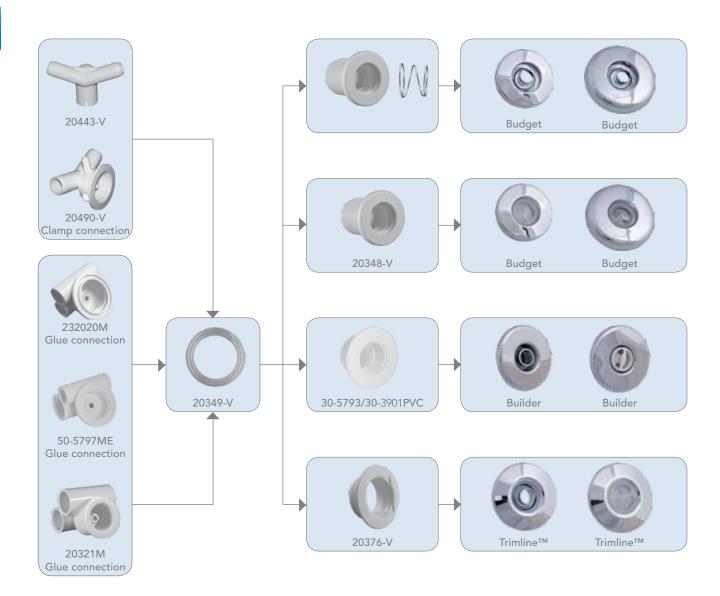
Description:

20443-V

3/8" smooth barb for air. White PVC



Budget™, Builder & Trimline™ - Non-Flow Adjustable



Recommended flow rate: Approx. $1.5 \,\mathrm{m}^3/\mathrm{h}$ @ $7 \mathrm{m}$ $\mathrm{H}_2\mathrm{O}$

Budget™, Builder & Trimline™ - Non-Flow Adjustable



BUDGET ESCUTCHEON Ø63 MM DIRECTIONAL

To be used with wall fitting 20348-V and spring 20345-V

Article no.:

23340-PC 23340-WH

Description:

Chrome-plated ABS White ABS



BUDGET ROUNDED ESCUTCHEON Ø76 MM DIRECTIONAL

To be used with wall fitting 20348-V and spring 20345-V

Article no.:

23320-PC 23320-WH

Description:

Chrome-plated ABS White ABS



BUDGET ESCUTCHEON Ø63 MM

To be used with wall fitting 20348-V



BUDGET ROUNEDED ESCUTCHEON Ø76 MM PULSE

To be used with wall fitting 20348-V

Article no.:

23346-PC

23344-WH

Description:

Chrome-plated ABS front with clear pulse

White ABS with pulse internal



Description:

Article no.: 23326-PC

23326-WH

Chrome-plated ABS front with clear pulse internal

White ABS with pulse internal



BUILDER ESCUTCHEON Ø66 MM DIRECTIONAL

To be used with wall fitting 30-390x or 30-5793PVC



BUILDER ESCUTCHEON Ø66 MM PULSE

To be used with wall fitting 30-390x or 30-5793



10-3955HA PC 20-3955-1 10-3955WHT

Description:

Chrome-plated ABS. Chrome-plated brass. White ABS.

Article no.:

16-3955HA PC

16-3955WHT

Description:

Chrome-plated ABS escutcheon with white pulse eyeball

White ABS with pulse eyeball



Budget™, Builder & Trimline™ - Non-Flow Adjustable



TRIMLINE™ ESCUTCHEON Ø63 MM **DIRECTIONAL**

To be used with wall fitting 20376-V



TRIMLINE™ ESCUTCHEON Ø63 MM **PULSE**

To be used with wall fitting 20376-V

Article no.:

23412-PC

23405-WH

Description:

Ø63 mm. Chrome-plated ABS escutcheon with chrome eyeball Ø63 mm. White ABS assembly with white eyeball

Article no.:

23410-PC

23410-WH

Description:

Ø63 mm. Chromepl. ABS escutcheon with clear pulse internal Ø63 mm. White ABS with pulse internal



WALL FITTING

For Budget escutcheons



SPRING

For Budget directional escutcheons

Article no.:

20348-V

Description:

Shaft length 20 mm. White ABS

Article no.:

20345-V

Description:

Metal



WALL FITTING

For Builder escutcheons



WALL FITTING

For Trimline™ escutcheons

Article no.:

30-5793PVC WHT 30-3901PVC 30-3903

Description:

Shaft length 22 mm. White PVC

Shaft length 32 mm. White PVC Shaft length 45 mm. White ABS

Article no.:

20376-V 20376L

Description:

Shaft length 17 mm. White ABS Shaft length 41 mm. White ABS



Budget™, Builder & Trimline™ - Non-Flow Adjustable



V JET BODY

With silicone injection ports
Hole size: 44 mm
Air: Hose 504010 and clamp 8010156
Water: Hose 20-08259 and clamp
WC10327



20490-V

Description:

26 mm OD smooth barb for water x 3/8" smooth barb for air. White PVC



V ADAPTOR

For V jet body 20490-V Air: Hose 504010 and clamp 8010156

Article no.:

20443-V

Description:

3/8" smooth barb for air. White PVC



JET BODY

Hole size: 44 mm Air & Water : Hose 20-08209 0.280" Orifice



Description:

232020M

20 mm ID air x 20 mm ID water. White PVC



JET BODY

Hole size: 44 mm Air: Hose 20-08209 Water: Hose 20-08329 0.310" Orifice

Article no.: 50-5797ME

Description:

- 2

20 mm ID air x 32 mm ID water. White PVC



Article no.:

20321M

JET BODY

Hole size: 44 mm

Air & Water: Hose 20-08329

0.312" Orifice



GASKET

Description:

32 mm ID water x 32 mm ID air. White PVC

Description:

20349-V

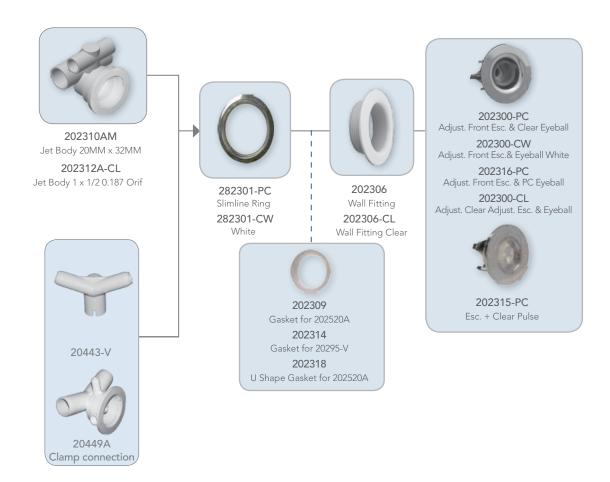
Article no.:

Clear



Slimline® - Flow Adjustable and Swirl





Recommended flow rate: Approx. 1.5 m^3/h @ 7 m H₂O



Slimline® - Flow-Adjustable and Swirl



JET FRONT

With directional eyeball

Article no.:

202300-PC 202300-CW 202316-PC 202300-CL

Description:

With clear eyeball With white eyeball Plastic Chrome eyeball Clear Esc. & eyeball



METAL RING Ø62 MM

Article no.:

282301-PC 282301-CW

Description:

Stainless steel Stainless steel, white coated



WALL FITTING

Use with jet front 202300-PC or 202320-PC. Use with tool 36335.



Article no.:

202306

Description:

White



JET BODY

Flow.-adjustable Hole size: 50.8 mm (2") 0.275" Orifice

Article no.:

202310AM

Description:

20 x 32 mm ID



V JET BODY

Flow-adjustable nozzle and silicone injection ports

Hole size: 50.8 mm (2")

Water: Hose 20-08259 and clamp WC10327 Air: Hose 504010 and clamp 8010156. 0.275" Orifice.

Article no.:

Description:

20449A

Flow-Adjustable. 26 mm OD smooth barb for water x 3/8" smooth barb for air . White PVC



V JET AIR ADAPTOR

For V jet body 20449A Air: Hose 504010 and clamp 8010156

Article no.:

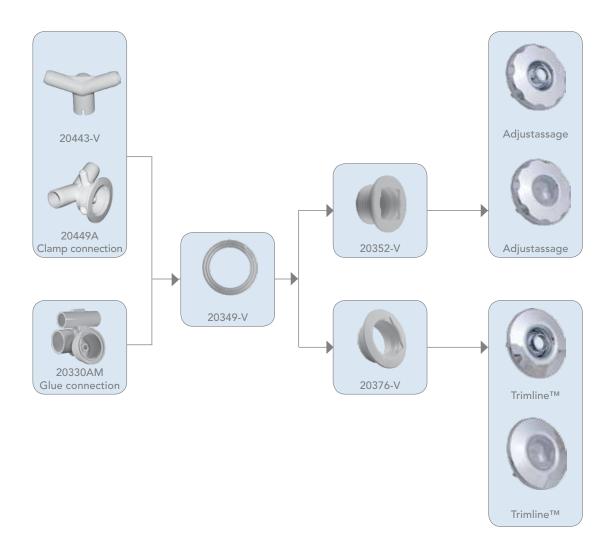
Description:

20443-V

3/8" smooth barb for air. White PVC



Adjustassage & Trimline TM - Flow-Adjustable



Recommended flow rate: Approx. 1.5m³/h @ 7m $\rm H_2O$

Adjustassage & Trimline™ - Flow-Adjustable



ADJUSTASSAGE ESCUTCHEON Ø63 MM - DIRECTIONAL

To be used with wall fitting 20352-V



ADJUSTASSAGE ESCUTCHEON Ø63 MM - PULSE

To be used with wall Fitting 20352-V

Article no.:

23387-PC

23380-WH

Description:

Chrome-plated ABS scalloped escutcheon with chrome eyeball

White ABS scalloped escutcheon with white eyeball



23388-PC

23388-WH

Description:

Chrome-plated ABS scalloped escutcheon with clear pulse internal

White ABS Scalloped escutcheon with white pulse internal



TRIMLINE™ ESCUTCHEON Ø63 MM **DIRECTIONAL**

To be used with wall fitting 20376-V



TRIMLINE™ ESCUTCHEON Ø63 MM **PULSE**

To be used with wall fitting 20376-V

Article no.:

23425-PC

23415-WH

Description:

Chrome-plated ABS smooth escutcheon with chrome eyeball

White ABS smooth escutcheon with white eyeball



Article no.:

23420-PC

23420-WH

Description:

Chrome-plated ABS smooth escutcheon with clear pulse internal

White ABS smooth escutcheon with white pulse internal



SNAP IN WALL FITTING

For Adjustassage escutcheons



TRIMLINE™ WALL FITTING

For Trimline™ escutcheons



20352-V 20352L

Description:

Shaft length 17 $\ensuremath{\mathsf{mm}}$. White ABS Shaft length 41 mm. White ABS



20376-V 20376L

Description:

Shaft length 17 mm. White ABS Shaft length 41 mm. White ABS



Adjustassage & Trimline™ - Flow-Adjustable



V JET BODY

With silicone injection ports Hole size: 44 mm Air: Hose 504010 and clamp 8010156 Water: Hose 20-08259 and clamp WC10327

Article no.:

20449A

Description:

26 mm OD smooth barb for water x 3/8" smooth barb for air. White PVC



V ADAPTOR

For V jet body 20490-V Air: Hose 504010 and clamp 8010156

Article no.:

20443-V

Description:

3/8" smooth barb for air. White PVC



ADJUSTASSAGE JET BODY

Hole size: 44 mm Air: Hose 20-08209 Water: Hose 20-08329

Article no.:

20330AM

Description:

32 mm ID water x 20 mm ID air. Close fit. White PVC



GASKET

Article no.:

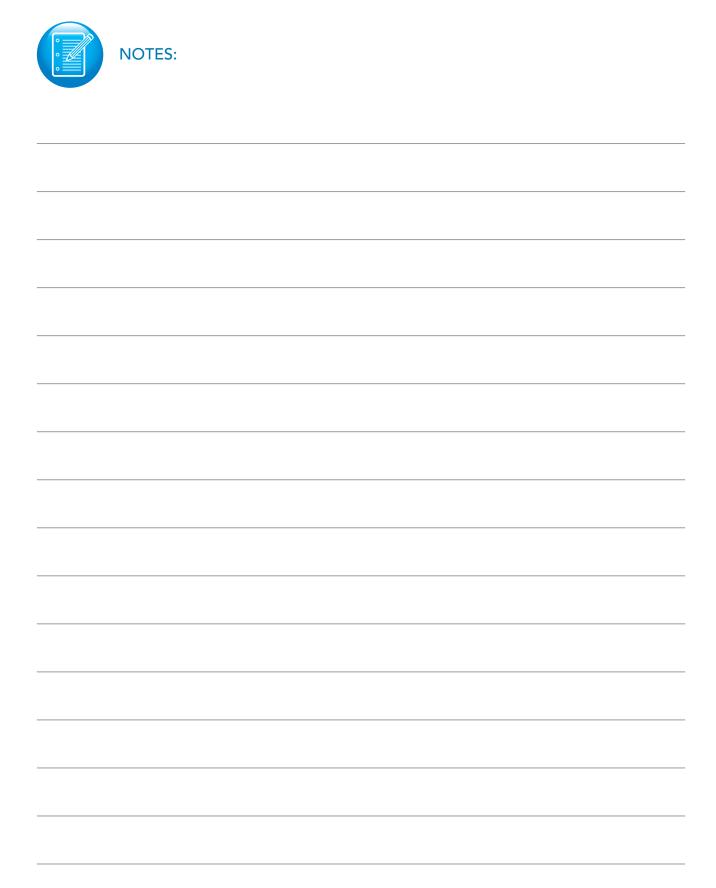
${\sf Description:}$

20349-V

Clear









Slimline® - Trans-Adjustable





Slimline® - Trans-Adjustable



STAR GRIP INTERNAL With directional internal 0.330" Orifice

0

METAL RING Ø86 MM

Article no.:

