

AQUEA

BUBBLER+



BRING YOUR WATER TO LIFE

THE SIMPLE MODULAR BUBBLER SYSTEM FOR CONCRETE POOLS AND SPAS

The BUBBLER+ modular system, allows you to create the perfect bubbler layout for your pool or spa. Whether it's seats, foot wells, benches, steps, beach entries, or pool windows - the possibilities are endless.

The unique manifold design ensures even nozzle spacing, forming a fully sealed air loop that eliminates leaks, prevents damage to pool finishes, and avoids the rework often required with traditional bubbler installations.

Compact, slip-fit nozzles provide a clean, discreet finish and are available in a variety of colours to match your pool interior. Suitable for both rendered and tiled pools, the closely spaced nozzles produce a stunning visual effect with a consistent spread of bubbles across the water's surface.

BUBBLER+ is the reliable way to add visual impact to your next pool or spa project.



Closely spaced nozzles for an even spread of bubbles on water's surface



Neat and discreet finish in pool interior

AQUEA PRODUCTS ARE PROUDLY DESIGNED IN AUSTRALIA

SMART DESIGN

BUBBLER+'s Construction Caps keep the air-loop clear of concrete, render and grout during construction. slip-fit nozzles fit securely to hide riser pipes, tile cuts, and pebble edges, ensuring a beautiful finish.

SUPERIOR RELIABILITY

BUBBLER+'s fully sealed air loop system significantly reduces the risk of leaks, pool finish damage, and the potential for costly rework associated with traditional 'drilled' bubbler systems.

SCALEABLE SYSTEM

Create an air-loop with up to 36 nozzles using standard air blowers.*

ADAPTABLE SET-UP

Modify risers or replace them with standard DN15 Class 18 pressure pipe to suit specific applications. If needed, manifold outlets can also be capped to allow for wider nozzle spacing.

CREATIVE CONTROL

The unique BUBBLER+ manifold allows for virtually unlimited layouts, including; square, rectangular, straight and horseshoe layouts. Manifolds can be cut to length if required, and are compatible with DN50 Class 12 pressure pipe fittings for quick and easy installation.

* Refer to AQUEA Specification sheet for more information.



AQUEA | BUBBLER+ 18 PORT KIT

THE SIMPLE MODULAR BUBBLER SYSTEM FOR CONCRETE POOLS & SPAS

BUBBLER+ is the simple and convenient bubbler system for your next concrete pool or spa project.

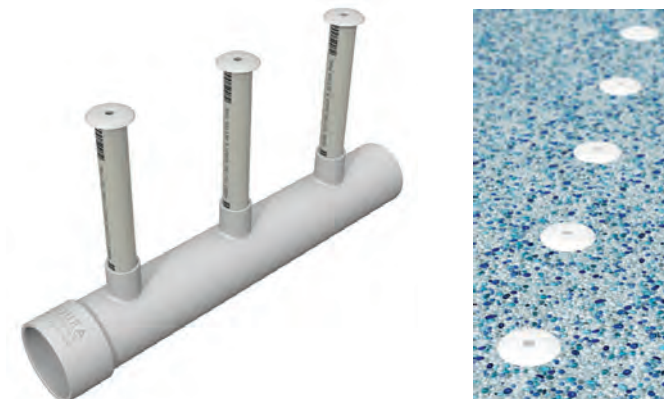
The modular design gives you the freedom to create the perfect layout for your pool or spa. Use it in seats, foot wells, benches, steps, beach entries, ponds, pool windows – the possibilities are endless!

KEY FEATURES:

- Compact nozzles provide a neat & discreet finish in a range of colours to suit your pool interior.
- Unique manifold provides even spacing between nozzles and can be cut to length if required.
- Risers compatible with standard pressure pipe or DN20 caps for wider spacing if required.

SPECIFICATIONS

DESCRIPTION	BUBBLER+ 18 Port Kit
KIT COLOUR OPTIONS (Nozzle colour)	☐ White - Part No.: 532-250 ☐ Light Grey - Part No.: 532-256 ☐ Grey - Part No.: 532-253 ☐ Black - Part No.: 532-254
POOL TYPE	Suits concrete pools
MATERIAL	ABS - Manifold PVC - Riser PP - Nozzle & Construction Cap
COMPATIBLE PIPE SIZE	Body - DN50 Class 12 Riser - DN15 Class 18
KIT CONTENTS	Manifold (x 6) Riser (x 18) Nozzle (x 18) Construction Cap (x 18)
SPARE NOZZLES (18 Nozzles per bag)	☐ White - Part No.: 532-403 ☐ Light Grey - Part No.: 532-406 ☐ Grey - Part No.: 532-404 ☐ Black - Part No.: 532-405

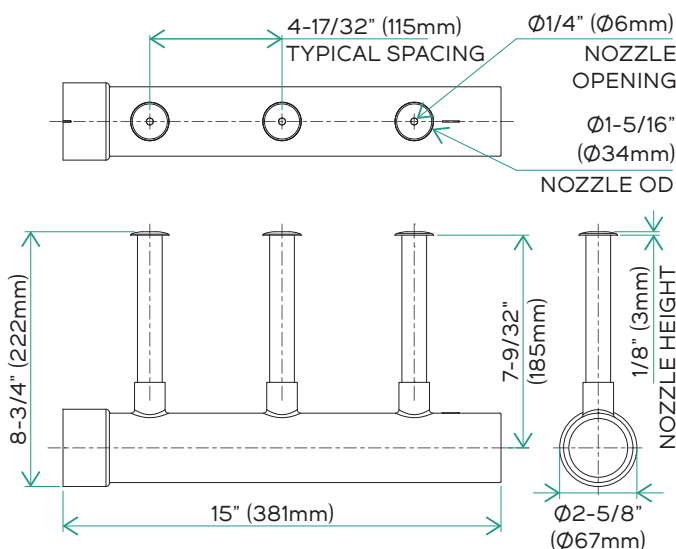


MAXIMUM RECOMMENDED PORTS

WATER DEPTH	PORTS (MAX.)*
Up to 19-1/2" (500mm)	36
19-5/8" (500mm) to 39-1/2" (1000mm)	27
Over 39-1/2" (1000mm)	Installer to determine maximum nozzles according to specific site requirements & water depth.

