



BIG FOOT[®]
SYSTEMS



Rooftop System Support Systems

Product Guide

part of ASPEN PUMPS GROUP



Rooftop building services support systems.

Our aim at Big Foot Systems continues to be 'to provide easy to assemble rooftop building services support systems'. Our range of products provide quick, simple, safe and versatile solutions for the support of rooftop HVAC/R equipment, and access platforms.

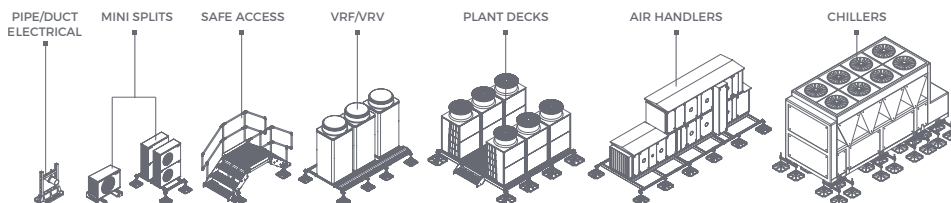
Big Foot Systems sets the standard on any installation, meeting the needs of architects, consultants, engineers and contractors.

Big Foot products are packed for ease of handling and available internationally via a network of approved distributors.



Contents

Service Support	26-29
A/C Support	30-35
Technical Project Team	36-37
Project Solutions	38-43
- Custom Frames	38
- Step Overs & Walkway	42-43
- Plant Deck	43





SERVICE SUPPORT



Service Support

Service containment such as duct, pipework and cable ladder/tray can be supported using a number of products from Big Foot Systems Ancillaries range. Designed to protect lightweight modern roofs, these offer a range of benefits including cost and time-effective installation and improved system aesthetics without penetrating the roof top.



		H Tech Set 13" & 16"	Fix-it Foot
ELECTRICAL	Cable Basket		✓
	Small Cable Tray	✓	✓
	Larger Cable Tray	✓	✓
	Cable Ladder	✓	
	*Bus bars	✓	
DUCT	Small Duct	✓	
	*Larger Duct	✓	
	*Attenuators (Silencers)	✓	
PIPE	Small F&R Pipe		✓
	Medium F&R Pipe	✓	
	Large F&R Pipe		
	*Multiple Pipe Runs		

*Weight dependent
Information correct at time of going to press.

NEW
ENHANCED GRIP
IMPROVED WIND RESISTANCE

H Tech Set 13" & 16"

Fabricated on site – and accepting a range of strut & box section sizes – the H Tech set is the most flexible choice on the market.



KEY FEATURES

- 50% Higher Coefficient of Friction; better surface to surface grip than rubber feet
- Maximum stability; EPDM mat conforms better to uneven surfaces than rubber
- Optimum weight distribution over whole foot print
- Fits 41 x 41mm strut, 40 x 38mm, 21 x 41mm (H Tech 330mm only)
- Strut fittings & bolts included
- 100% recycled glass filled nylon foot construction
- Optional angled mat accessory for use on uneven ground

KIT INCLUDES

Foot with adhered mat	× 2
Bracket & fixings	× 1

APPLICATION



Description	Part no.	Foot Size Width		Weight		Max. Load	
		inches	mm	Lbs	kg	Lbs	Kg
330mm Set (paired Foot)	B6088/B	13	330	6	2.63	661	300
Angled Base 330mm 2.5° (single Foot)	B6098	13	330	1	0.6	331	150
400mm Set (paired Foot)	B6089	15 4/5	400	10	4.57	1102	500
Angled Base 400mm 2.5° (single Foot)	BN7105	15 4/5	400	3	1.2	551	250

ALL IN ONE BOX



Information correct at time of going to press.

Fix-it Foot

The neat and tidy rubber Fix-it Foot is simple, durable and comes in a variety of sizes.



KEY FEATURES

- Quick and simple install.
- Aluminium channel securely anchored in top for easy fixing of services.
- Wide range of height and length options available.
- Durable recycled rubber reduces vibration and adds stability.