202450-PC 202450-CW 202452-PC

Description:

Star Grip Internal Chrome-plated ABS Classic White Round Grip Internal Chrome-plated ABS Article no.:

282401-PC 282401-CW Description:

Stainless steel Classic White



WALL FITTING

Use with 202450-PC



JET BODY

Flow.-adjustable Hole size: 69.9 mm (2 3/4")

Article no.:

202401-PC 202401-CW ${\sf Description:}$

Chrome-plated ABS Classic White Article no.:

202410M 202410 Description:

20 x 32 mm ID 1/2" x 1" ID



JET BODY

Flow-adjustable Hole size: 69.9 mm (2 3/4")

Article no.:

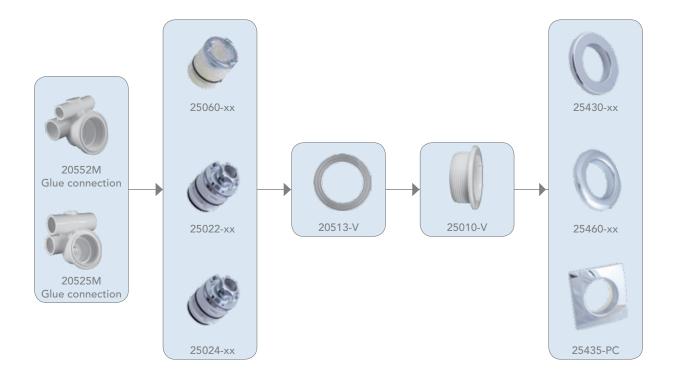
Description:

202412M

Jet Body V-Jet 32 mm ID x 3/8"



Trans- $\overline{\mathsf{Adjustable}}^\mathsf{TM}$ - $\overline{\mathsf{Flow-Adjustable}}$



Trans-Adjustable™ - Flow-Adjustable



FLAT TRANS-ADJUSTABLE ESCUTCHEON Ø80 MM

For wall fitting 25010-V

ROUNDED TRANS-ADJUSTABLE ESCUTCHEON Ø80 MM

For wall fitting 25010-V

Article no.:

25430-PC 25430-WH

Description:

Chrome-plated ABS White ABS

Article no.:

25460-PC 25460-WH

Description:

Chrome-plated ABS White ABS



SQUARE TRANS-ADJUSTABLE ESCUTCHEON 79.3 MM

For wall fitting 25010-V



TRANS-ADJUSTABLE INTERNAL

Triple Grip Pulse 0.312" orifice

Article no.:

25435-PC 25435-WH

Description:

Chrome-plated ABS White ABS

Article no.:

25060-PC

25060-WH

Description:

Chrome-plated ABS with clear pulse nternal. 0.312" orifice

White ABS with clear pulse internal. 0.312" orifice



TRANS-ADJUSTABLE INTERNAL

Star Grip Power Flow 0.280" orifice

Article no.:

Description:

25022-PC

25022-WH

Chrome-plated ABS with chrome eyeball. 0.280" orifice

White ABS with white eyeball.

0.280" orifice

(B

TRANS-ADJUSTABLE INTERNAL

Star Grip Power Flow 0.330" orifice

Article no.:

25024-PC

25024-WH

Description:

Chrome-plated ABS with chrome eyeball.

0.330" orifice

White ABS with white eyeball.

0.330" orifice



Trans-Adjustable $^{\mathsf{TM}}$ - Flow-Adjustable



TRANS-ADJUSTABLE JET BODY

Flow-adjustable Hole size: 61 mm Water: Hose 20-08329 Air: Hose 20-08209



Description:

20552M

32 mm ID water x 20 mm ID air. White PVC



TRANS-ADJUSTABLE JET BODY

Flow-adjustable Hole size: 61 mm Water: Hose 20-08329 Air: Hose 20-08329

Article no.:

20525M

Description:

32 mm ID water x 32 mm ID air. White PVC



WALL FITTING

For Trans-Adjustable Jets



GASKET

Article no.:

Description:

25010-V

Shaft length 22 mm. White ABS

Article no.:

Description:

20513-V

Clear





BathAirControls

Your Single Source Solution



Bath Air Controls

20 mm and 1/2" ID Air Controls



AIR CONTROL Ø46 MM

Under skirt with smooth snap cap Hole size: 34 mm



Description:

13643M-PC 13643M-WH 20 mm ID with 90° elbow. Chrome-plated ABS cap. White PVC body 20 mm ID with 90° elbow. White ABS cap. White PVC body



AIR CONTROL Ø46 MM

Under skirt with smooth snap cap Use with 20-0703 for 20 mm connection Hole size: 34 mm

Article no.:

13676-PC

13676-WH

Description:

1/2" ID. Chrome-plated ABS cap. White PVC

1/2" ID. White ABS cap. White PVC body



AIR CONTROL Ø46 MM

Under skirt with window snap cap Hole size: 34 mm



AIR CONTROL Ø46 MM

Under skirt with window snap cap Use with 20-0703 for 20 mm connection Hole size: 34 mm

Article no.:

13649M-PC

13649M-WH

Description:

20 mm ID with 90° elbow. Chrome-plated ABS cap. White PVC body 20 mm ID with 90° elbow. White ABS cap. White PVC body



Article no.:

13682-PC

13682-WH

Description:

1/2" ID. Chrome-plated ABS cap. White PVC hody

1/2" ID. White ABS cap. White PVC body



AIR CONTROL Ø50 MM

Under skirt with scalloped snap cap Hole size: 34 mm



AIR CONTROL Ø50 MM

Under skirt with scalloped snap cap Use with 20-0703 for 20 mm connection Hole size: 34 mm



13647M-PC

13647M-WH

Description:

20 mm ID with 90° elbow. Chrome-plated ABS cap. White PVC body 20 mm ID with 90° elbow. White ABS cap. White PVC body



13678-PC

13678-WH

Description:

1/2" ID. Chrome-plated ABS cap. White PVC

1/2" ID. White ABS cap. White PVC body



Bath Air Controls

20 mm and ½" ID Air Controls



YING YANG REPLACEMENT CAP Ø49 MM

For air controls136xx



SQUARUE REPLACEMENT CAP 44.5 MM

For air controls136xx

Article no.:

10329-PC 10329-WH

Description:

Chrome-plated ABS White ABS



10336-PC 10336-WH

Description:

Chrome-plated ABS White ABS



AIR CONTROL Ø44 MM

Top draw with handle cap Hole size: 27 mm



AIR CONTROL Ø44 MM

Under skirt with scalloped cap and window

Hole size: 27 mm



10-2200MEHA PC 10-2200ME WHT

Description:

20 mm ID \times 3/4" OD. Chrome-plated ABS

20 mm ID \times 3/4" OD. White ABS



Article no.:

10-2510MEHA

PC 10-2510ME WHT

Description:

20 mm ID \times 3/4" OD. Chrome-plated ABS

20 mm ID x 3/4" OD. White ABS



ADAPTOR

For 1/2" air controls to 20 mm ID



ADAPTOR

For 1/2" and 1" air controls to 32 mm ID



20-0703

Description:

20 mm ID x 1/2" OD. White PVC

Article no.:

10134M

Description:

White PVC



Bath Air Controls

Fittings for Air Controls



90° ELBOW FOR AIR CONTROL

To be used with 13676, 13682 and 13678 air controls.



90° ELBOW FOR AIR CONTROL

To be used with 10-2200ME and 10-2510ME air controls.

Article no.:

Description:

10359M

1/2" ID x 32 mm ID. White PVC

Article no.:

30-2293

Description:

3/4" ID x 1" ID. White PVC



VISIO ADAPTOR FOR AIR CONTROLS

To be used for 3/4" air controls 10-2200XX or 10-2510-xx

Air: Hose 20-08219and clamp 63098

Article no.:

60-0119

Description:

21 mm x 3/4" ID



ADAPTOR

Article no.:

Description:

10316-V 1/2" air to 3/8" barb





BathValves

Your Single Source Solution



Bath Valves

On/Off & Diverter Valves



ON/OFF VALVE Ø60 MM

Complete incl. handle Hole size: 52.2 mm Use with 20-0705 reducer for 32 mm



11-4050HA PC 11-4050A WHT

Description:

 $2\times1^{\circ}$ ID. Chrome-plated ABS Tear Drop Handle. White PVC body $2\times1^{\circ}$ ID. White ABS Tear Drop Handle. White PVC body



3 WAY DIVERTER VALVE Ø60 MM

Complete incl. handle Hole size: 52.2 mm

Article no.:

11-4020MEHA PC 11-4020AME WHT

Description:

 $32\times32\times32$ mm ID. Chrome-plated ABS Tear Drop handle. White PVC body $32\times32\times32$ mm ID. White ABS Tear Drop handle. White PVC body



POSISEAL

Complete incl. handle

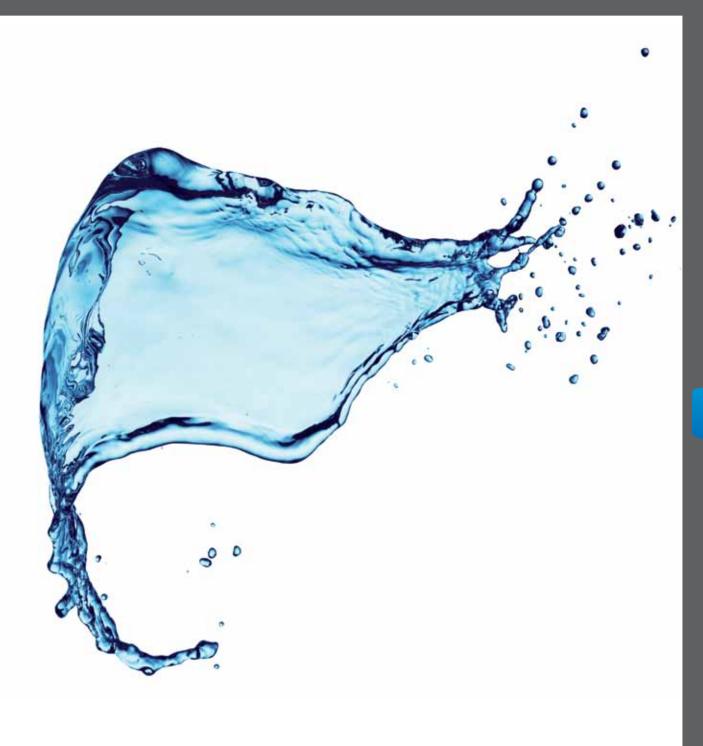
Article no.:

11-4033XX

Description:

100% Shut Off







Your Single Source Solution





1/2" Air Manifolds with 3/8" Barbs



1/2" AIR MANIFOLD 1-PORT



1/2" AIR MANIFOLD 90° ELBOW 1-PORT

Article no.:

73818 (1) 3/8" air barb. 1/2" OD. White PVC

Description:

Article no.:

Description:

73890

(1) 3/8" air barb. 1/2" OD. White PVC



1/2" AIR MANIFOLD 2-PORT



1/2" AIR MANIFOLD 4-PORT

Article no.:

10316-V

Description:

(2) 3/8" smooth barb. 1/2" OD. White PVC

Article no.:

72024

Description:

(4) 3/8" smooth barb. 1/2" OD. White PVC



1/2" AIR MANIFOLD 4+1-PORT

Article no.:

Description:

72025

(4 + 1) 3/8" smooth barb. 1/2" OD. White PVC

The state of the s

1/2" AIR MANIFOLD

Snap-off design to use as 2, 4 or 6 port manifold

Incl. cap and plugs

Article no.:

72016

Description:

(6) 3/8" barb, 1/2" ID x (2) 1/2" ID. White PVC



1" Air Manifolds with 3/8" barbs

1" AIR MANIFOLD 90°



1" AIR MANIFOLD 1-PORT



1-PORTTo be used with manifold 72091, 72080

Article no.:

73812

Description:

(1) 3/8" smooth barb. 1" OD. White PVC

Article no.:

73810

Description:

(1) 3/8" barb. 1" OD. White PVC

and 72082



1" AIR MANIFOLD 2-PORT



1" AIR MANIFOLD 2-PORT

Article no.:

72092

Description:

(2) 3/8" barb. 1" OD. White PVC

Article no.:

72094

Description:

(2) 3/8" barb. 1" ID. White PVC



1" AIR MANIFOLD 4-PORT

Article no.:

Description:

72004

(4) 3/8" smooth barb. 1" OD. White PVC

1" AIR MANIFOLD 5-PORT

Article no.:

72005

Description:

(5) 3/8" smooth barb. 1" OD. White PVC



32 mm / 1"Air Manifolds with 3/8" barbs



32 MM / 1" AIR MANIFOLD 4-PORT



1" AIR MANIFOLD 4-PORT

With plugged end

Article no.:

Description:

72095M

72091

(4) 3/8" barb. 32 mm ID x 32 mm OD. White PVC (4) 3/8" barb. 1" ID x 1" OD. White PVC

Article no.:

Description:

72097

(4) 3/8" barb. 1" ID x 1" OD. White PVC



1" AIR MANIFOLD 6-PORT

Article no.:

Description:

53015400

(6) 3/8" barb. 1" Socket x 1" OD White PVC



1" AIR MANIFOLD 8 PORT

Article no.:

72098

Description:

(8) 3/8" barb. 1" ID x 1" OD. White PVC



32 MM / 1" AIR MANIFOLD 8-PORT

Incl. 1" cap



32 MM / 1" AIR MANIFOLD 8-PORT

Incl. 1" cap

Article no.:

Description:

72082M

72082

(8) 3/8" barb. 32 mm ID x 1" OD. White PVC (8) 3/8" barb. 1" ID x 1" OD.

