STUART TURNER
ENGINEERED TO EXCEL

monsoon

Universal Twin Pumps

Monsoon Universal pumps remove the guesswork from pump selection. Fully automatic, they will function under both positive and negative head conditions and are suitable for installation into an open vented hot and cold water system. Universal Monsoon pumps do not require a gravity flow of water to start.

Universal twin pumps are designed for installation into both the hot and cold water supplies - boosting both equally.



5 year guarantee

From 50 dB(A) Quiet Operation

CE compliant product

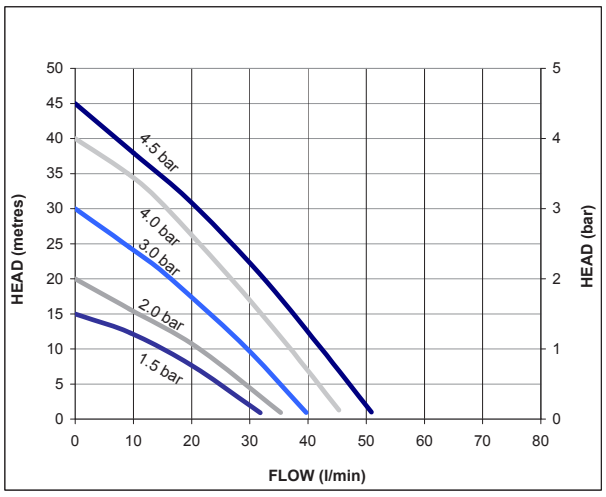
WRAS APPROVED PRODUCT

Features

- Robust brass construction
- 1.5 - 4.5 bar performance options
- Continuously rated
- Hard faced nitrile/carbon/silicon carbide seal
- G ¾ threaded connections
- Pre-wired with 1.5 metre power cable
- Anti-vibration feet
- 5 year guarantee (subject to conditions)
- **UK Specification:** Supplied with 22 mm push-in x 300 mm anti-vibration flexible hoses with integral isolating valves
- **ROI Specification:** Supplied with 21 mm push-in x 300 mm anti-vibration flexible hoses with integral isolating valves
- **Export Specification:** Supplied with G ¾ female x 300 mm long hoses

Application

- Boost hot and cold water services to the complete home, bathroom, kitchen or cloakroom.
- Pressurise the supply in applications such as loft conversions, where outlets are higher than the water source.



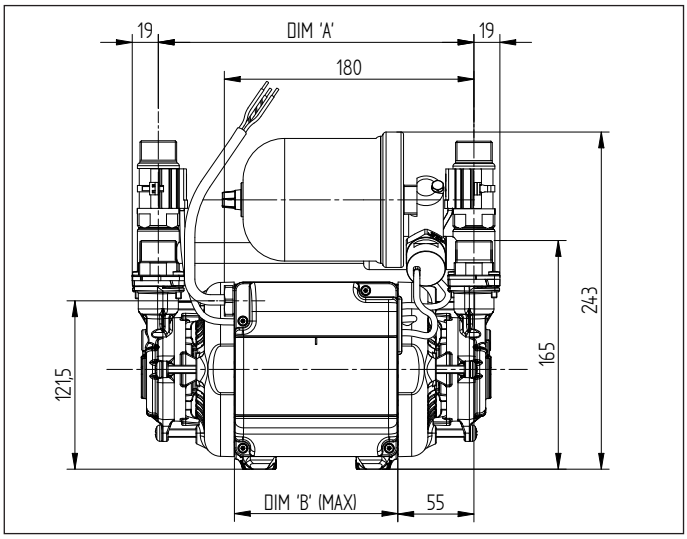
For further advice on selecting the correct pump call or e-mail info@stpumps.co.uk

pumpassist
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Pump Model		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	Guarantee	5 years				
	WRAS approval	1404701				
Features	Pump type	Peripheral				
	Mechanical seal	Nitrile/ Carbon / Silicon Carbide				
	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	✓	✓	✓	✓	✓
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 (approx)	0.6 l/min				
	Pressure vessel air pre-charge	0.9 bar (13 psi)			1.3 bar (18.5 psi)	
Connections	Pump connections	G ¾ male				
Flexible hoses	Connections (UK model)	G ¾ female x 22 mm push-in x 300 mm long, isolating valves on all hoses				
	Connections (ROI model)	G ¾ female x 21 mm push-in x 300 mm long, isolating valves on all hoses				
	Connections (Export model)	G ¾ female x G ¾ female x 300 mm long				
Motor	Type	Induction, auto-reset thermal trip				
	Duty rating	Continuous (S1) @ 9 l/min and above***				
Electrical	Power supply / phase / frequency	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	355 Watts	435 Watts	655 Watts	875 Watts	1135 Watts
	Fuse rating	5 Amps			13 Amps	
	Power cable (pre-wired)	1.5 metres				
Physical	Enclosure protection	IPX4				
	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.

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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