Description	Part no.	Length		Width		Height		Weight		Max. Load	
		Inches	mm	Inches	mm	Inches	mm	Lbs	Kg	Lbs	Kg
10"	B6735	9 13/16	250	7 1/16	180	3 3/4	95	5.3	2.4	181	82
16"	B6736	15 3/4	400	7 1/16	180	3 3/4	95	7.8	3.5	282	128
24"	B6737	23 5/8	600	7 1/16	180	3 3/4	95	12.7	5.8	494	224
40"	B9096	39 3/8	1000	7 1/16	180	3 3/4	95	21.9	9.9	650	295
10" Low	B9043	9 13/16	250	5 1/8	130	1 15/16	50	2.9	1.3	181	82
16" Low	B9045	15 3/4	400	5 1/8	130	1 15/16	50	4.5	2.1	282	128
20" Low	B9368	19 11/16	500	5 1/8	130	1 15/16	50	5.4	2.5	295	134

Information correct at time of going to press.






A/C SUPPORT



A/C Support Systems

Our range provides a quick to install, non-penetrative solution to suit all leading AC manufacturers units.

Our standard product range is available next day from stock. With an ever increasing number of Air Conditioning manufacturers, we can tailor a custom system utilising standard components – see pages 40-47 for further details.

	 Mini Split Kits	 Mini Frame & Extension kit	 Multi Frame
1-2 No. A/C Split units	✓	✓	✓
3-4 No. A/C Split units		✓	✓
5-6 No. A/C Split units		✓	✓
7+ No. A/C Split units		✓	✓
1 No. VRF/VRV unit*			✓
2 No. VRF/VRV units*			✓
3 No. VRF/VRV units*			✓
4+ No. VRF/VRV units*			✓

*Based on typical carcass size of 39" x 30" (990mm x 760mm)



A/C SUPPORT



Mini Split Kit

The Mini Split Kit is a simple and neat solution. With channel recessed into the rubber foot, it allows for easy fixing and also offers built-in anti-vibration.



KEY FEATURES

- Available in 2 sizes.
- Boxed kit with fixings.
- Quick and simple install.
- Aluminium channel securely anchored in top for easy fixing of unit.
- Durable recycled rubber reduces vibration and adds stability.

KIT INCLUDES

Rubber Foot	x 2
Fixing kit	x 2

APPLICATION



Description	Part no.	Length		Width		Height		Weight		Max. Load	
		Inches	mm	Inches	mm	Inches	mm	Lbs	Kg	Lbs	Kg
24"	B9284	23 5/8	600	7 1/16	180	3 3/4	95	12.1	11	494	448
40"	B9530	39 3/8	1000	7 1/16	180	3 3/4	95	20.9	19	650	590

Information correct at time of going to press.



Mini Frame & Extension Kit

Mini Frame: for supporting small condensing units and heat pumps.

Ideal for ground mounting or wind protected environments.

KEY FEATURES

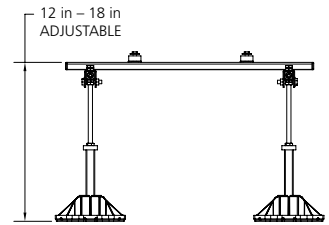
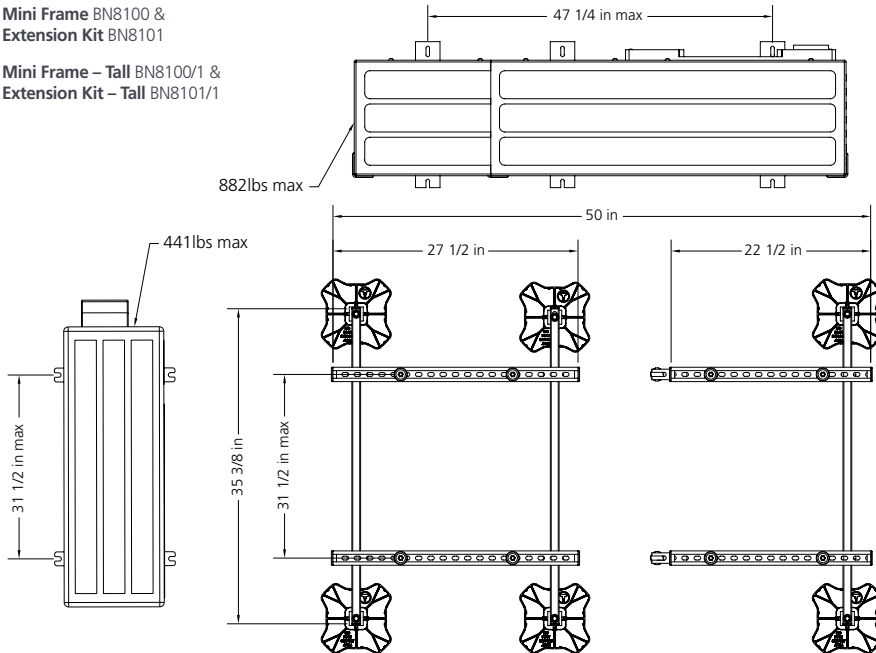
- Suitable for most mini splits & heat pumps
- Easy adjustment to suit any requirement
- Complete boxed kit of required components
- Install multiple units with extension kit