White PVC

Article no.:

72080M

72080

Description:

(8) 3/8" barb. 2 x 1" OD x 32 mm ID. White PVC (8) 3/8" barb. 2 x 1" OD x 1" ID.

White PVC



32 mm / 1" Air Manifolds with 3/8" barbs



1" AIR MANIFOLD 12-PORT

Article no.:

Description:

53016200

(12) 3/8" barb. 1" OD x 1" OD White PVC



1½"Air Manifolds with 3/8" barbs



1 1/2" AIR MANIFOLD 16-PORT

Article no.: | Description:

72086

(16) 3/8" barb. $1\frac{1}{2}$ " ID x $1\frac{1}{2}$ " OD with plugged OD end. White PVC



1 1/2" AIR MANIFOLD 16-PORT

Article no.:

Description:

53015500

(16) 3/8" barb. 1½" sockets x 1½" OD White PVC



50 mm / 1½" Water Manifolds with ¾" barbs



50 MM / 1 1/2" WATER MANIFOLD 4-PORT



50 MM / 1 1/2"WATER MANIFOLD 4-PORT

Article no.:

Description:

72044M

(4) 3/4" barb. 50 mm ID x 11/2" OD White PVC

72044

(4) 3/4" barb. 11/2" ID x 11/2" OD

White PVC

Article no.:

Description:

72045M

72045

(4) 3/4" barb. 50 mm ID x blind White PVC (4) 3/4" barb. 11/2" ID x blind

White PVC



1 1/2"WATER MANIFOLD 8-PORT

1555 J

50 MM / 1 1/2"WATER MANIFOLD 8-PORT

Article no.:

Description:

72088

(8) $3\!4$ " barb. $11\!\!/\!_2$ " ID x $11\!\!/\!_2$ " OD White PVC

Article no.:

Description:

72089M 72089 (8) $3\!\!\!/\!\!\!/$ barb. 50 mm ID x blind White PVC (8) $3\!\!\!/\!\!\!/$ barb. 1½" ID x blind

White PVC



3/8" & 1/2" Barb Fittings



3/8" TEE BARB



3/8" 4 WAY TEE BARB

Article no.:

Description:

73893

3/8" barb. White PVC

Article no.:

73894

Description:

3/8" barb. White PVC



3/8" BARB COUPLING



1/2" 90 °BARB

Article no.:

Description:

73896

3/8" barb. White PVC

Article no.:

Description:

73895

1/2" barb x 1/2" OD. White PVC



3/4" Barb Fittings



3/4" BARB



3/4" BARB

Article no.:

73480

Description:

3/4" barb. 1/2" OD. White PVC

Article no.:

73434

Description:

3/4" barb. 3/4" OD (1/2" ID). White PVC



3/4" BARB

Article no.:

72602

Description:

3/4" barb. 1" OD (3/4" ID). White PVC



3/4" Barb Fittings



3/4" 90° BARB

3/4" 90° BARB

Article no.:

Description:

73490

3/4" barb. 1/" OD

Article no.:

Description:

73590

3/4" barb. 1/2" OD, long. White PVC



3/4" Y BARB

Description:

73403

Article no.:

(3) 3/4" barb. White PVC



3/4" Y BARB

Article no.:

Description:

73410 3/4" x 1" x 3/4" barb. White PVC



Plugs for Barb



PLUG FOR 3/8" BARBS



PLUG FOR 3/4" BARBS

Article no.:

Description:

20203-V

White PVC

Article no.:

72048

Description:

White PVC



MANIFOLD PLUG FOR 3/8" BARB



MANIFOLD PLUG FOR 3/4" BARBED

Article no.:

943555

Description:

White PVC

Article no.:

Description:

47321900

White PVC



Plugs for Socket



MANIFOLD PLUG FOR 1/2" SOCKET

MANIFOLD PLUG FOR 3/4" SOCKET

Article no.:

Description:

86003500

White PVC

Article no.:

Description:White PVC

86003400

MANIFOLD PLUG FOR 1" SOCKET

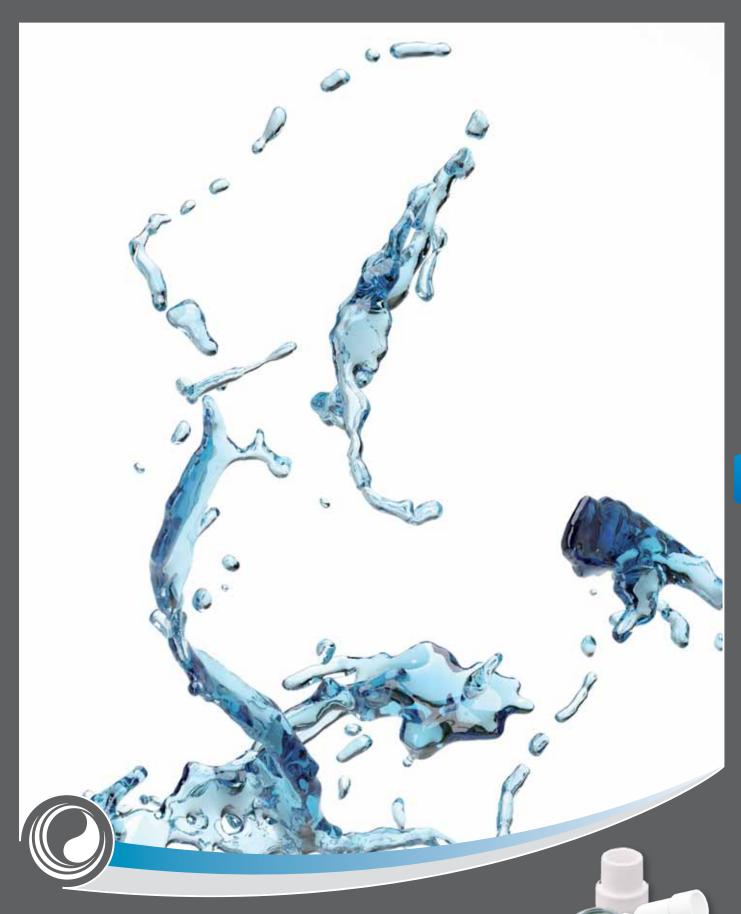
Article no.:

Description:

86003800

White PVC





BathFittingsAndHoses Your Single Source Solution



Tees



TEE White PV0

White PVC



REDUCING TEE
White PVC

Article no.:

27-03020 27-03032 27-03050

Description:

20 x 20 x 20 mm ID 32 x 32 x 32 mm ID 50 x 50 x 50 mm ID

Article no.:

20-0425 20-0712 31-1510

Description:

32 x 50 x 32 mm ID 32 mm x 1" x 32 mm ID 1 x 1 1/2 x 1" ID



REDUCING TEE Grey/White PVC

Article no.:

25-03320 25-03331 27-04041 27-04064

Description:

20 mm x 1/2" x 20 mm ID Grey PVC 32 mm x 1/2" x 32 mm ID Grey PVC $32\times20\times32$ mm ID White PVC $50\times32\times50$ mm ID White PVC



Elbows & Y-adaptors



ELBOW 45° White PVC



ELBOW 90° White PVC

Article no.:

25-02020 25-02032 25-02050

Description:

20 x 20 mm ID 32 x 32 mm ID 50 x 50 mm ID

Article no.:

27-01020 27-01032 27-01050 25-01550

Description:

20 x 20 mm ID 32 x 32 mm ID 50 x 50 mm ID 40 mm ID/50 mm OD x 50 mm ID



Y-ADAPTOR White PVC

Article no.:

2026 00360M 475-005 360

Description:





Adaptors



ADAPTOR

Grey PVC

Article no.:

25-05332

Description:

32 mm x 1" ID



ADAPTOR

Grey PVC

Article no.:

25-11020

Description:

20 mm ID/25 mm OD x 1/2" OD



ADAPTOR

White PVC

For 1/2" and 1" air controls to 32 mm



ADAPTOR

Article no.:

10134M 437-130

Description:

1/2" ID/1" OD to 32 mm ID. 1/2" ID/1" OD



72601

Description:

26 mm smooth barb x 1" OD (3/4" ID)



ADAPTOR

White PVC

Article no.:

Description:

01155M

50 mm ID x 1 1/2" OD. 3/8" barb



Reducers & Sockets



REDUCER White PVC



REDUCER
White PVC

Article no.:

27-06026 27-06032 27-06033 27-06052

Description:

20 mm ID \times 25 mm OD 20 mm ID \times 32 mm OD 25 mm ID \times 32 mm OD 32 mm ID \times 50 mm OD

Article no.:

20-0703 20-0705 33-4850 33-6350

Description:

20 mm ID x 1/2" OD 32 mm ID x 1" OD 50 mm ID x 1 1/2" OD 63 mm ID x 2"OD/50 mm ID



REDUCER

White or grey PVC



REDUCER

White PVC



33-5048 20-0757

Description:

50 mm ID x 1 1/2" ID (white) 50 mm ID x 2" OD (grey)

Article no.:

00113M

Description:

1" OD x 32 mm OD



SOCKET

White PVC

Article no.:

27-10020 27-10032 27-10050 429-010

Description:

20 x 20 mm ID 32 x 32 mm ID 50 x 50 mm ID 1" x 1" ID



Hoses



FLEXIBLE HOSE

White PVC



REINFORCED FLEXIBLE HOSE

White PVC For V-Jets

Article no.:

20-08209 20-08329 20-08509 160016 160027 160040 160050

Description:

20 mm OD. Roll of 25 m 32 mm OD. Roll of 25 m 50 mm OD. Roll of 25 m 1/2" OD. Roll of 30 m 1" OD. Roll of 30 m 1 1/2" OD. Roll of 30 m 2" OD. Roll of 30 m



Truck Ho..

504010 20-08259

Description:

10 mm ID x 16 mm OD 25.9 mm ID. Roll of 25 m



SUPPORT BRACKET

Hose support backet



RIGID PIPE

White PVC



Description:

22540-V

Mounting Clip For 1In Sch 40 PV



Description

20-1832 20-1850 SH-2113 SH-2114 SH-2115 SH-2116 32 mm OD. Length 3 m 50 mm OD. Length 3 m 1/2" OD. Length 1.5 m 1" OD. Length 1.5 m 1 1/2" OD. Length 1.5 m 2" OD. Length 1.5 m



REINFORCED FLEXIBLE TUBE

For 3/8" and 3/4" barbs Clear PVC



FLEXIBLE TUBE

Article no.:

Description:

20-0838

20-0834

10 mm ID x 15 mm OD. Roll of 50 m. For 3/8" barbs 20 mm ID x 28 mm OD. Roll of 50 m. For 3/4" barbs

Article no.:

20-0853 20-0871 20-0813 20-0811 Description:

3 mm ID \times 5 mm OD. Roll of 50 m. Clear PVC 7 mm ID \times 11 mm OD. Roll of 50 m. Clear PVC 8 mm ID \times 10 mm OD. Roll of 25 m. Clear PE 6 mm ID \times 8 mm OD . Roll of 25 m. Clear PE



Clamps and Plugs



HOSE/TUBE CLAMP



Article no.:

20-0923

HOSE/TUBE CLAMP

Article no.:	Description:
8010156	10 mm, metal double wire spring clamp. For 3/8" barb
63098	21 mm, metal double wire spring clamp. For 21 mm barb
WC10327	26 mm, metal double wire spring clamp. For 26 mm barb



HOSE/TUBE CLAMP



PLUG White PVC

Description:

11-13 mm ID. Metal



Article no.:

Description:

20-08048 20-0608 16.8 mm ID. Black plastic. For 3/8" barbs 36.7 mm ID. White plastic.