* Figures based on testing with Spa-King 1.5hp "Peacemaker" blower. Installer to ensure equivalent blower is used when referencing figures.

DIMENSIONS



Specifications subject to change without notice.



WANT MORE INFORMATION?

Scan this code to watch our series of helpful BUBBLER+ videos.

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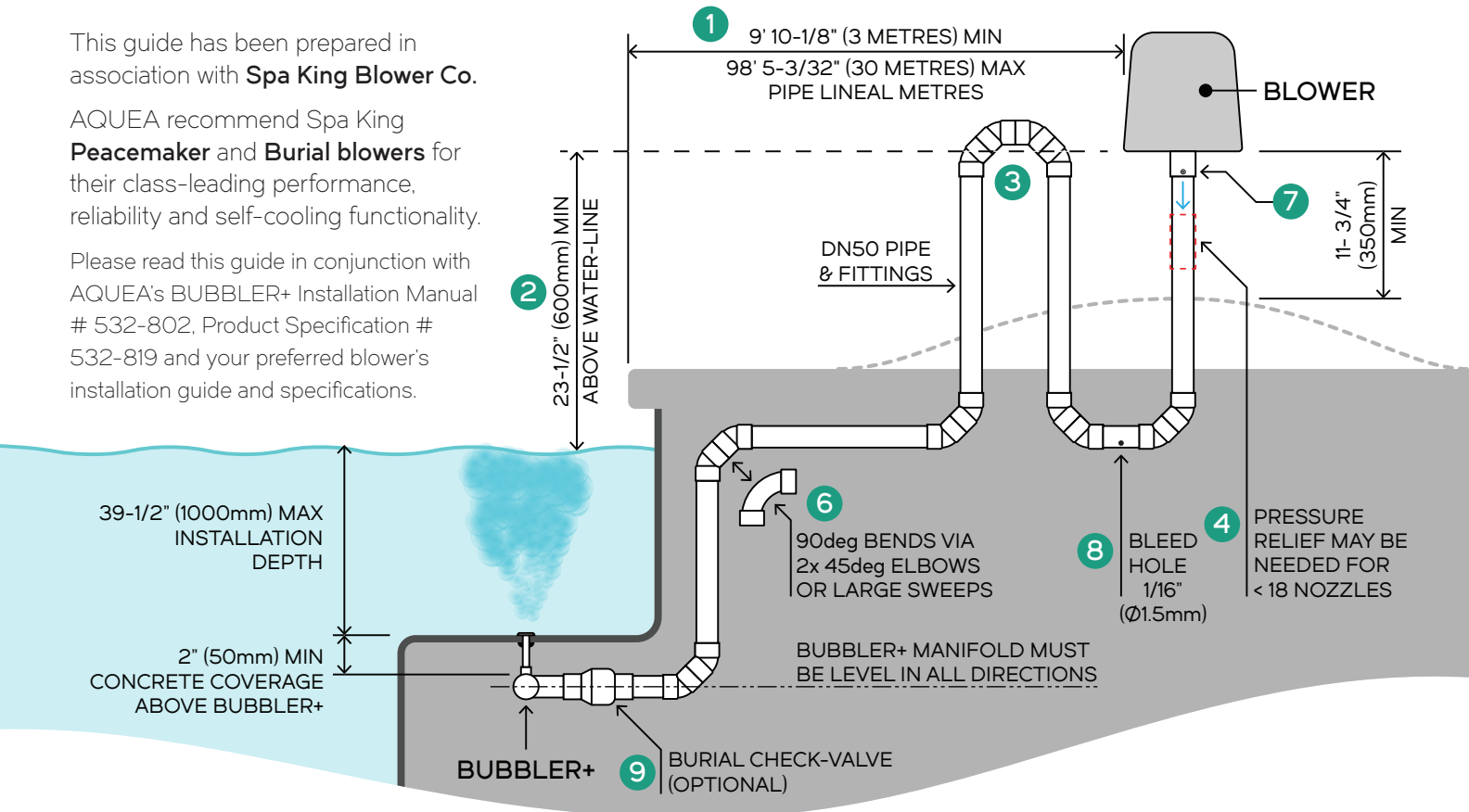
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ADDITIONAL INFORMATION FOR RESELLERS, BUILDERS & PLUMBERS

This guide has been prepared in association with **Spa King Blower Co.**

AQUEA recommend Spa King **Peacemaker** and **Burial blowers** for their class-leading performance, reliability and self-cooling functionality.

Please read this guide in conjunction with AQUEA's BUBBLER+ Installation Manual # 532-802, Product Specification # 532-819 and your preferred blower's installation guide and specifications.