KIT INCLUDES

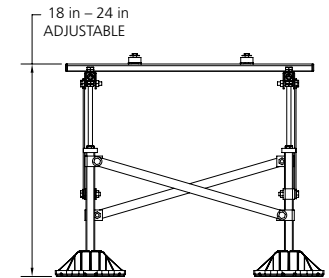
Components	Frame	Ext.
8" foot & mat	× 4	× 2
35" End bar	× 2	× 1
27.5" Cross bar	× 2	-
22.5" Cross bar	-	× 2
Unit fixing kit	× 1	× 1

Mini Frame BN8100 & Extension Kit BN8101

Mini Frame – Tall BN8100/1 & Extension Kit – Tall BN8101/1



Mini Frame BN8100 & Extension Kit BN8101



Mini Frame – Tall BN8100/1 & Extension Kit – Tall BN8101/1

Description	Product Code	Box Length	Box Width	Box Height	Box Weight	Max. Load
		(in)	(in)	(in)	(lbs)	(lbs)
Mini Frame	BN8100	38 1/5	8 2/3	4 1/3	29	441
Mini Extension Kit	BN8101	38 1/5	8 2/3	4 1/3	18	441
Mini Frame – Tall	BN8100/1	38 1/5	8 2/3	4 1/3	35	441
Mini Extension Kit – Tall	BN8101/1	38 1/5	8 2/3	4 1/3	22	441



A/C SUPPORT

NEW & IMPROVED

THE FRAME THAT EXTENDS IN ANY DIRECTION



Multi Frame & Multi Frame XL



Multi Frame and Multi Frame XL can be extended in any direction using the Extension kits, providing the flexibility to mix and match Multi Frame and Multi Frame XL to create the frame size and shape configuration to suit the install.

KEY FEATURES

- 12" Feet.
- 39" x 47", 59" x 47" multiples.
- Mix and match any Multi Frame and Multi Frame XL of the same height.
- Extend from any side.
- Suits a wide variety of units.
- Adjustable leg assemblies.
- Easy to assemble - cross bars simply position onto the end bars.
- Supplied boxed with clamp kits.

KIT INCLUDES

Multi Frame	Frame	Ext.
12" foot & adhered mat	× 4	× 2
39" End bar	× 2	× 2
47" Cross bar	× 2	× 2
Unit clamp kit (4 pack)	× 2	× 2
Connector	-	× 2

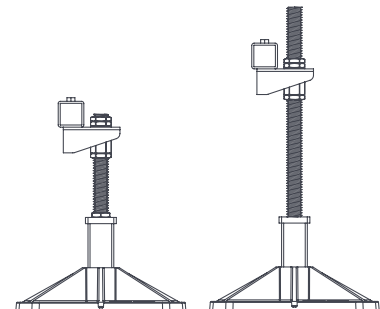
Multi Frame XL	Frame	Ext.
12" foot & adhered mat	× 4	× 2
59" End bar	× 2	× 2
47" Cross bar	× 3	× 3
Unit clamp kit (4 pack)	× 2	× 2
Connector	-	× 2

APPLICATION



Description	Part no.	Max. Load (lbs)	Single Unit			
			Width (Inches)	Length (Inches)	Height (Inches)	Weight (lbs)
Multi Frame	B9720	1102	48	12	4 ¾	79
Extension Kit	B9721	1102	48	12	4 ¾	57
Multi Frame Long Stud	B9720/1	1102	48	12	4 ¾	88
Extension Kit Long Stud	B9721/1	1102	48	12	4 ¾	62
Multi Frame XL	B9731	1102	60	12	4 ¾	95
Extension XL Kit	B9732	1102	60	12	4 ¾	73
Multi Frame XL Long Stud	B9731/1	1102	60	12	4 ¾	99
Extension XL Kit Long Stud	B9732/1	1102	60	12	4 ¾	77

Information correct at time of going to press.