00055M 00015M 30-1015MW+

Description:

20 mm OD. 32 mm OD. 50 mm OD.



CAP

For 26 mm smooth barbs



CAP

White/grey PVC



Description:

20442-V 26 mm OD

Article no.:

15

Description:

1" OD.



Air Blower Hose & Check/Ball Valve



AIR BLOWER HOSE

To be used with hose cuff 20-0607 Not to be used with water

Article no.:

Description:

20-0606

32 mm OD. White PP. Roll of 15 m



HOSE CUFF

To be used with hose 20-0606

Article no.:

20-0607

Description:

32 mm ID. White



HOSE CLAMP

To be used with hose cuff 20-0607



BALL VALVE

With teflon seat and EPDM o-ring. Grey PVC

Article no.:

Description:

20-0608

36.7 mm ID. White PA



25-01132 25-01150

Description:

 $32 \times 32 \ \text{mm}$ ID. Length 117 mm. $50 \times 50 \ \text{mm}$ ID. length 148 mm.



CHECK VALVE

Opening pressure 45 mbar Grey PVC



BLOWER CHECK VALVE

Special blower version, opening pressure 13 mbar

Article no.:

25-110020 41223M 25-110050 41100

Description:

20 mm ID. Length 94 mm. 32 mm ID. Length 118 mm. 50 mm ID. Length 150 mm. 1"ID.

Article no.:

20-0603

20-0603HR

Description:

32 mm OD. White PVC. Not recommended for use at temperatures exceeding 60° 32 mm OD. Clear PC. Heat resistant



Quick Connections



QUICK CONNECTION



QUICK CONNECTION STRAIGHT

Article no.:

Description:

40-0220 10 mm ID x 1/4" Article no.:

20-8101 40-0221

Description:

Ø10 mm ID Ø8 mm



Article no.:

20-8102

40-0222

QUICK CONNECTION 90° ELBOW

20-8103 40-0223 QUICK CONNECTION TEE

Article no.:

Description: Ø10 mm ID Ø10 mm



Article no.:

20-8104

PLUG FOR QUICK CONNECTION

Description:

Description:

Ø10 mm ID

Ø8 mm

Ø10 mm ID

PLUG FOR QUICK CONNECTION



Article no.: Description:

20-8105

Male plug



Miscellaneous



PEVICOL GLUE

For PVC (not ABS)

Non toxic, non flammable

Article no.:

20-0950

Description:

0.57 kg bottle



DECORATION TRIM

Self-adhesive

Oval flexible tie with metal look

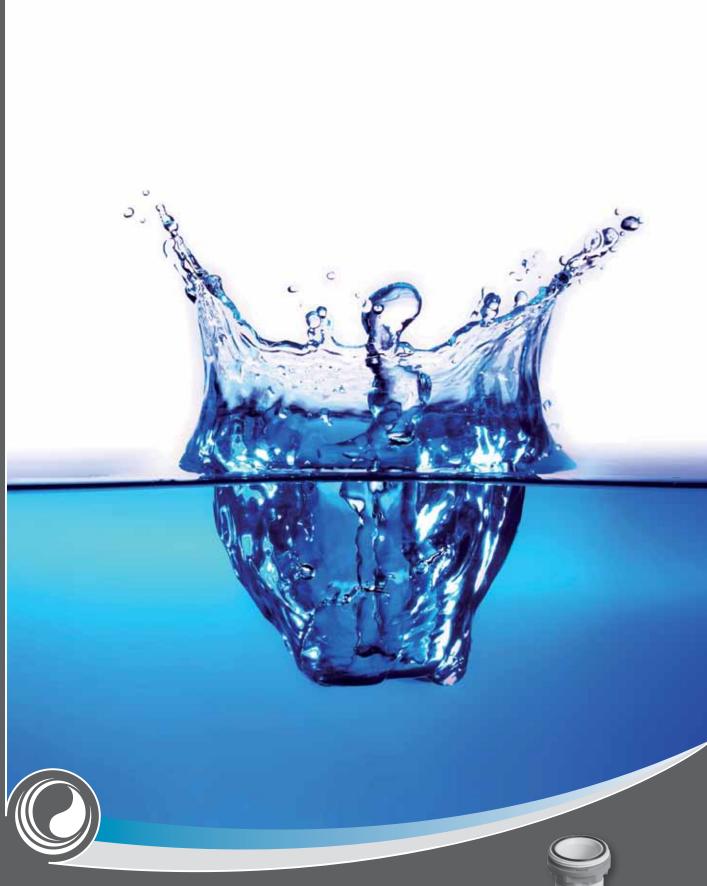
To be used on outside tub edges and

Article no.:

Description:

21-90096-PC Chrome-plated. Roll of 100 m





BathAromaTherapy

Your Single Source Solution



water group

Bath AromaTherapy

AromaTherapy Components



AROMATHERAPY DISPENSER

Use with 20-0705 and 25-06032 for 20 mm connection Hole size: 43 mm



Description:

13881

Bead dispenser. 1" ID



DISPENSER SMOOTH CAP

Article no.:

13886-PC 13886-WH Description:

Chrome-plated ABS White ABS



BEAD SCENTS

Use with dispenser 13881

Article no.:

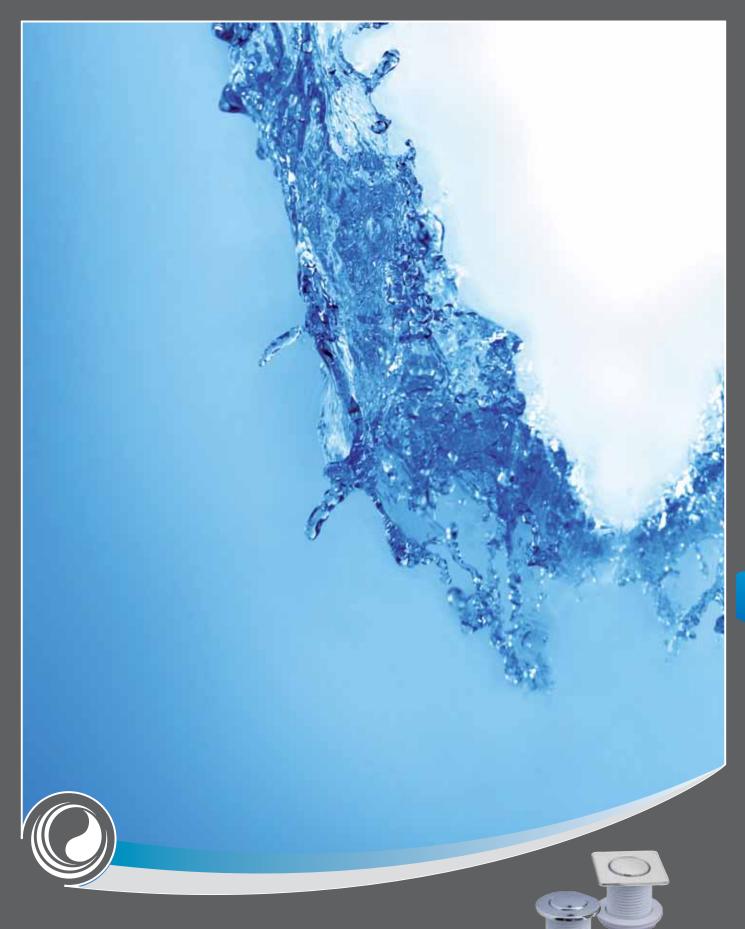
Description:

10404-V

Bead kit







BathPneumaticSystems

Your Single Source Solution



Bath Pneumatic Systems

Pneumatic Components



SLIMLINE® AIR BUTTON

2.17" w x 2.56" h Hole Size 45mm



132296-PC 132296-CW 182096-PC 182096-CW

Description:

Pneumatic Button Chrome-plated ABS Pneumatic Button White ABS Ring Chrome-plated ABS Ring White ABS



AIR BUTTON Ø46 MM

3 mm OD tube connection To be used with tube 20-0853 Hole size 33 mm

Article no.:

13085-PC 13082-WH

Description:

Chrome-plated ABS White ABS



REPLACEMENT SQUARE AIR BUTTON

Fits air button 1308x



PNEUMATIC CONTROL

Article no.:

13034-PC 13033-WH

Description:

Chrome-plated ABS White ABS

Article no.:

21-1041 21-1042

Description:

1 function 2 functions



REPLACEMENT AIR SWITCH

For pneumatic pumps, blowers, etc.

Article no.:

Description:

41-0255

Switch







BathElectronics Your Single Source Solution



LED Buttons







1 FUNCTION LED BUTTON,

Stainless steel. Cable Length 2 m. 5V. Cable incl. spade shoes

Hole size: 19 mm



Article no.:

Description:

 21-1620-5
 Blue LED ring

 21-1621-5
 Red LED ring

 21-1622-5
 White LED ring

 21-1623-5
 Green LED ring

 21-1625-5
 Orange LED ring



1 FUNCTION LED BUTTON W/ SYMBOL, Ø22MM

Stainless steel. Cable Length 2 m. 5V. Cable incl. spade shoes

Hole size: 19 mm

Article no.:

21-1640-5 21-1650-5 21-1660-5 21-1642-5

Description:

Blue LED ring and pump symbol Blue LED ring and blower symbol Blue LED ring and light symbol White LED ring and light symbol



Oval Touches



3 FUNCTION OVAL TOUCH

Black foil and chrome-plated ABS frame Size: 120×40 mm, hole size: 2 holes 21 mm and 6 mm

V/Hz: Max 30V/LED max 5V Cable length: 2 m

Article no.:

Description:

25-2643-PC

Pump, blower and light on/off*



4 FUNCTION OVAL TOUCH

Black foil and chrome-plated ABS frame Size: 120 x 40 mm, hole size: 2 holes 21 mm and 6 mm

V/Hz: Max 30V/LED max 5V Cable length: 2 m

Article no.: 25-2673-PC

Description:

Pump, blower and light on/off and universal symbol**



REMOTE CONTROL

RF (radio frequency) controlled For on/off controls 20-0243 and 20-0244 Can control up to 4 functions Incl. wall hanger

Article no.:

Description:

25-2604

Floating



^{*} For on/off controls

^{**} For on/off and variable controls

Round Touches



1 FUNCTION TOUCH Ø39 MM

For on/off controls White ABS frame, grey foil V/H: Max 12V/LED max 2V Cable length 2 m Hole size: 32 mm

Article no.:

23-3727 23-3737 23-3747 23-3777

Description:

On/Off Pump On/Off Blower On/Off Light On/Off



1 FUNCTION TOUCH Ø64 MM

For on/off controls White ABS frame, grey foil V/H Max 12V/LED max 2V Cable length 2 m Hole size: 54 mm

Article no.:

23-3039

Description:

Pump On/Off



2 FUNCTION TOUCH Ø64 MM

For on/off controls White ABS frame, grey foil V/Hz Max 12V/LED max 2V Cable length 2m Hole size: 54 mm

Article no.:

23-3609 23-3119

Description:

2 x On/Off Pump On/Off, Blower On/Off



3 FUNCTION TOUCH Ø64 MM

For on/off controls White ABS frame, grey foil V/Hz Max 12V/LED max 2V Cable length 2m Hole size: 54 mm

Article no.:

23-3619 23-3149

Description:

3 x On/Off Pump On/Off, Blower On/Off, Light On/Off



4 FUNCTION TOUCH \emptyset 64 MM

For variable controls White ABS frame, grey foil. V/Hz Max 12V/LED max 2V Cable length 2m Hole size: 54 mm

Article no.:

23-3649

Description:

Blower on/off, plus/minus, massage mode, pump on/off. Use with control 20-0312



5 FUNCTION TOUCH Ø64 MM

For variable controls White ABS frame. V/Hz Max 12V/LED max 2V Cable length 2 m Hole size: 54 mm

Article no.:

23-3669

Description:

Blower on/off, plus/minus, massage mode, pump on/off, light on/off. Grey foil. Use with control 20-0312



Round Touches



ESCUTCHEON Ø41 MM

For Ø39 mm touches



ESCUTCHEON Ø65 MM

For Ø64 mm touches

Article no.:

Description:

21-3475-1 40-3476 Chrome-plated brass Double sticky tape for escutcheon 21-3475-1

Article no.:

21-3495-1 40-3496

Description:

Chrome-plated brass Double sticky tape for escutcheon 21-3495-1



On/Off Controls



CLASSIC LINE ELECTRONIC CONTROL

230V/50Hz/16A

To be used with water level sensor 25-0211-5



ELECTRONIC CONTROL

3x400V/50Hz/3 x 20A

To be used with water level sensor 25-0211-12.