INSTALLATION NOTES:

- 1 Install SPA KING blowers over 9' 10-1/8" (3 M) but not more than 98' 5-3/32" (30 M) from the pool or spa. Blower should be at least 11- 3/4" (350mm) above ground-level.
- 2 Install blower at least 23-1/2" (600mm) above water-line.
- 3 Always install a 23-1/2" (600mm) high air-loop between blower and water, as close to the pool / spa as practical.
- 4 SPA KING recommends a minimum of 18 x BUBBLER+ nozzles are installed with their PEACEMAKER and BURIAL blowers, and a maximum of 36 nozzles at 39-1/2" (500mm) below water-line. If fewer than 18 nozzles are used, a pressure-relief device may be required.
- 5 The recommended maximum linear-length of submerged air-line (below water-line) is 39' 4-1/2" (12 M) – including BUBBLER+ fittings, pipes, joiners, elbows and sweeps.
- 6 Any changes in pipe direction should use 2 x 45 degree elbow couplings and/or large 90 degree sweep.
- 7 Do not glue air-feed pipes to the blower. Use screw(s) supplied with your SPA KING blower to retain air-feed pipes.
- 8 To prevent condensation build-up in the air-supply line between the blower and air-loop, a small drainage hole can be drilled at the pipe's lowest point.
- 9 [Optional] For reduced initial pressure and faster start-up, a spring-less burial check valve can be installed between the air-loop and blower.

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Information and specifications may change without notice.

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ADDITIONAL INFORMATION FOR RESELLERS, BUILDERS & PLUMBERS

CONFIGURATIONS & ASSEMBLY:

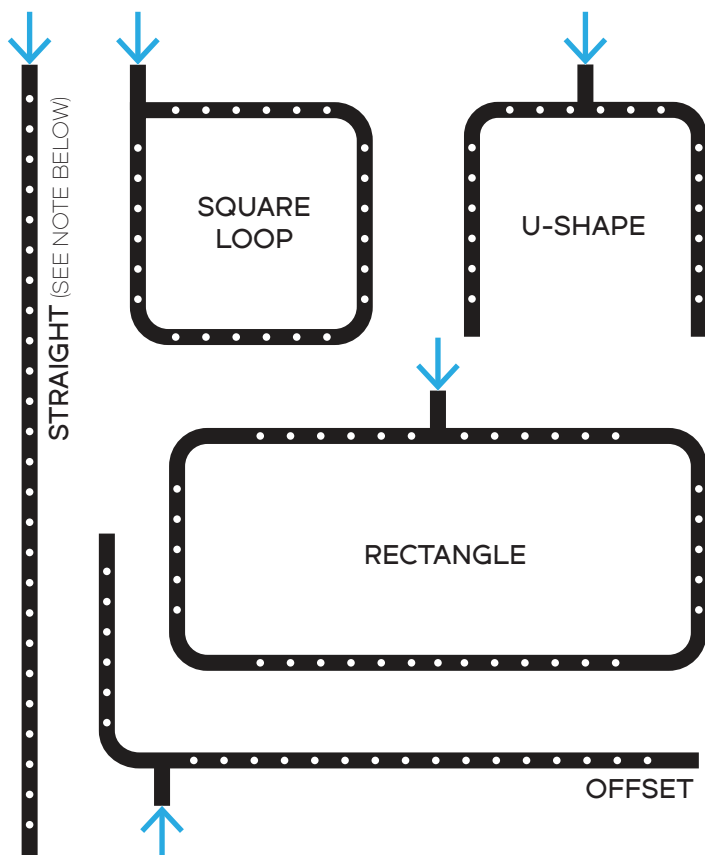
BUBBLER+ can be installed in almost infinite shapes and configurations, including square, rectangle, straight and U-shaped manifolds.

Subject to your preferred blower's specifications and correct manifold installation, air-feed lines can be positioned anywhere within the BUBBLER+ manifold, including via a central "tee" inlet, corner or from the end of a straight-line (see blue arrows in diagrams below).

Ensure the BUBBLER+ air-line is level in all directions and your blower can produce sufficient initial air-pressure to purge water from submerged pipework.

Air bubbles should equalise soon after activation.

INSTALLATION EXAMPLES:



STRAIGHT LINE INSTALLATIONS:

Recommended maximum linear length for straight-line installations (as drawn above) = 19' 8-1/4" (6 M) @ 19-5/8" (500mm) depth below water-line.

GENERAL NOTES:

BUBBLER+ is intended for use with air-blowers that are designed and installed in accordance with all applicable standards, regulations and safety requirements.

Blowers must be installed in accordance with manufacturer specifications. Blower manufacturer specifications take precedence over this guide.

Unless otherwise instructed, blowers must be installed with an earth leakage protection circuit (GFCI) or RCD (Residual Current Device).

Blower power supply must be waterproof.

Air-feed lines passing through walls should be installed with a rubber coupling to isolate the blower from the wall and insulate against minor vibration and noise.

ABS-compatible solvent cement should be used to bond BUBBLER+ and associated plumbing components together. Non-pressure (N-type) PVC solvent adhesive may also be used. Fittings must be clean, dry and free of dust, oils and any other contaminants prior to jointing. Apply solvent adhesive liberally to ensure strong and sealed joints.

BUBBLER+ manifolds must be installed level in all directions to ensure balanced air-output.

For installations exceeding 39-1/2" (1 M) depth, seek advice from a qualified engineer to ensure your bubbler system is designed for optimal performance.

BLOWER SPECIFICATIONS* (REFERENCE ONLY)

SPA KING MODEL	XTA	PEACEMAKER	BURIAL
Wattage	1000	1100	1100
Maximum flow**	3078 lpm	2910	2910
Amps	7	7	7
Pipe Ø	DN50	DN50	DN50
Minimum nozzles**	18	18	18
Maximum nozzles**	36	36	36

* Blower specifications above are for reference only and subject to change without notice. Seek advice from the manufacturer of your preferred blower to confirm optimal design & configuration for your BUBBLER+ system.

