

MONSOON

Universal Twin Pumps

Fully automatic MONSOON Universal Twin pumps are designed for installation into open-vented systems to boost both the hot and cold water supplies equally.

Suitable for both positive and negative head applications.

MONSOON Universal pumps do not require a gravity flow of water to start and are ideal for pressurising the supply in applications where outlets are higher than the water source, such as a loft conversion or where it is uncertain if a positive flow of water due to gravity alone exists.

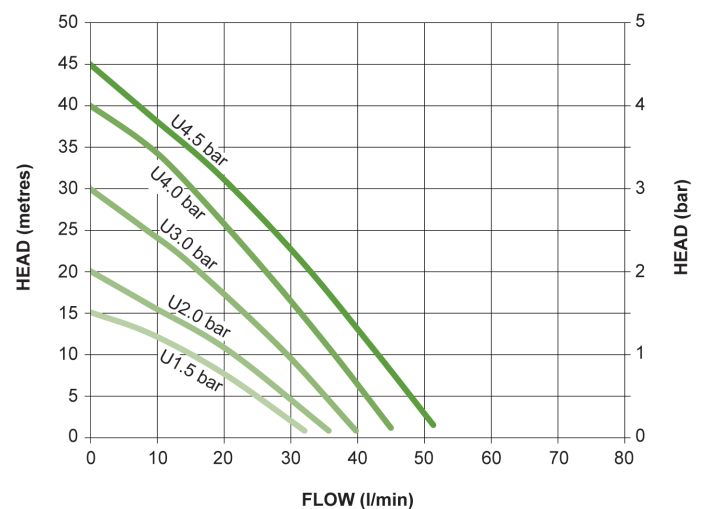


Features

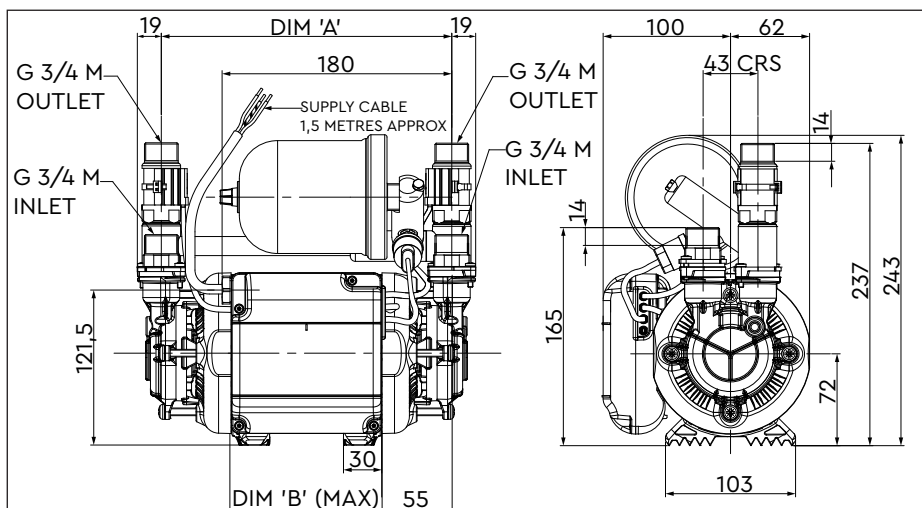
- 5 year warranty
- 1.5 – 4.5 bar options
- Suitable for positive or negative head applications
- Premium quality brass pump supplied with anti-vibration hoses
- Very quiet operation
- WRAS approved product / Kiwa KUKreg4
- Continuously rated
- Anti-vibration feet
- EPDM/PTFE/Al. Oxide seal
- Pre-wired with 1.5 metre power cable
- UK: Supplied with 22mm push-fit x 310mm anti-vibration flexible hoses with integral isolating valves
- ROI: Supplied with 21mm push-fit x 305mm anti-vibration flexible hoses with integral isolating valves
- Export: Supplied with G 3/4F x 318mm anti-vibration flexible hoses