Incl. thermosensor. Max 9kW heater

Article no.:

20-0241

20-0242

Description:

1 function on/off. Can also be used for water inlet or water level control

2 functions on/off. Automatic dry-out of air system possible



Description:

21-0544

3 functions on/off + heater. Automatic dryout of air system possible



CLASSIC LINE ELECTRONIC CONTROL

230V/50Hz/16A

To be used with water level sensor 25-0211-5 With integrated RF module for remote control



REMOTE CONTROL

RF (radio frequency) controlled For controls 20-0243 and 20-0244 Can control up to 4 functions Incl. wall hanger

Article no.:

20-0243

20-0244

Description:

3 functions on/off. Automatic dry-out of air system possible

4 functions on/off. Automatic dry-out of air system possible

Article no.:

25-2604

Description:

Floating



Variable Controls



CLASSIC LINE VARIABLE CONTROL

V/Hz/A: 230V/50Hz/10A

To be used with water level sensor 25-0211-12

Article no.:

Description:

20-0312

20-0313

3 functions. 1 variable blower and 2 x on/off. To be used with touches with up/down in 2 separate buttons or LED buttons 3 functions. 1 variable blower and 2 x on/off. To be used with touches with up/down in 1 single button or LED buttons



System 500 Digital



SYSTEM 500 DIGITAL CONTROL - BATH

Blower on/off, up/down, massage mode, pump and light on/off. Incl. thermosensor. Possibility of setting requested temperature. Max 9kW heater. Adjustable timer function 1 - 30 min.

To be used with water level sensor 25-0211-12

Article no.:

Description:

20-0547 20-0547-2 3x400V/50Hz/3x20A 230V/50Hz/16A



TOUCH PANEL

To be used with control 20-0547 or 20-0548 only

To control pump, blower, light, heater (filter pump), temperature, time and massage mode. Cable length 2 m

Article no.:

Description:

23-3521-PC 23-3521 Grey foil, chrome-plated ABS frame Grey foil, white ABS frame



SYSTEM 500 DIGITAL CONTROL - SPA

Mastercontrol of filter pump and heater for spa. Blower on/off, up/down, massage mode, pump and light on/off

Incl. thermosensor. Possibility of setting requested temperature. Max 9kW heater. Adjustable timer function 1 - 30 min.

To be used with water level sensor 25-

Article no.:

Description:

20-0548 20-0548-2 3x400V/50Hz/3x20A 230V/50Hz/16A



PIC FOR 2 SPEED PUMPS

For control 20-0548

Filtration on low speed, massage therapy on high speed

Article no.:

Description:

40-5489-08

PIC



Electronic Accessories



WATER LEVEL SENSOR

Cable length 2 m



WATER LEVEL SENSOR

Cable length 2 m

Article no.:

Description:

25-0211-5

25-0211-12

5V. With snap-on connection. Incl. M12 cable gland. Grey $\,$

12V. With bare wires. Black.



Description:

25-0211-U Universal 4.5 - 30V. With snap-on connection. Black



CONTACTOR BOX

Additional power unit

Can be used for e.g. heater installation with standard controls or any other power consuming unit

Article no.:

Description:

22-0031

 $3\times400\text{V}/50\text{-}60\text{Hz}.$ Max. load $3\times400\text{V}/\text{max}.$ 9 kW



Electronic Accessories

UNIVERSAL JUNCTION BOX



40-0000

Article no.: Description:

White ABS including gasket.



COMPRESSION NUT

To be used with thermosensor 20-0502 and reducing tee 25-03320, 25-03331 or 25-03351

Article no.:

20-0212

Description:

3/8" ID x 1/2" OD



Disinfection



SCREW PLUG Ø50 MM

To be used with chemical container 20-5100 and nut 21-0935



20-5115-1

Description:

3/4" ID x 1" OD. Chrome-plated brass



CHEMICAL CONTAINER

1.5 | refill

To be used with screw plug 20-5115-1

Article no.:

20-5100

Description:

3/4" OD top x 1/4" OD bottom outlet



NUT

To be used with screw plug 20-5115-1

Article no.:

21-0935

Description:

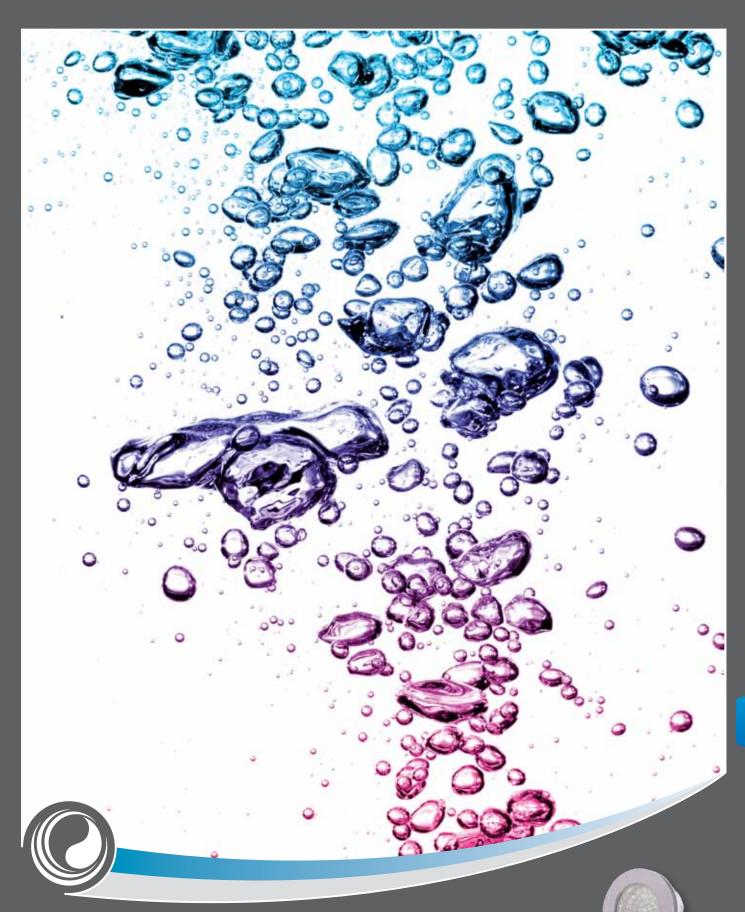
1" ID. Brass











BathLights Your Single Source Solution



String Lights

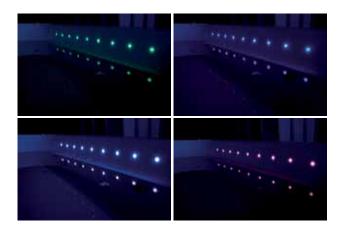
FOR STAND ALONE SYSTEM Electronic Control System e.g. 20-0241 Iron Core Transformer eg. 90-0752 or 20-0753 20-5920 20-5926 20-5924

Your Single Source Solution

6 x 59165 & 59164

6 x 59165 & 59164

String Lights



The String Lights can add that little extra to your whirlpool or spa.

With the 6 brilliant colours and the colour transitition program, you can add a touch of exclusitivity to your whirlpool system.

The string lights can be connected to any system with a 12V AC connection, or can be used as a stand-alone system, if connected to a control box and a LED button or other button/panel. Connect up to 24 lights in one system.



STRING LIGHTS

String light control box 12V 1.5A(1)



STRING LIGHTS

4 x LED spyder 2x60cm + 2x96cm 0.2A(2)

Article no.:

20-5920

${\sf Description:}$

String light control box 12V 1.5A(1)

Article no.:

Description:

20-5924

4 x LED spyder 2x60cm + 2x96cm 0.2A(2)



STRING LIGHTS

6 X LED SPYDER, 6X120CM, 0.2A(25)

Article no.:

Description:

20-5926

6 x LED spyder, 6x120cm, 0.2A(25)



Micro- & Spalite



MICROLITE ESCUTCHEON Ø51.8 MM

To be used with Microlites



SPALITE ESCUTCHEON Ø69 MM

To be used with Spalites

Article no.:

Description:

21-1925-1

Chrome-plated brass

Article no.: 21-1935-1

Description:

Chrome-plated brass



MICROLITE

12V, 35W

Hole size 37 mm



SPALITE

12V, 50W

Hole size 51 mm

Article no.:

Description:

21-1920 20-1930 Brass. No cable. Use with transformer

Brass. Incl. 2 m cable. Use with transformer

20-0755 side outlet

Article no.:

20-1960

Description:

Brass. Incl. 2 m cable. Use with transformer

20-0753 or 20-0754



LIGHT BULB

12V, 35W



Article no.: Description:

40-0767A

Halogen lamp 35 35W w/front cover.



Bath Lights Slimlite



SLIMLITE Ø52 MM

Stainless steel, incl. attached transformer Hole size 42 mm 230V/50Hz, cable length 1.5 m 2.8W



SLIMLITE Ø83 MM

Stainless steel, incl. attached transformer Hole size 64 mm 230V/50Hz, cable length 1.5 m 4W

Article no.:

21-1953-5

21-1950-5

Description:

Cool white 1W LED Blue 1W LED



21-1970-5 21-1973-5

Description:

Cool white 1W LED Blue 1W LED



SLIMLITE Ø52 MM COLOUR CHANGE

Stainless steel, incl. attached transformer Hole size 42 mm 230V/50Hz, cable length 1.5 m 2.8W



SLIMLITE Ø83 MM COLOUR CHANGE

Stainless steel, incl. attached transformer Hole size 64 mm 230V/50Hz, cable length 1.5 m 4W

Article no.:

Description:

21-1951-5

7 colours 1W LED

Article no.: 21-1971-5

Description:

7 colours 1W LED



SLIMLITE Ø52 MM COLOUR STOP

Stand alone system with built in electronics. To be connected directly to a touch or LED button

Stainless steel, incl. attached transformer Hole size 42 mm

230V/50Hz, cable length 1.5 m

2,8W

Description:

21-1955-5

Article no.:

7 colours 1W LED



SLIMLITE Ø83 MM COLOUR STOP

Stand alone system with built in electronics. To be connected directly to a touch or LED button

Stainless steel, incl. attached transformer Hole size 64 mm

230V/50Hz, cable length 1.5 m 4W

Article no.:

21-1975-5

Description:

7 colours 1W LED



Slimlite



SLIMLITE Ø52 MM COLOUR STOP WITH LED BUTTON

Stand alone system with built in electronics and LED button Stainless steel, incl. attached transformer

230V/50Hz, cable length 1.5 m 2,8W

Hole size 42 mm

Article no.:

Description:

21-1956-5

7 colours 1W LED. With LED button 21-1620-5



SLIMLITE Ø83 MM COLOUR STOP WITH LED BUTTON

Stand alone system with built in electronics and LED button Stainless steel, incl. attached transformer Hole size 64 mm 230V/50Hz, cable length 1.5 m 4W

Article no.:

21-1976-5

Description:

7 colours 1W LED. With LED button 21-1620-5



Transformers & Accessories



IRON CORE TRANSFORMER

0-20W

230V/50-60Hz

We recommend the use of iron core tranformer for String Light systems

Article no.:

Description:

90-0752

With cable. IPx5



IRON CORE TRANSFORMER

230V/50-60Hz

Article no.:

20-0753 20-0752 Description:

No cable. IPx0 0-35W No cable. IPx0 0-20W



ELECTRONIC TRANSFORMER

Min 20W - max 60W 230V/50-60Hz

Article no.:

Description:

20-0755

Incl. 2 m dable. IP67



UNIVERSAL JUNCTION BOX

Incude gasket.

Article no.:

Description:

40-0000

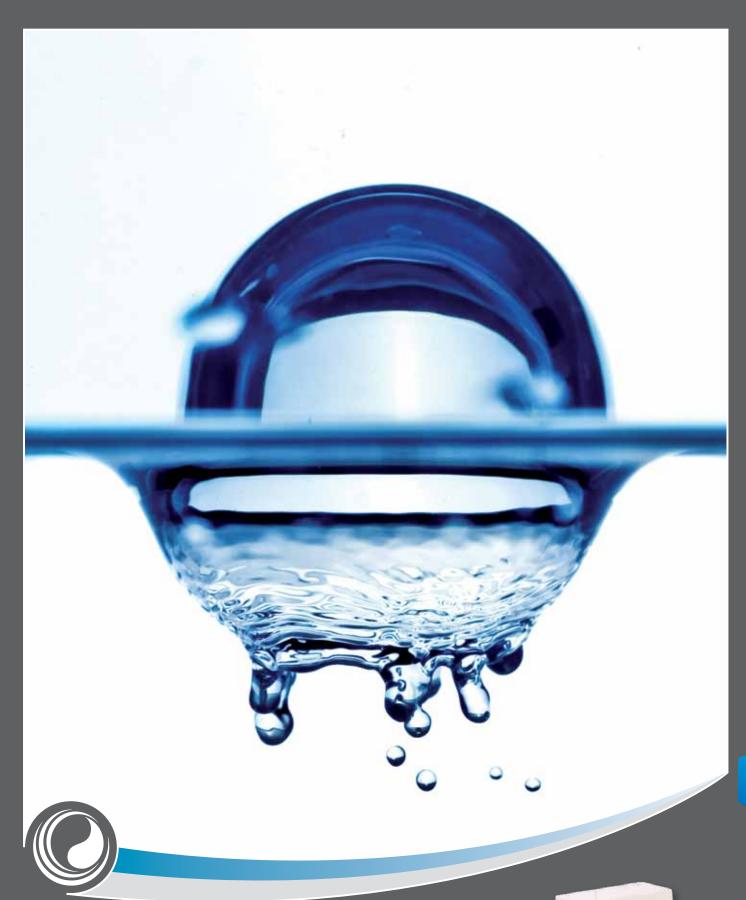
White ABS box











BathHeaters

Your Single Source Solution





Bath Heaters

1.5, 3 & 6kW Heaters



HEATER

1.5 kW Pressure Switch and Vacuum Switch Heaters 3.0 kW Vacuum Switch Heaters

Article no.:	Description:
20-5415 (1)X	Nominal voltage: 240x50/60Hz Nominal output: 1.5kW Nominal Current: 6.3A
20-5430 (1)X	Nominal voltage: 240, 50/60Hz Nominal output: 3.0kW Nominal Current: 12.5A



CONTACTOR BOX

Additional power unit

Can be used for e.g. heater installation with standard Controls. Or any other power consuming unit

Article no.:	Description:
	3 x 400V/50-60Hz. Max. load 3 x 400V/max. 9 kW





BathOzone

Your Single Source Solution



Bath Ozonator

Ozone Components

BATH OZONATOR



50 mg/h. Incl. transformer, 1.5 m hose and check valve

Lifetime 500 hours

Recommended air flow 2-10l/min.