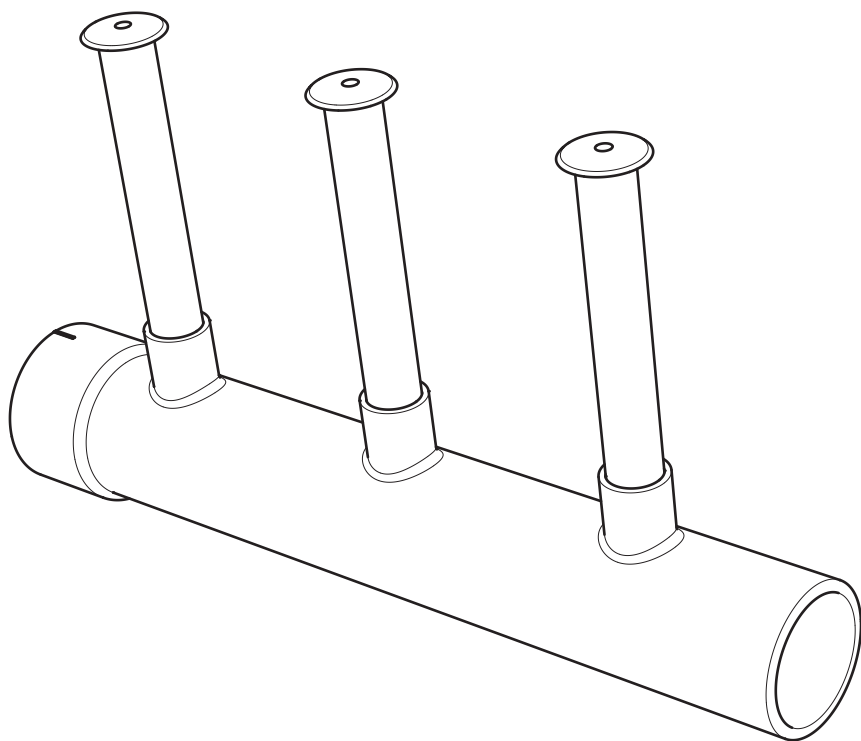
** Maximum flow based on blower-system operating load of 27 kPa when nozzles installed 19-5/8" (500mm) below water-line.

532-835-01

AQUEA

BUBBLER+

INSTALLATION GUIDE
GUIDE D'INSTALLATION
GUÍA DE INSTALACIÓN



PART-PIÈCE-PARTE 475-250



INSTALLER | INSTALLATEUR | INSTALADOR



EN

1. Read this document prior to installation. Improper installation will void warranty.
2. Product only to be installed & serviced by a suitably qualified professional.
3. Manifold (part 532-420) manufactured from abs. Installer must confirm jointing compound is compatible with abs before use.
4. Installer to ensure installation meets all applicable engineering & regulatory requirements.
5. This manual contains important information. Once installation is complete installer must provide this manual to owner/operator to store in a safe place.

FR

1. Lisez ce document avant l'installation. Une installation incorrecte annulera la garantie.
2. Le produit ne doit être installé et réparé que par un professionnel dûment qualifié.
3. Collecteur (pièce 532-420) fabriqué en abs. L'installateur doit confirmer que le composé à joints est compatible avec l'abs avant utilisation.
4. L'installateur doit s'assurer que l'installation répond à toutes les exigences techniques et réglementaires applicables.
5. Ce manuel contient des informations importantes. Une fois l'installation terminée, l'installateur doit fournir ce manuel au propriétaire/opérateur pour qu'il le conserve dans un endroit sûr.

ESP

1. Lea este documento antes de la instalación. Una instalación incorrecta anulará la garantía.
2. El producto solo debe ser instalado y reparado por un profesional debidamente calificado.
3. Colector (parte 532-420) fabricado en abs. El instalador debe confirmar que el compuesto de unión sea compatible con abs antes de usarlo.
4. El instalador debe garantizar que la instalación cumpla con todos los requisitos reglamentarios y de ingeniería aplicables.
5. Este manual contiene información importante. Una vez completada la instalación, el instalador debe proporcionar este manual al propietario/oprador para que lo guarde en un lugar seguro.



EN

PLEASE ENSURE SUITABLE PERSONAL PROTECTION EQUIPMENT AND SAFE WORK PRACTICES ARE USED.

FR

VEUILLEZ VOUS ASSURER QUE DES ÉQUIPEMENTS DE PROTECTION INDIVIDUELLE APPROPRIÉS ET DES PRATIQUES DE TRAVAIL SÉCURISÉES SONT UTILISÉS.

ESP

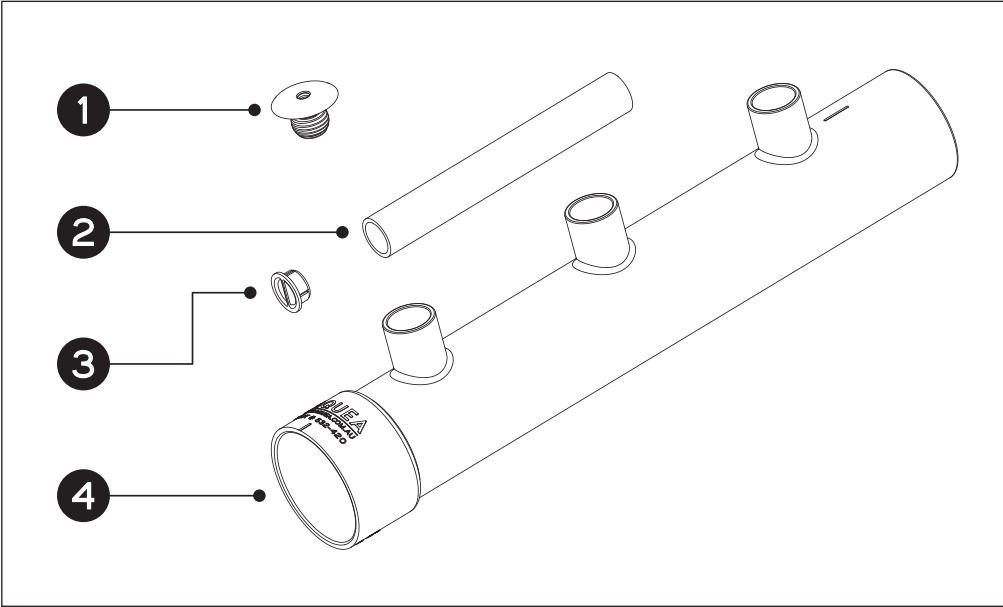
ASEGÚRESE DE UTILIZAR EQUIPOS DE PROTECCIÓN PERSONAL ADECUADOS Y PRÁCTICAS DE TRABAJO SEGURAS.