Standard Leg Assembly
Height adjustment:
13" - 18"

Long Stud Leg Assembly
Height adjustment:
13" - 26"



A/C SUPPORT

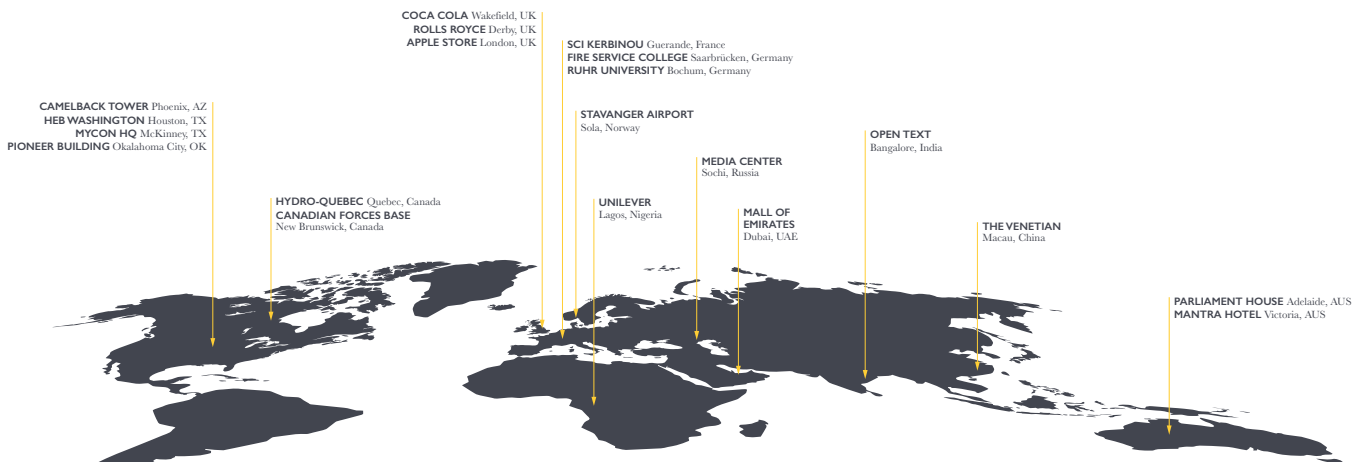




Technical Project Team

Big Foot Systems offer a total solution to rooftop building services load management. From initial phone call through to project completion, the experienced in-house technical team are here to ensure you get the most cost effective results, in the fastest time, ensuring the individual requirements of your project are met.

The team work closely with every client to supply the correct non-penetrative support solution for every scenario - large, heavy, irregular shaped or unevenly loaded plant. With the aid of technical surveyors, a highly skilled in-house technical team and use of engineering tools such as FEA/CFD, Big Foot Systems can design and manufacture complete one-off solutions.



Information correct at time of going to press.



Big Foot Systems has an established heritage in solving simple and complex rooftop management design challenges that will protect a roof's integrity, whilst offering an alternative to traditional timber, steel and concrete constructions. Launched in 2001, the company's expertise and experience has strong foundations built on meeting the needs of clients, developers, architects, consultants, engineers and contractors - delivering many thousands of projects to the very highest standard.