Cable length 2 m

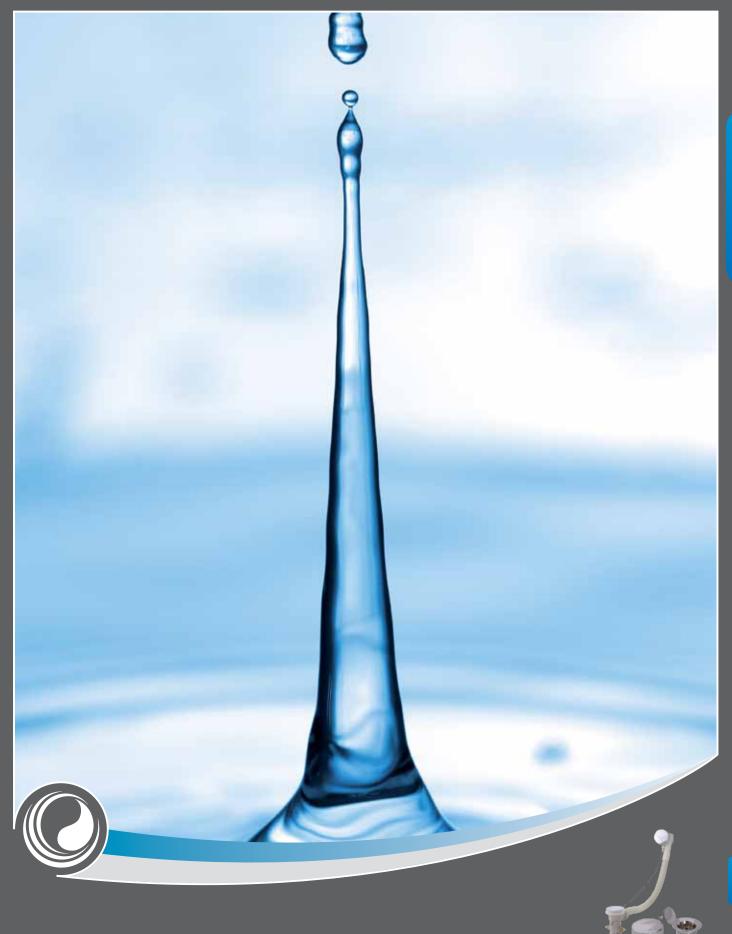
Article no.:

Description:

20-5130

230V/50Hz





BathDrain&Overflow

Your Single Source Solution



Bath Drain/Overflow

Drain/Overflow



DRAIN/OVERFLOW

Chrome-plated brass

Kit with handle, outlet and pop-up plug included



Description:

21-7845-1 21-7875-1 Length 450 mm, 1 1/2" OD Length 750 mm, 1 1/2" OD



DRAIN/OVERFLOW - EXTRA DRAIN CONNECTION

Chrome-plated brass

Kit with handle, outlet and pop-up plug included. For drainage of pump and jet or air jet system. 2 x 8 mm drainage barbs included

Article no.:

20-7745-1 20-7755-1 20-7775-1

Description:

Length 450 mm, 1 1/2" OD Length 550 mm, 1 1/2" OD Length 750 mm, 1 1/2" OD



DRAIN/OVERFLOW/WATER INLET

Chrome-plated brass

Without handle, outlet and pop-up plug. 2 x 8 mm drainage barbsincluded. To be used with 20-7040-1 and 20-7240-1.

Article no.:

20-7245 20-7275

Description:

Length 450 mm, water inlet 1/2" ID, 1 1/2" OD Length 750 mm, water inlet 1/2" ID, 1 1/2" OD





BATHTools

Your Single Source Solution



Tools

Tools



TOOL

For tightening Builder wall fittings 30-5793PVC WHT, 30-3901 PVC and 30-6903



TOOL

For tightening Builder wall fittings 30-5793PVC WHT, 30-3901 PVC and 30-6903

Article no.:

Description:

30-7825

White PVC

Article no.:

Description:

10-7825M

Metal



TOOL

For Budget wall fittings 20348-V and 20348L and Trans-Adjustable wall fitting 25010-V



TOOL

For Trimline $^{\text{TM}}$ wall fitting 20376-V and

For suction wall fittings 30139-V, 30157-V and 30147-V

Article no.:

Description:

22550-V

Clear

Article no.:

Description:

36335

Clear



TOOL

Removal tool for Trimline™ escutcheons

TOOL

Slimline Tools

Article no.:

Description:

20379-V

White

Article no.:

Description:

22555-V 20461-V 20-0020 20-0025

Tool for Trans Adjustable Slimline Jet insert Tool for Micro V-Jet Hex wrench 7/64"

Hex wrench 3/8"





Tools Tools



TOOL

For Dry Suction 19-6000-xx

Article no.:

Description:

19-6001OW

Metal



TOOL

For tightening pump unions in connection with Visio® Bath Concept

Article no.:

Description:

36-9099W

Metal



For Visio® wall fittings



Article no.:

Description:

60-0121

Metal



HOSE CUTTER

For max 32 mm hose

20-0866 40-0866

Article no.:

Description:

Hose cutter Spare blade



Tools



NOTES:	



UsefullInformation

Your Single Source Solution

Colour Codes

Bath Products Colour Offerings

COLOURS AVAILABLE ON ORDER - DELIVERY TIME TO BE EXPECTED

Almond

Biscuit

Black

Bone

Classic Bone

Grey

White

Classic White

Polished Brass

Polished Chrome

OTHER SPECIAL COLOURS AND FINISHES AVAILABLE - DELIVERY TIME TO BE EXPTECTED. PLEASE CALL FOR MORE DETAILS.

Oil Rubbed Bronze Polished Nickel



International Standard Terms of Sales & Delivery

§1.Intheabsence of any specific written agreement to the contrary between the parties. the standard terms of sale and delivery presented below shall apply to all sales of products and services to purchasers located outside of the United States of America by Balboa Water Group and/or any of its affiliated entities (collectively, the "company" as

§ 2. Drawings and description

Allinformation concerning weight, dimensions, capacity, technical and technological data, etc. as well as prices listed in catalogues, advertisements, photographic materia price lists and the like is approximate. Such information shall only be considered binding in the event that such is expressly stated in the confirmation of order issued by the company or in any form of written agreement signed by the company.

The company shall be entitled to change its prices and/or price lists at any time without the company of theadvance notice. In the absence of any written agreement to the contrary, sales shall be made using the prices for products set forth in the company's standard price list(s) applicable on the date on which the order was confirmed. Absent a written agreement to the contrary, all sales originating from the United States shall be in U.S. Dollars; all sales originating from Denmark shall be in either Danish Krones (DKK) or Euros (EUR) in the discretion of the company; and all sales originating from Australia shall be in Australian Dollars (AUD). Prices quoted are ex works (as such shipping term is defined in the Uniform Commercial Code (the "UCC") for sales originating from the United States or in INCOTERMS 2000, as published by the International Chamber of Commerce, Paris, France for international sales) from the company's facility, and are for products and standard packaging only and are exclusive of all installation, warehousing or other services or requests, and exclusive of all VATs, GSTs, tariffs, duties, export and import taxes, sales taxes, use taxes, inbound governmental charges or fees, documentation fees, regional taxes and fees and like levies or taxes. Any taxes, fees or duties which the company may be required to pay or collect relating to the sale, delivery, processing, use or transportation of the products shall be for the account of the purchaser who shall promptly reimburse the company on demand. Prices are based on the currency exchange rates applicable at the time the offer was made, and may therefore be amended by the company at any time to accommodate changes in the price/currency ratio. Prices quoted on custom products are open for the time stated in the quote or a maximum of thirty (30) days from the quotation date and are based on estimated quantities, labor and material requirements and other factors, and are subject to adjustment by the company from time

Delivery is exworks from the company's facility. Risk of loss for the products passes to the purchaser at the time of delivery by the company to the freight carrier at the point of shipment. The shipment will be sent at the risk and the expense of the purchaser and the company has no liability and shall not accept responsibility for loss or damage occurring in transit. Unless the company has received specific instructions in advance, the company shall be entitled to select the means of transport and delivery route. The purchaser will provide the company with a copy of all applicable export documentation associated with exporting products within fifteen (15) days after shipment from the port of export. The purchaser assumes the responsibility to obtain adequate insurance on each shipment. However, for shipments of products from Denmark to Danish customers only, the company shall take out and pay premiums for standard transport insurance to cover such shipments within Denmark. The company can also include the insurance premium as part of the freight on the invoice. This premium will usually be equal to 0.2% of the sum of the invoice, though not displayed separately.

§ 5. Freight policy

Unless otherwise agreed in writing, transportation, importand export costs are the sole responsibility of the purchaser, provided that:

GG Australia

Effective January 1, 2009, orders shipped from the GGA ustralia facility or designatedwarehouse and are not under contract, will be assessed a \$15 AUD fee for shipments under 3KG and a \$25 AUD fee for shipments exceeding 3KG.

Valencia-Canada

EffectiveJanuary1,2009,allpurchase orders exceeding \$15,000 for products shipped from our Valencia California location to locations within Canada will be shipped freight prepaid.

For products shipped from Denmark, purchasers will be required to pay a documentation fee of DDK 525/ EUR 70/ GBP 47/ USD 100 for export documents as well as dispatch fees for all orders with total net value of less than DKK 2,500/ EUR 350 GBP 240/ USD 430 of DKK 350/ EUR 50/ GBP 40/ USD 60.

§ 6. Delivery times

 $The delivery time quote disapproximate, with reservations for delays on account of Force \label{eq:force}$ Majeure Events (as defined below). Should any Force Majeure Event occur, delivery times will be postponed for a period equivalent to the duration of the event(s) in question Deliveries made on the postponed delivery date shall in all respects be considered to have been made on time. Insofar as the delivery time may be stated as specific number of days or weeks, this period shall be calculated from the time when the company received from the purchaser all the precise information required to implement the order. Insofar as the purchaser may fail to meet any payment obligations by or on the due dates of same, the delivery time shall be postponed for a period equivalent to the duration in the delay of the payment in question. Insofar as delays arise for reasons other than those mentioned above, such shall not entitle the purchaser to cancel any order either fully or in part unless the delay in question can be considered significant and the company fails to complete the delivery no later than 14 days after having been notified to do so in writing by the purchaser. The company reserves the right to delay shipment of phone orders until it receives a written confirmation of the order

§7. Payment

All payments for products will be paid in full in advance of shipment until credit is established. Payment shall be made in the applicable currency specified in Section 3 above on or before the date stated on the invoice. In the event that no such date is stated on the invoice, the sum owing shall be paid in cash in advance of shipment. Upon written approval by the company's credit department, invoices may be due thirty (30) days from the date of invoice or on such other terms as approved by the company's credit department in writing. The credit department may decline at any time to permit shipment of products hereunder until receipt of payment, establishment of a letter of credit or written agreement upon terms and conditions satisfactory to the credit department in its sole discretion. Payments shall be due on a pro rata basis in the case partial shipments are made by the company; provided that, delays in the delivery of a non-significant part of the shipment shall not entitle the purchaser to refrain from paying the full amount owing pursuant to the agreements reached. Should the purchaser fail to make payment on time, in addition to collection costs, the company shall be entitled to charge interest on the sum owing at the lesser of (a) 1.5 percent (1.5%) per month, or (b) the maximum percentage then permitted by law, in either case on the balance remaining from the time of delivery until such time as payment may be made. If the company retains a third party to collect overdue amounts, all collection costs resulting from such retainer, including, without limitation, legal fees and disbursements, shall be payable upon demand by the purchaser to the company.