CONTENTS | CONTENU | CONTENIDO

		PAGE
EN	PARTS LIST	1
	TYPICAL INSTALLATION	2
	INSTALLATION TIPS	3
	PRODUCT DIMENSIONS	9
FR	LISTE DES PIÈCES	1
	INSTALLATION TYPIQUE	2
	CONSEILS D'INSTALLATION	5
	DIMENSIONS DU PRODUIT	9
ESP	LISTA DE PIEZAS	1
	INSTALACIÓN TÍPICA	2
	CONSEJOS DE INSTALACIÓN	7
	DIMENSIONES DEL PRODUCTO	9

PARTS LIST - LISTE DES PIECES - LISTA DE PIEZAS



	PART - PIÈCE - PARTE	NAME - NOM - NOMBRE	QTY - QTÉ - CANT
1	475-240	Nozzle Ajutage Boquilla	18
2	475-493	Riser Colonne montante Tubo de subida	18
3	475-487	Construction Cap Capuchon de construction Tapa de construcción	18
4	475-4102	Manifold Collecteur Colector	6

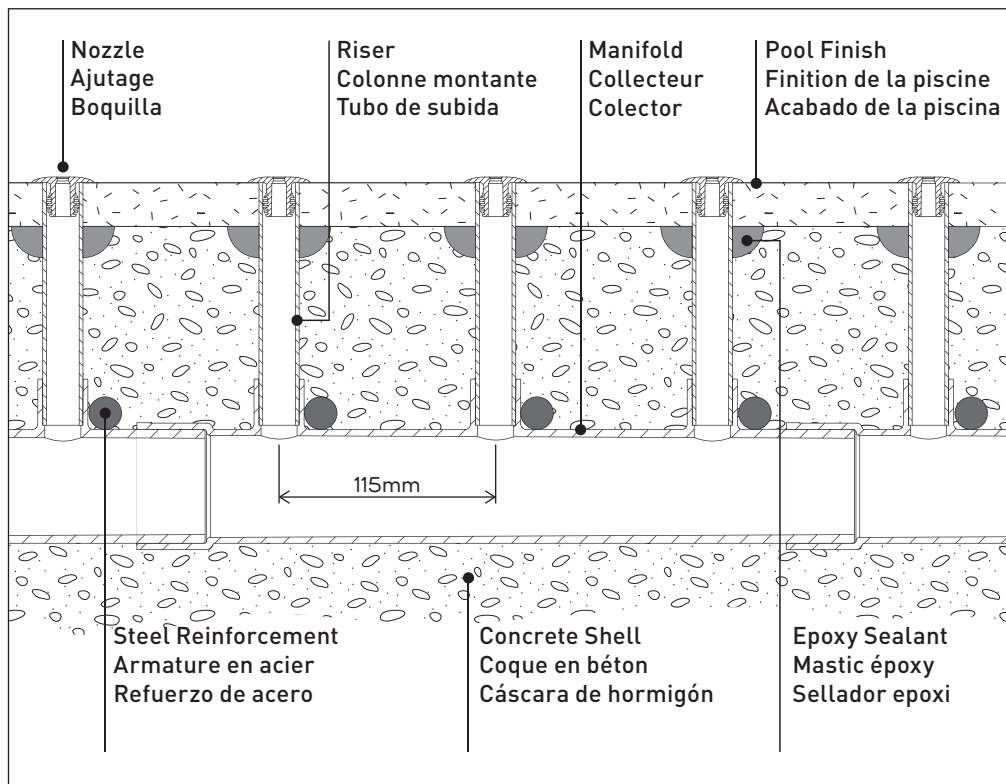
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TYPICAL INSTALLATION

INSTALLATION TYPIQUE - INSTALACIÓN TÍPICA



NOTE: Indicative diagram only. Installer to ensure compliance with applicable regulatory & engineering requirements.

REMARQUE : Schéma indicatif uniquement. L'installateur doit s'assurer de la conformité aux exigences réglementaires et techniques applicables.

NOTA: Diagrama solo indicativo. El instalador debe garantizar el cumplimiento de los requisitos normativos y de ingeniería aplicables.