Application

- Boosting hot and cold water supplies to taps, showers, a complete bathroom or the whole house in low pressure open-vented / gravity systems
- Suitable for use where there is less than 2 litre/min flow from the outlet(s) to be boosted



		U1.5 bar Twin 46505	U2.0 bar Twin 46480	U3.0 bar Twin 46410	U4.0 bar Twin 46411	U4.5 bar Twin 46412
GENERAL	Warranty	5 years (subject to conditions)				
	Approval certification	WRAS Approved Product Kiwa UK (KUKreg4)				
	Conformity certification	UKCA CE				
FEATURES	Pump type / pump control	Peripheral / pressure & flow switch				
	Anti-vibration feet	✓	✓	✓	✓	✓
	Inlet strainer(s)	✓	✓	✓	✓	✓
	Flexible hoses	4	4	4	4	4
	Run on Timer	3 sec	3 sec	3 sec	3 sec	3 sec
	Dry run protection	✓	✓	✓	✓	✓
	Typical noise	48 dB(A)	52 dB(A)	54 dB(A)	56 dB(A)	57 dB(A)
PERFORMANCE	Maximum head – closed valve	1.5 bar	2.0 bar	3.0 bar	4.0 bar	4.5 bar
	Performance @ 9 l/min	1.3 bar	1.5 bar	2.5 bar	3.5 bar	3.8 bar
	Performance @ 18 l/min	0.8 bar	1.1 bar	1.9 bar	2.8 bar	3.2 bar
	Maximum flow	32 l/min	35 l/min	40 l/min	45 l/min	51 l/min
	Maximum static inlet pressure	8 metres			12 metres	
	Maximum static outlet pressure	8 metres			12 metres	
	Maximum working pressure*	600 kPa (6 bar)				
	Maximum ambient air temperature	40 °C				
	Min / Max water temperature**	Min 4 °C / Max 65 °C				
	Flow switch sensitivity	0.6 l/min (approx)				
	Pressure vessel air pre-charge	0.9 bar (13 psi)			1.3 bar (18.5 psi)	
CONSTRUCTION	Enclosure protection	IPX4				
	Pump body / impeller	Brass				
	Mechanical seal	EPDM / PTFE / Al. Oxide				
CONNECTIONS	Pump connections	G ¾ M				
ANTI-VIBRATION HOSES	Connections (UK model)	G ¾ F x 22 mm push-fit x 310 mm long ± 5mm, isolating valves on all hoses				
	Connections (ROI model)	G ¾ F x 21 mm push-fit x 305 mm long ± 5mm, isolating valves on all hoses				
	Connections (Export model)	G ¾ F x G ¾ F x 318 mm long ± 5mm				
MOTOR	Type	Induction (auto-reset thermal trip)				
	Duty rating	Continuous (S1) @ 9 l/min and above***				
ELECTRICAL	Power supply (Vac/Ph/Hz)	230 V a.c. / 1 / 50 Hz				
	Current – full load	1.5 Amps	1.9 Amps	2.9 Amps	3.9 Amps	5.1 Amps
	Power consumption – P1	355 Watts	435 Watts	655 Watts	875 Watts	1135 Watts
	Fuse rating	5 Amps			13 Amps	
	Power cable length	1.5 metres				
DIMENSIONS	Length	265 mm			300 mm	310 mm
	Width	162 mm				
	Height – excluding hoses	243 mm				
	Weight – including fittings	8.8 Kg	8.8 Kg	9.2 Kg	11.1 Kg	11.6 Kg



* The maximum pressure that can be applied to the pump under any installation conditions.

** A stored water temperature of 60 °C is considered sufficient to meet all normal requirements and will minimise deposition of scale in hard water areas.

*** Both heads pumping 4.5 l/min and above.

Pump Description	Dim. 'A'	Dim. 'B'
U1.5 bar Twin	227 mm	119 mm
U2.0 bar Twin	227 mm	119 mm
U3.0 bar Twin	227 mm	119 mm
U4.0 bar Twin	262 mm	154 mm
U4.5 bar Twin	272 mm	164 mm

Stuart Turner Limited reserves the right to amend specifications without notice.

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