In the event that the purchaser fails to accept or permit delivery on time for products that are to be delivered at a specific time, the company can choose to either sell said products at the purchaser's expense, having notified the purchaser of its intention to do so, or to store said products at the purchaser's expense such that the purchaser is required to pay all costs linked to the period of storage. Irrespective of any delays in delivery, the purchaser is in all events obliged to make the stipulated payment on or by the applicable due date. The purchaser bears the full risk and cost for any items placed

§ 8. Inspection

The purchaser is encouraged, immediately upon reception of the items purchased, to carry out an inspection of the products received with good business practice. The purchaser shall have no right to inspect any products prior to delivery, and any inspection of the products by the purchaser shall be made within eight (8) days after their arrival at the purchaser's receiving point. Failure to make inspection and provide the company with written notice specifying any claimed basis for rejection within that time will constitute deemed acceptance of the products and, if the purchaser has established credit terms, a final waiver of the right to make any inspection prior to full payment for all of the products.

§ 9. Conditions of ownership

If payment is not made before or at time of delivery, title to all products at any time delivered to the purchaser and which have not been paid for in full shall remain with the company until all payments have been made in full, and the purchaser hereby grants to the company a security interest (including without limitation, a purchase money security interest) in such products at any time delivered by the company to the purchaser, and in all replacements and substitutions thereof, all additions and accessories thereto, and all proceeds thereof, to secure payment of the purchase price of all products, any collection costs, and any other debts owing to the company by the purchaser, and interest thereon. The company and the purchaser agree that the security interest granted hereunder attaches upon the issuance of the purchaser order by the purchaser to the company. The purchaser agrees to do all acts necessary to perfect and maintain such right, title and security interest in the company. The purchaser, at its expense, shall fully insure the products against all perils until the company has been paid in full. § 10. Changes to design or product offering

The company reserves the right, prior to delivery and without notifying the purchaser in advance, to carry out such alterations to the design, construction, etc. of its products as the company may deem necessary in its discretion. Such alterations shall only entitle the purchaser to cancel an unfulfilled purchase order insofar as the purchaser proves that the purchase was conditional upon a specific design, construction or similar requirement. Changes made and any resultant cancellation of the purchase order does not entitle the purchaser to any form of compensation or damages, or to a proportional discount in the purchase price. The company reserves the right to discontinue products or product components at any time for any or no reason.

§11. Confidentiality

The purchaser agrees to protect and hold in strict confidence all trade secrets, proprietary and confidential information relating to the products or the company of which it has or gains knowledge. All drawings, estimates, description and other material of the company made available on the issuing of offers or deliveries are and shall remain the sole property of the company and may not, in the absence of express permission in writing from the company, be copied, presented to other companies or used as the basis for performing work. Drawings and other materials that the company has prepared for use in connection with offers are to be returned or destroyed on request.

§ 12. Packaging

Products will be shipped in standard packaging designated and supplied by the company from time to time in its discretion, which may vary depending on whether the shipment is made by air or ship or other common carrier. Product containers shall be accompanied by such packing I.D.s, and/or any other documents and materials as deemed necessary by the company. Custom packaging will only be available at the purchaser's expense pursuant to a written agreement, and company is not responsible for charges associated with overseas containers, containerizing or packaging for longterm storage, pier handling, marshalling, demurrage, lighterage, heavy lifts and the like. Boxes and/or other packaging returned will not be credited and will only be accepted on the basis of a written agreement.

§ 13. Returns

Products which are normally stocked by the company for sale (specifically excluding any custom products or products using or integrating purchaser's equipment) ordered in error may be returned, at the purchaser's expense, within thirty (30) days of delivery



International Standard Terms of Sales & Delivery

for credit, less an amount equal to 25% of the original purchase price, representing a restocking charge. No product is to be returned to the company by the purchase without the prior written consent, acceptance and authorization of the company, and all returns require a return authorization number which must be included on all shipping paperwork. The company shall have no liability for products damaged in shipment. apply for permission to return products, the purchaser must first complete the "Return Goods" form, which can be found on www.balboawatergroup.com for shipments from the United States and Australia, or www.hydroair.dk for shipments from Denmark, and then contact the company for further instructions.

§14. Company warranty policy

The company's limited warranty entitled "Balboa Water Group Limited Warranty" is accepted in its entirety by the purchaser as the sole warranty relating to the products, and is incorporated herein and made a part of these terms and conditions by this

§ 15. Product liability

The purchaser shall at all times indemnify, defend and hold the company and its present and former directors, officers, employees agents and affiliates (collectively "indemnities") harmless against all claims, proceedings, demands and liabilities of any kind whatsoever, including reasonable legal expenses and attorneys' fees, arising out of the death of or injury to any person or persons or out of any damage to property, resulting from the development, production, manufacture, sale, use, or advertisement of the purchaser's products. The purchaser shall obtain and carry in full force and effect at all times commercial, general liability insurance which shall protect the purchaser and the indemnities from all such claims. Such insurance shall be written by a reputable insurance company and shall be endorsed to include product liability coverage, and shall contain limits not less than those necessary to adequate insure for all such potential claims. The purchaser shall, upon request, provide the company with certificates of insurance from the insurance carrier evidencing the foregoing insurance coverage.

§ 16. Product information advice liability

Absent the existence of a specific written agreement to the contrary, any product information, technical advice or other informational assistance furnished by the company relating in any manner to its products shall be furnished without additional charge and will be given and accepted at the purchaser's sole risk. The company has no obligation to provide any information or assistance prior to receipt of the full purchase price from the purchaser for the products. The company will have no liability for damages, loss or expense arising out of the provision of information or assistance or any act or omission, including negligence, by the company or its agents. Notwithstanding the foregoing, in the limited circumstance where the company has supplied separate, non-standard written advice to the purchaser in the form of the preparation of specific, customized written calculations or in the form of a specific, customized written statement concerning the suitability of the items sold for a specified purpose issued to a purchaser who cannot reasonably be considered to possess the requisite professional knowledge of the area to be able to evaluate the suitability of the items without assistance, then the company shall accept limited liability only if the advice provided can be considered indefensible in relation to the knowledge the company possessed regarding the object of the advice at the time same was given. The company shall accept no liability for statements if it has been made clear that such statements are based on an approximate evaluation or estimation. Should errors be discovered in the written advice supplied by the company in connection with the delivery from the company, the purchaser shall, without undue delay and immediately after the purchaser has or should have become aware of the presence of the errors, inform the company of same. Should this provision be ignored or waived, the company shall only pay compensation for such losses as may have arisen as a direct consequence of the incorrect advice from the company at the time at which the purchaser should have informed the company.

In no event shall the liability of the company for losses incurred as a result of incorrect information or advice exceed the obligation to repair or replace the product in question with like product, and in no event shall the company be liable to purchaser for any amounts in excess of the purchase price paid for the individual product which is the subject of the cause of action. The liability of the company for losses incurred as a result of errors in information or advice shall lapse no later than one (1) year after the items to which the information or advice is linked have been delivered to the purchaser.

§ 17. Limitation on liability

THE COMPANY SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY DELAY IN PERFORMANCE OR OTHER BREACH OF THESE TERMS AND CONDITIONS AND IN NO EVENT, REGARDLESS OF THE FORM OF THE CLAIM OR CAUSE OF ACTION (WHETHER BASED ON CONTRACT, INFRINGEMENT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE), SHALL THE COMPANY'S LIABILITY TO THE PURCHASER EXCEED THE PURCHASE PRICE PAID FOR THE INDIVIDUAL PRODUCT WHICH IS THE SUBJECT OF THE CAUSE OF ACTION. IN NO EVENT SHALL THE COMPANY'S LIABILITY TO THE PURCHASER EXTEND TO INCLUDE INCIDENTAL, CONSEQUENTIAL, SPECIAL OR PUNITIVE DAMAGES. The term "consequential" damages" shall include, but not be limited to, loss of anticipated profits, operating losses, business interruption, loss of use or revenue, cost of capital, fines or other indirect losses, or loss or damage to property or equipment.

§ 18. Minimum orders

No orders will be accepted under: \$250.00 USD

1500 DKK 200 GBP

200 FUR

§ 19. Governing laws and venue

By issuing a purchase order to the company, the purchaser accepts these terms and conditions as applicable therein. Any blanket replacement by the purchaser's terms and conditions is hereby rejected, and in the event of any inconsistency between the terms and conditions hereof and the purchase order, the terms and conditions hereof

shall prevail in all instances. For shipments originating from the United States, these terms and conditions shall be governed by, interpreted under, and construed and enforced in accordance with the internal laws of the State of California, U.S.A. applicable to agreements made and to be performed wholly within the State of California, U.S.A., including without limitation the California Uniform Commercial Code and excluding the application of the United Nations Convention on Contracts for the International Sale of Goods and INCOTERMS 2000. In the event a judicial proceeding is necessary, the sole forum for resolving disputes arising under or relating in any manner to these terms and conditions and any purchase order for shipments originating from the United States are the state or federal district courts located in the County of Orange, State of California, U.S.A. and all related appellate courts, and the parties hereby consent to the jurisdiction of such courts, and that venue shall be in County of Orange, State of California, U.S.A. For shipments originating from Denmark, these terms and conditions shall be governed by, interpreted under, and construed and enforced in accordance with the normal rules of Danish law, excluding, without limitation, the application of the United Nations Convention on Contracts for the International Sale of Goods, and any and all disputes shall be heard solely by Esbjerg Court, Denmark. For shipments originating from Australia, these terms and conditions shall be governed by, interpreted under, and construed and enforced in accordance with the internal laws of the Province of Victoria of Australia excluding, without limitation, the application of the United Nations Convention on Contracts for the International Sale of Goods, and any and all disputes shall be heard solely by the provincial court located in Melbourne, Australia.

Each party hereto waives any right to challenge or move the foregoing designated jurisdictions and venues on grounds of inconvenient forum. Service of process may be made in any manner provided for by applicable law, and for shipments from the United States, if purchaser is not otherwise subject to service of process in the State of California, purchaser agrees to and does hereby irrevocably appoint the Secretary of State of the State of California as purchaser's agent for the acceptance of service of process, and a copy of such process shall be mailed by company to purchaser at purchaser's last known address. These terms and conditions are binding upon and enure to the benefit of the parties hereto and their respective heirs, executors, successors and permitted assigns, as the case may be. Except with the prior written approval of the company, the purchaser may not assign a purchaser order or the terms and conditions applicable to it. If any provision contained herein is determined to be invalid or unenforceable in whole or in part, such invalidity or unenforceability shall attach only to such provision and all other provisions shall remain in full force and effect.

§ 20. Force majeure

The company shall not be liable for any delay in performance, shipment or delivery or inability to provide the purchaser with any products due to causes beyond its reasonable control, including, without limitation, strikes, lock-outs, riots, wars, terrorism, mobilization impoundment, currency restrictions, obstacles to transport, restrictions on fuel or materials, weather, fire, flood, earthquake, other Acts of God, governmental order or regulation, missing or incomplete deliveries from subcontractors, loss of electricity, and acts of the purchaser (including failure to timely provide the company with requested evidence that any export or import license or permit has been issued to the purchaser) or any other such causes beyond the control of the company (collectively, "Force Majeure Events"). Performance, shipment and/or delivery shall be deemed to be suspended for so long as performance of the same is delayed due to causes beyond the company's reasonable control, and the purchaser agrees to accept deliveries whenever such causes have been remedied in accordance with the terms of the "Delivery times" section above.

All transactions hereunder shall at all times be subject to and conditioned upon compliance with all applicable export control laws and regulations, including those of the country from which products are shipped and those of the U.S. Government. The purchaser agrees that it shall not, except as said laws and regulations may expressly permit, make any disposition by way of transshipment, re-export, diversion or otherwise of U.S. origin goods and technical data (including computer software), or the direct product thereof, supplied by the company hereunder. The obligations of the parties to comply with all applicable export control laws and regulations shall survive any termination, or discharge of any other contract obligations. The purchaser undertakes to keep itself fully informed of, and to comply with, the applicable export control laws and regulations, including those of the U.S. Government and any amendments thereof Notwithstanding any other provisions herein, the purchaser shall be responsible for timely obtaining any required authorization, such as an export license, import license, foreign exchange permit, work permit or any other governmental authorization, even though any such authorization may be applied for by the company. The parties shall provide each other reasonable assistance in obtaining required authorizations. The company shall not be liable if any authorization is delayed, denied, revoked, restricted or not renewed and the purchaser shall not be relieved thereby of its obligations to pay the company for its products or services or any other charges which are the obligation of the purchaser hereunder. The purchaser certifies that the products, materials, services, technical data, software or other information or assistance furnished by the company will not be (a) used by any individual or entity listed as a prohibited party on any list of the U.S. Government or foreign country of prohibited or denied parties, (b) sent to any party in a country listed as a prohibited country by the U.S. Government or any foreign country, or (c) used in the design, development, production, stockpiling or use of chemical, biological, or nuclear weapons either by the purchaser or by any entity acting on the purchaser's behalf.