READ BEFORE COMMENCING INSTALLATION

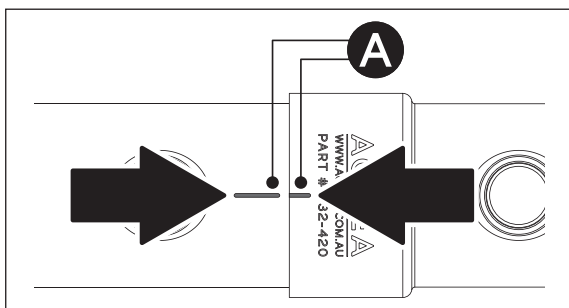


1. BUBBLER+ air-loops can be installed in closed-loop, straight-line and horseshoe configurations.
2. Apply full & even coverage of ABS-compatible solvent cement to ensure strong and water-tight connections.
3. BUBBLER+ feed-line can be located anywhere within the nozzle array. Scan QR code below for more information.
4. Install and connect blower in accordance with manufacturer instructions and safety requirements.
5. Maximum recommended nozzles & depths:

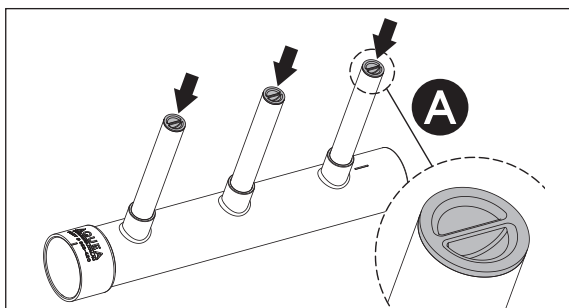
Water Depth	Nozzles (MAX)*
Up to 19-1/2" (500mm)	36
19-5/8" (500mm) to 39-1/2" (1000mm)	27
Over 39-1/2" (1000mm)	Note 6

* Based on testing with Spa-King 1.5hp "Peacemaker" blower. Installer to ensure equivalent blower is used when referencing figures.

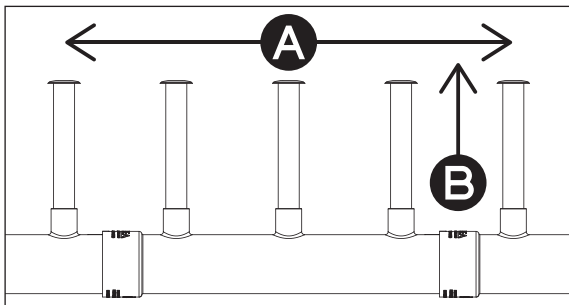
6. Builder / Installer to determine maximum nozzles according to specific site requirements and water depth.
7. Contact your pool pre-plumb stockist for recommended air equipment for your project.



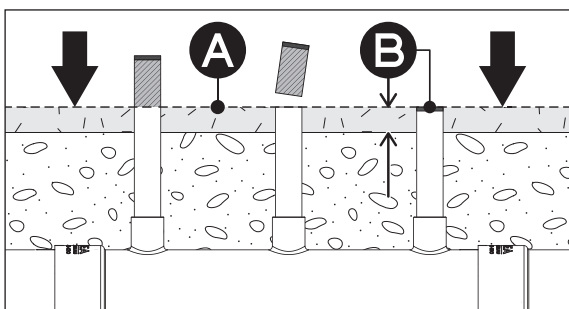
Align marks (A) when jointing Manifolds to ensure Risers are correctly aligned.



Keep Construction Caps in Risers (A) so Manifold remains clear of debris during construction.

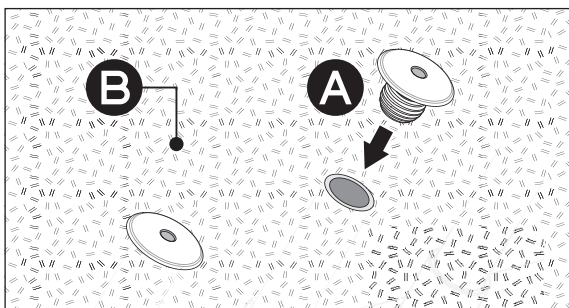


Ensure Manifold and Risers are secured level (A) and plumb (B) as necessary to suit installation site requirements.



(A) Tile: Trim Risers flush when tiling is complete.

(B) Pebble: Trim Risers, allowing for pebble thickness. Insert Caps before pebbling.



Insert Nozzles (A) into Risers firmly against interior finish (B).

ADHESIVE OR SILICONE IS NOT REQUIRED.

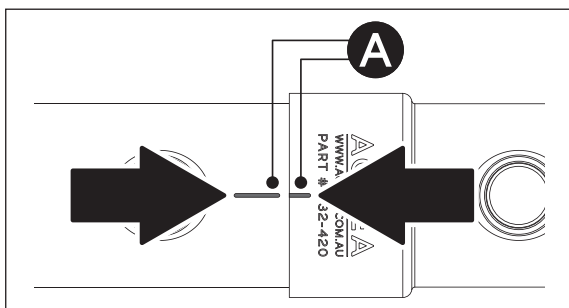
⚠ À LIRE AVANT DE COMMENCER L'INSTALLATION ⚠

1. Les boucles d'air BUBBLER+ peuvent être installées en circuit fermé, en ligne droite et en fer à cheval.
2. Appliquez une couche uniforme de colle à solvant compatible ABS pour garantir des connexions solides et étanches.
3. La conduite d'alimentation BUBBLER+ peut être positionnée n'importe où dans le réseau de buses. Scannez le QR code ci-dessous pour plus d'informations.
4. Installez et raccordez le souffleur conformément aux instructions du fabricant et aux exigences de sécurité.
5. Buses et profondeurs maximales recommandées :

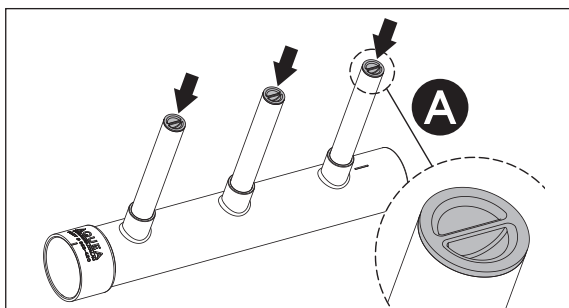
Profondeur de l'eau	Buses (MAX)*
Jusqu'à 19-1/2" (500mm)	36
19-5/8" (500 mm) à 39-1/2" (1000mm)	27
Plus de 39-1/2" (1000mm)	Note 6

* Basé sur des tests réalisés avec un ventilateur Spa-King « Peacemaker » de 1,5 ch.
L'installateur doit s'assurer d'utiliser un ventilateur équivalent lors de la référence des chiffres.