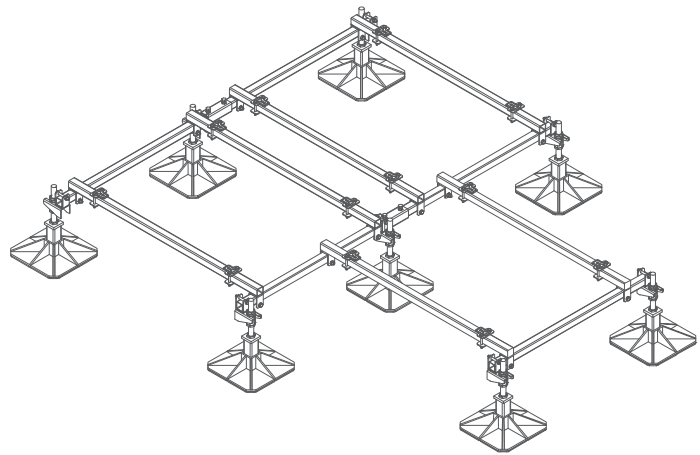
Today Big Foot Systems are the industry leaders in rooftop load management, designing and manufacturing the widest product range of support solutions. The brands non-penetrative products and systems are quick and easy to install ensuring project cost and time clarity, therefore reducing the need for complex, time-consuming and expensive detailing.

Big Foot engineers understand that no two roofs are the same. Limited space, access, existing obstructions or lightweight roofs may require a Big Foot Systems Custom Framework. The experienced in-house technical services team will plan the most effective support solution using the latest design software.

Big Foot Systems embrace any challenge, and are yet to encounter a scenario for which a custom or packaged solution couldn't be delivered. That is a bold claim to make so they decided it would be more helpful to let actions speak louder than words, putting together this illustrative book to showcase just a small range of the system solutions they have developed for their multi-client base over the years.

PROJECT
CAMELBACK TOWER
 Phoenix, AZ, USA

DISTRIBUTOR *Goodman*
ROOF FINISH *TPO Single-ply*
SUPPORTED *VRFs*
BFS PRODUCT *Multi Frame*





The top floor penthouse condo occupies the entire 11th floor of Camelback Tower in the Scottsdale area of Phoenix. Big Foot's Multi Frames were specified because of their ease of installation and the need for a packaged product that could be delivered to a short timeline. This was essential as the VRF equipment was flown to the roof the day after the frames were delivered to the site.

The Multi Frame is a repeatable support structure for mounting all sizes and weights of standardised AC equipment on flat roofs and was ideal on the delicate thermoplastic polyolefin (TPO) single-ply roof.

Information correct at time of going to press.



PROJECT SOLUTIONS



Project Solutions

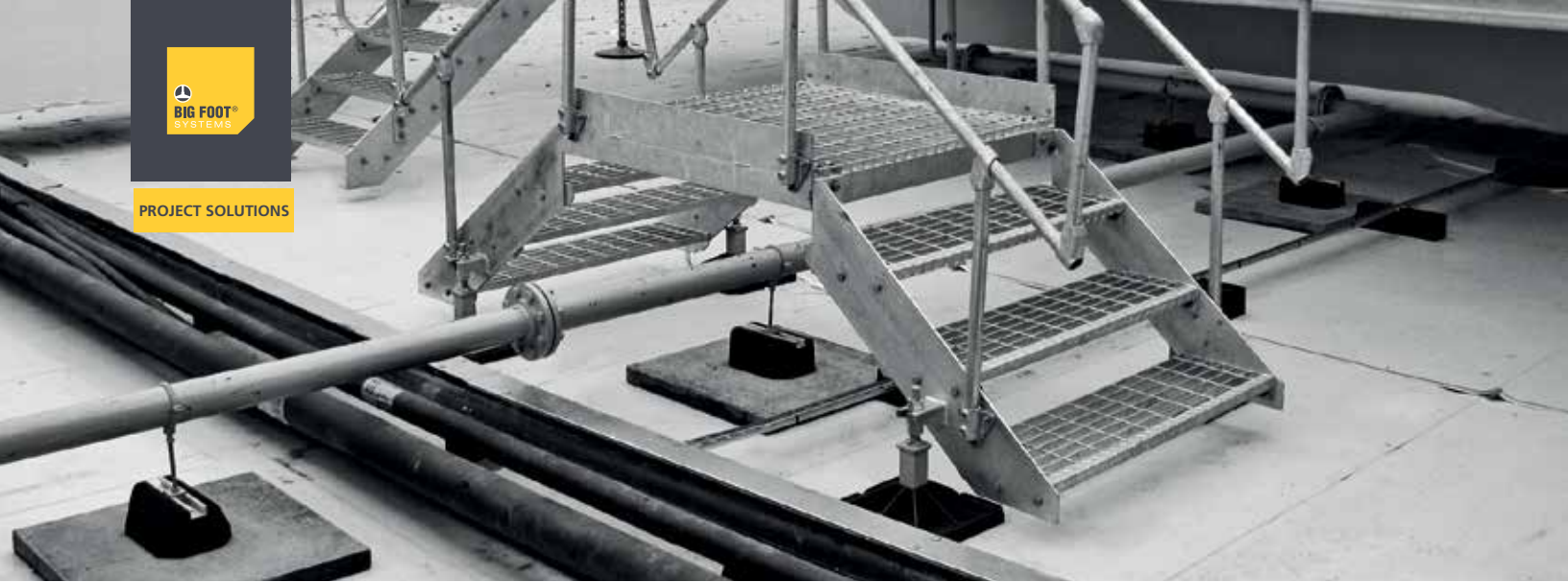
Custom Frames are kitted from standard components, offering a solution where our Standard Frames may not be suitable in meeting a specific need.