The purchaser shall not make or authorize any news release, advertisement or other disclosure which directly or indirectly identifies the company as the source of products without the prior written consent of the company in each instance

§ 23. Definitions

As used herein, the "company" is comprised of the following affiliated entities and divisions: Balboa Water Group, a Delaware corporation; Balboa Instruments, Inc., a California corporation; HydroAir; HydroAir International and GG Industries



International Warranty Terms

Balboa Water Group, a Delaware corporation, and its affiliated entities (collectively "BWG," as defined below), warrants to trade purchasers of its products that the products will be free from defects in workmanship and material under normal use and conditions for a specified length of time as outlined below. BWG reserves the sole authority to make any type of warranty or representation concerning our products. BWG will not be responsible for any warranty or representation made by any outside source, including dealers, distributors, retailers, contractors or OEMs,

1. LIMITED PRODUCT WARRANTY

- a. Subject to the limitations set forth below, BWG warrants that its products will be free of defects in material and workmanship under normal use.
- b. All products or components thereof purchased by BWG from a third party for resale to purchaser shall carry only the warranty extended by the original manufacturer.

2. USE OF INSTRUCTIONS

- a. Purchaser should carefully read the instructions supplied prior to installing or using the product. If purchaser does not have the instructions, please request them from customer service, at the numbers provided.
- b. Products are to be operated only in accordance with the instructions provided.
- c. The warranty is void if the product is used in a manner not in accordance with the instructions

3. WARRANTY COVERAGE

- a. If a product proves to be defective in material or workmanship during the applicable warranty period then BWG will, at its sole option, either repair or replace the product with like product. Purchaser shall pay all disassembly, removal, refitting and installation costs.
 - b. Replacement product may include remanufactured or refurbished parts o components
 - c. Replacement product may include an appropriate substitute product.
- d. All warranty claims must be applied for within sixty-days (60) from when the defect becomes known

4. WARRANTY PERIOD

Refer to Appendix A labeled "Product Warranty" to find the warranty time period applicable to each product category or family.

5. WARRANTY PROCESS

Any warranty claim must be processed with BWG only by the trade purchaser (manufacturer or distributor) who originally purchased the products from BWG. See "How to Get Service" below for further details.

6. WARRANTY EXCLUSIONS

- This warranty does not extend to and is void for any products that have been subjected to:
 - i. Improper installation or storage;
 - ii. Improper maintenance;
 - iii. Repairs or alterations not authorized or performed by BWG;
 - iv. Accident, damage, abuse, misuse or problems with electrical power;
 - v. Abnormal or unusual operating conditions or applications;
 - vi. Use not in accordance with product instructions for intended purposes, or use beyond rated capacity, or use in non-residential applications or multi-tenant residential common area applications of more than eight units;
 - vii. A purpose or application in any way different from that for which products were designed; viii. Color variations within a product line or material are common within
 - the industry, and are not the responsibility of BWG. BWG does not warrant any product returned due to mismatching of a color to a particular line or material for which the color was selected.

7. SPARE PARTS AND TECHNICAL ADVICE

- Spare parts are usually stocked by BWG for a reasonable amount of time following the last production run of the product in question.
- BWG does not warrant that spare parts will be made available for the duration of the warranty coverage or any other specific period of time, and reserves the right to cease supplying spare parts or providing facilities for the repair of spare parts in its discretion.
- c. Any technical advice or assistance furnished by BWG with respect to its products covered by this warranty shall be furnished without charge and will be given and accepted at purchaser's sole risk.

8. HOW TO GET SERVICE

Products cannot be returned to BWG without prior approval and a return authorizationnumber that must be applied on all shipping documents and boxes. Shipments must be via pre-paid freight to the location specified by BWG.

- a. To start the warranty process, please contact a customer service representative at the numbers provided.
 - You will need to provide the following:
 - i. The product
 - ii. Confirmation, in writing, specifying the nature of the claim
 - iii. Proof of the date of original purchase
 - iv. Full contact details, including name and address v. The serial number, if applicable
- c. Freight is at sender's expense unless otherwise authorized by BWG.
 d. A \$50 USD/ 40EUR hourly fee plus reimbursement of all shipping expenses, if applicable, will be charged to purchaser for any merchandise returned for inspection

that does not reveal defects of material or workmanship.

9. LIMITATION OF WARRANTIES

BWG'SSOLERESPONSIBILITYFORDEFECTSINMATERIALSANDWORKMANSHIPIS STRICTLY LIMITED TO REPAIR OR REPLACEMENT AS SET FORTH IN THIS WARRANTY STATEMENT. BWG EXPRESSLY DISCLAIMS AND EXCLUDES ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCTS, INCLUDING BUT NOT LIMITED TO ANY

IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT WARRANTIES, AND SPECIFICALLY DISCLAIMS ALL LIABILITIES TO THIRD PARTIES. In no event shall BWG be liable to purchaser for any amounts in excess of the purchase price paid for the individual product which is the subject of the cause of action.

10. EXCLUSION OF DAMAGES

This is BWG's sole and exclusive warranty and supersedes and replaces all other warranties, written or oral, expressed or implied. BWG will not be liable for any loss, liability, damage, expense, cost or obligation, whether direct or indirect, including but not limited to water damages, removal and replacement labor, damages due to delay in performance, property loss, injury, death or any other consequential, incidental, special or punitive damages of any type, resulting from the purchase or use of its products, and purchaser assumes all such risks and shall indemnify, defend and hold BWG harmless from all such risks and shall carry adequate insurance against all such risks. The term "consequential damages" shall include, but not be limited to, loss of anticipated profits business interruption, lose of use of revenue, cost of capital or loss or damage to

Further, BWG does not assume liability for defective products or software or damage caused by defective products or software not manufactured or sold by it even though such products or software may be used in conjunction with BWG's products. This warranty is NOT a consumer warranty, is not transferable or assignable (by operation of law or otherwise), and does not extend to anyone other than those who purchase products directly from BWG.

11 GOVERNING LAWS AND VENUES

For products shipped from the United States, this warranty will be interpreted and enforced in accordance with the laws of the State of California regardless of any choice of law principles and excluding the application of the United Nations Convention on Contracts for the International Sale of Goods and INCOTERMS 2000. The parties will submit any dispute or claim arising under or relating to this warranty to the exclusive jurisdiction of the U.S. federal or California state courts within the County of Orange, State of California, and the parties hereby submit to, and waive any objection to, personal jurisdiction and venue in such courts for such purpose. For products shipped from Denmark, this warranty shall be governed by, interpreted under, and construed and enforced in accordance with the normal rules of Danish law, excluding, without limitation, the application of the United Nations Convention on Contracts for the International Sale of Goods, and any and all disputes shall be heard solely by Esbjerg Court, Denmark. For products shipped from Australia, this shall be governed by, interpreted under, and construed and enforced in accordance with the internal laws of the Province of Victoria of Australia excluding, without limitation, the application of the United Nations Convention on Contracts for the International Sale of Goods, and any and all disputes shall be heard solely by the provincial court located in Melbourne, Australia. If any provision of this warranty is found by a court of competent jurisdiction to be unenforceable, that provision will be severed and the remainder of this warranty will continue in full force and effect.

12. DEFINITIONS

As used herein BWG is comprised of the following affiliated entities and divisions: Balboa Water Group, a Delaware corporation; Balboa Instruments, Inc., a California corporation; HydroAir; HydroAir International and GG Industries.



International Warranty Terms

APPENDIX A PRODUCT WARRANTY Specific Product Warranty Warranty applies to residential applications only			
Covered Product	Limited Warranty Period	Exceptions	
Spa Electronic Systems: EL,GL,VS,GS	1 Year From Date of Manufacture	Heaters are warranted as a complete heater unit. Removal of the heater element from the heater tube, probes, sensors or altering any component at any time	
All other systems and components when sold separately and all other items not listed. This includes bath controls, topsides, heaters, and related components.	1 Year From Date of Manufacture	before returning to BWG voids the warranty.	
Spa Control Panels: ML, VL, Auxiliary	1 Years From Date of Manufacture		
Ozone Generators:	1 Year From Date of Manufacture		
Accessories: All other products including spa accessories, wireless panels, pressure switches, misc. components, spa monitor, Mighty-Vac, lighting, stereo and accessories, etc.	1 Year From Date of Manufacture	Batteries	
Plastic Fittings and components:	1 Year from Date of Purchase		
Blowers & Vacs:	1 Year From Date of Manufacture	If pipe is glued to the base of the Blower, warranty will be voided.	
Pumps:	1 Year From Date of Manufacture Label Program	56 Frame Spa pumps 3 years from date of motor manufacture	
Circuit Boards: Repaired out of warranty circuit board	90 days	From date of repair	
Circuit Boards: Sold used and reconditioned circuit boards	90 days	From date of shipment	

G120-2AN-S	20-0427
G120-2NN-S	20-0547
G50-2ANT-S	20-0547-2
G50-2HN-S	20-0548
G50-2NN-S	20-0548-2
G50-2VN-S	20-0603
G50-2VNT-S	20-0603HR
G70-2HN-S	20-0606
G70-2NN-S	20-0607
G70-2VH-S	20-0608
G90-2AN-S	20-0617
G90-2HN-S	20-0703
G90-2NN-S	20-0705
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O-226B70	20-0752129
SH-2113	20-0753129
SH-2114	20-0755129
SH-2115	20-0757
SH-2116	20-0809
UK00472	20-810x
UK00637	20-0811
UK01658A 19	20-0813
UK0166319	20-083454, 102
WC10327	20-0838
10-2200MEHA PC 81	20-0853
10-2200ME WHT 81	20-0866
10-2510MEHA PC	20-0871
10-2510ME WHT	20-0923
10-2710PC	O-215E70
10-3955HA PC	20-0950
10-3955WHT65	20-1016
10-7825M	20-1017
11-4020AME WHT	20-1832
11-4020MEHA PC	20-1850
11-4050A WHT	20-1920
11-4050HA PC	20-1960
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16-2672HA PC	20-4010
16-2672WHT	20-4013-1
16-2700R PC	20-4013-x
16-3955HA PC	20-4015-1
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20-0313	20-7745-1
20-0425	20-7755-1



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20-08259	22-1054
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21-0457	22-7352
21-0544	22-7450
21-0925	22-7620
21-0935	22-40171
21-1015	22-46171
21-1019	22-46671
21-1020-1	22-73501
21-1021	22-73521
21-1021	22-74501
21-1041	
	22-74521
21-1052-1	22-76021
21-1083	23-3039
21-1085	23-3119
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21-1093	23-3521
21-1620-5	23-3521-PC118
21-1621-5	23-3609114
21-1622-5	23-3619114
21-1623-5	23-3649114
21-1625-5	23-3669
21-1640-5	23-3727
21-1642-5	23-3737
21-1650-5	23-3747
21-1660-5	23-3777
21-1920	25-0211-5
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21-1951-5	25-0103299
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21-1955-5	25-01132
21-1956-5	25-01150
21-1970-5	25-01550
21-1971-5	25-02020
21-1973-5	25-02020
21-1975-5	25-02050
21-1976-5	25-2604
21-2671A	25-2643-PC
21-3475-1	25-2673-PC
21-3495-1	25-0302098

25-0303298	429-010
25-03050	437-130
25-03320	437-211
25-03331	475-005
25-03620	01155M
25-04041	
	2026
25-0406498	10134M
25-05332	10316-V
25-06026	10329-PC
25-06032	10329-WH
25-06033101	10336-PC
25-06052101	10336-WH81
25-10020	10359M 82
25-10032101	10404-V
25-10050	10470-V
25-11020100	10471-V
25-110020	10472-V
25-110050	10473-V
27-06052	10474-V
30-2293	13033-WH110
30-3901PVC	13034-PC
30-390366	13082-WH110
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30-5793PVC WHT 66	13468L-PC
30-7825	13468L-WH
31-151098	13468-PC
33-4850	13468-WH
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33-6350	13643M-WH80
36-9099W	13647M-PC80
40-0220	13647M-WH80
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40-3496	13682-PC
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41-0255110	13881
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328P23	20255-PC
328P49	20255-WH
328P71	20281-PC
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00360M99	20283-PC
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20284-WH	25022-PC
20321M	25022-WH
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20345-V	25024-PC
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20349-V	25024-xx
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20352-V	25060-WH
20376L	25060-xx
20376-V	25430-PC
20379-V	25430-WH
20442-V	25430-xx
20443-V	25435-PC
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23340-PC	3633569, 138
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23346-PC	52123M
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23387-PC	59165
23388-PC	63098
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23410-PC	72016
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23412-PC	72025
23415-WH71	7204895
23420-PC	72080
23420-WH71	72080M 88
23425-PC	72082
23810M	72082M 88
23826-V 52, 54, 55, 59	72089M91
23834-V 52, 54, 55, 60	72091 88
23835M	72092 87
23850M 52, 54, 55, 59	7209487
25010-V	72095M 88

72097	3
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132296-CW110)
132296-PC)
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160040	2
160050	
182096-CW110	
182096-PC	
202201-PC	
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202206	
202209	
202269-V	
202300-CL	
202300-PC	
202300-WH	7
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202306-CL	
202309	3
202310AM 68, 69	9
202312A-CL	3
202314	3
202315-PC	3
202316-PC	
202318	
202320-PC	
202401-CW	
202401-CW 74, 75	
202401-FC	
202410M	
202412M	
202450-CW	
202450-PC	
202452-PC	5



Balboa Water Group World-Wide

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