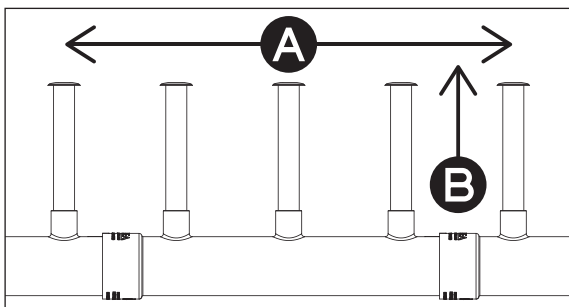
6. Le constructeur/installateur doit déterminer le nombre maximal de buses en fonction des exigences spécifiques du site et de la profondeur de l'eau.
7. Contactez votre revendeur spécialisé en pré-plomberie pour connaître l'équipement d'air recommandé pour votre projet.



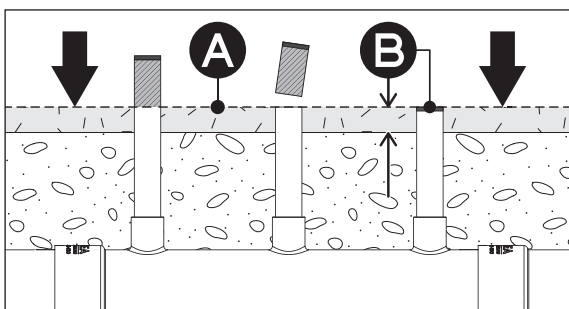
Alignez les repères (A) lors de l'assemblage des collecteurs pour garantir que les colonnes montantes sont correctement alignées.



Gardez les capuchons de construction dans les colonnes montantes (A) afin que le collecteur reste exempt de débris pendant la construction.

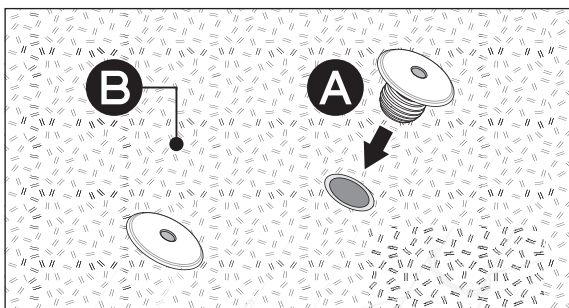


Assurez-vous que le collecteur et les colonnes montantes sont fixés au niveau (A) et à l'aplomb (B) selon les besoins pour répondre aux exigences du site d'installation.



(A) Carrelage : Coupez les contremarches à ras une fois le carrelage terminé.

(B) Galets : Coupez les contremarches en fonction de l'épaisseur des galets. Insérez les capuchons avant la pose des galets.



Insérez les buses (A) dans les rehausses fermement contre la finition intérieure (B).

AUCUN ADHÉSIF NI SILICONE N'EST REQUIS.



LEA ANTES DE COMENZAR LA INSTALACIÓN

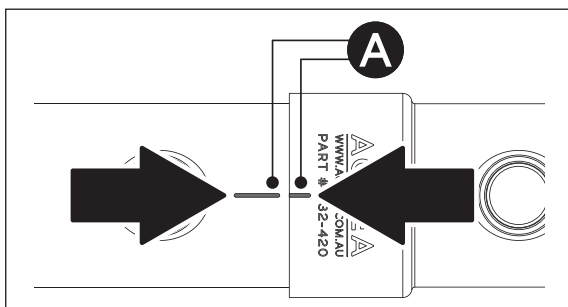


1. Los circuitos de aire BUBBLER+ se pueden instalar en configuraciones de circuito cerrado, en línea recta y en herradura.
2. Aplique una cobertura completa y uniforme de cemento solvente compatible con ABS para garantizar conexiones resistentes y herméticas.
3. La línea de alimentación de BUBBLER+ se puede ubicar en cualquier lugar dentro del conjunto de boquillas. Escanee el código QR a continuación para obtener más información.
4. Instale y conecte el soplador de acuerdo con las instrucciones del fabricante y los requisitos de seguridad.
5. Boquillas y profundidades máximas recomendadas:

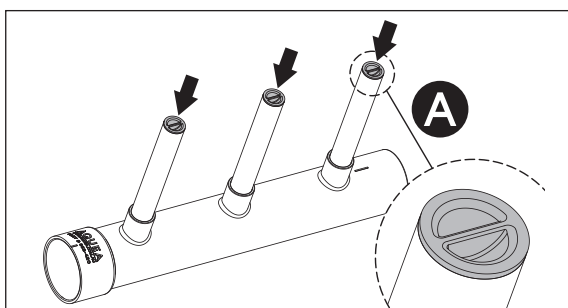
Profundidad del agua	Boquillas (MÁX)*
Hasta 19-1/2" (500 mm)	36
19-5/8" (500 mm) a 39-1/2" (1000 mm)	27
Más de 39-1/2" (1000 mm)	Nota 6

* Basado en pruebas con el soplador Spa-King "Peacemaker" de 1.5 hp. El instalador debe garantizar que se utilice un soplador equivalente al consultar las cifras.