Custom Frames are fabricated specifically for a certain project. Note: 3 month lead time.

Offering secure and easy access to rooftop services the Safe Access range provides standard site-assembled Walkway, and Plant Deck.

In addition, Big Foot Systems highly skilled engineering team will survey and design Custom Safe Access systems as well as Screen Support tailored specifically to meet individual design parameters.





Stepovers

The ideal solution for safe and easy access around most obstacles and are available with 2, 3 and 4 steps and a 40" landing section.

KEY FEATURES

- Non-penetrative Roof Mounted System.
- Cost Effective; Quick to Install; Fully Adjustable.
- Design to British Standards.
- 10 Years Product Guarantee.



Step Over Platform

KEY FEATURES

- 8" (200mm) feet.
- 6" (155mm) clearance height.
- Simple to assemble.



Information correct at time of going to press.



Walkway

Ideal for establishing a safe path around installations on a flat roof. The gridded GRP top is non-slip in any weather and supported by our tried and tested Fix-it Foot.

KEY FEATURES

- Easy fixing system for fast site installation.
- Flexible solution with 3 length options available from stock.
- Supported on Fix-it Foot for tried and tested stability and reduced vibration.
- Safe non-slip GRP walkway.
- Flat packed for ease of handling.

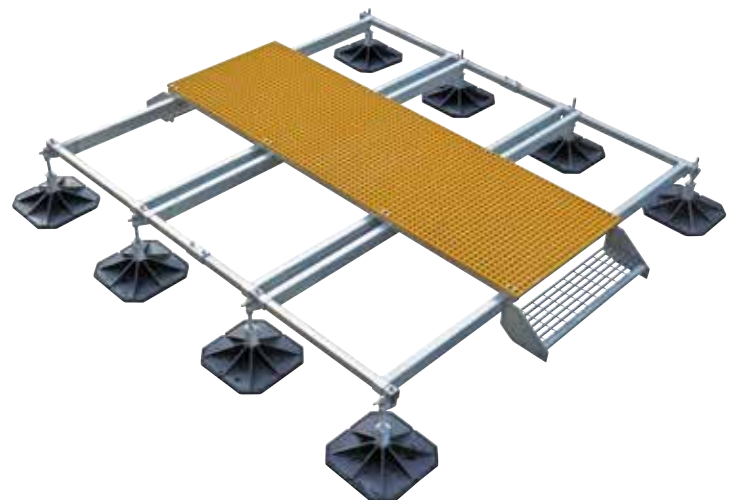


Plant Deck

Designed to facilitate multiple VRF/VRV installations with access requirements, available in 3 sizes, the wide base also offers stability in high wind locations.

KEY FEATURES

- A non-penetrative and cost effective solution.
- Safe and easy access to installations on roof.
- Excellent load distribution for heavy plant.
- Custom solution on site in 3-5 working days from design approval.
- Custom solution on site in 3 months from receipt of purchase order.
- Project specific calculations and load management.
- Versatile modular design to give greater flexibility on-site.
- Hot dipped galvanized carbon steel for all weather application.
- Suitable for all types of roof finish.
- Foot protection fleeces to safeguard against polymer migration on all membrane roof finish.
- Roof membrane integrity upheld due to no penetrations.
- 10 year certified product guarantee.



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The Aspen Pumps Group family:



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