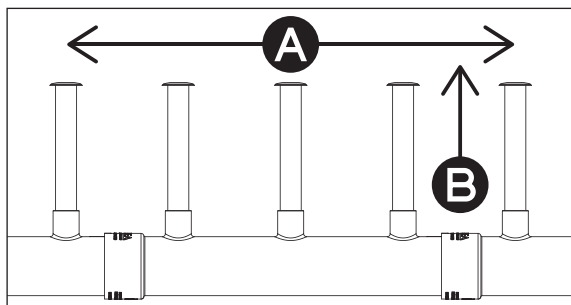
6. El constructor/instalador determinará las boquillas máximas según los requisitos específicos del sitio y la profundidad del agua.
7. Contacte con su proveedor de preinstalación de piscinas para obtener el equipo de aire recomendado para su proyecto.



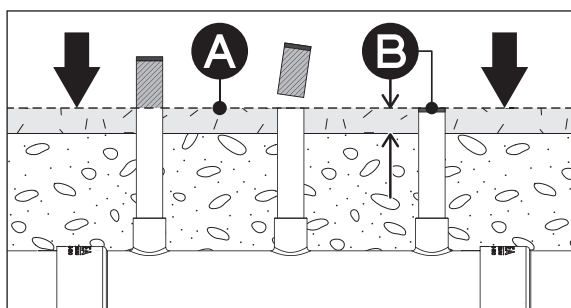
Alinee las marcas (A) al unir los colectores para garantizar que los elevadores estén correctamente alineados.



Mantenga las tapas de construcción en los elevadores (A) para que el colector permanezca libre de escombros durante la construcción.

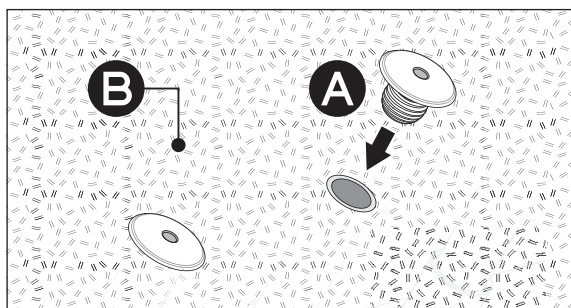


Asegúrese de que el colector y los elevadores estén asegurados a nivel (A) y a plomo (B) según sea necesario para adaptarse a los requisitos del lugar de instalación.



(A) Azulejo: Recorte las contrahuellas al ras una vez finalizado el alicatado.

(B) Guijarro: Recorte las contrahuellas, teniendo en cuenta el grosor del guijarro. Coloque las tapas antes de colocar el guijarro.

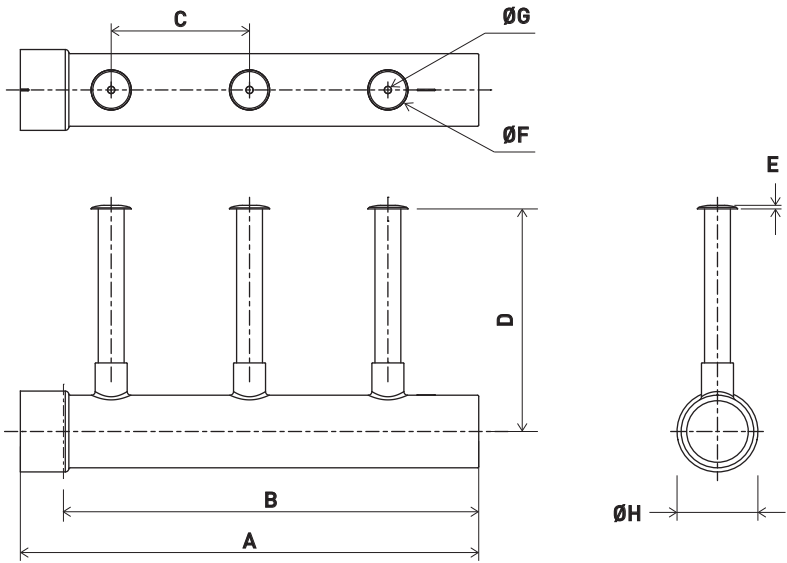


Inserte las boquillas (A) en los elevadores firmemente contra el acabado interior (B).

NO SE REQUIERE ADHESIVO NI SILICONA.

DIMENSIONS | DIMENSIONES*

* Tolerance | Tolérance | Tolerancia: +/- 3/64" [0.0394] in. [1.0mm]



Specifications subject to change without notice
Les spécifications sont sujettes à changement sans préavis
Las especificaciones están sujetas a cambios sin previo aviso.

	NAME - NOM - NOMBRE	in. po.	mm.
A	Manifold - Overall Length Collecteur - Longueur hors tout Colector - Longitud total	15" [15.0"]	381.0
B	Manifold - Effective Joined Length Collecteur - Longueur utile jointe Colector - Longitud efectiva de unión	13-19/32" [13.58"]	345.0
C	Manifold - Typical Port Spacing Collecteur - Espacement typique des orifices Colector - Espaciado típico de puertos	4-17/32" [4.528"]	115.0
D	Riser - Standard Height to Manifold CL Collecteur - Hauteur standard jusqu'au collecteur CL Conector vertical - Altura estándar al colector CL	7-9/32" [7.28"]	185.0
E	Nozzle - Finished Height Buse - Hauteur finie Boquilla - Altura terminada	1/8" [0.118"]	3.0
ØF	Nozzle - Outer Diameter Buse - Diamètre extérieur Boquilla - Diámetro exterior	Ø1-5/16" Ø[1.34"]	Ø34.0
ØG	Nozzle - Opening Diameter Buse - Diamètre d'ouverture Boquilla - Diámetro de apertura	Ø1/4" Ø[0.24]	Ø6.0
ØH	Collecteur - Diamètre hors tout Cadre Extérieur - Taille hors tout Colector - Diámetro total	Ø2-5/8" Ø[2.64"]	Ø67.0

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