

# monsoon extra

## Booster Pumps

Monsoon Extra is a range of quality brass and stainless steel centrifugal multistage booster pumps, designed for larger installations that require higher flow rates.

Their high performance makes them an ideal choice for high demand, multiple outlet applications including larger houses, small hotels and leisure facilities where multiple showers would be a requirement.

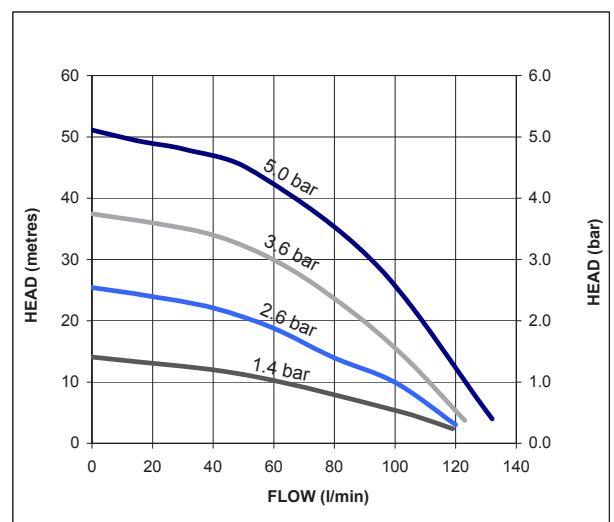


### Features

- Robust brass/stainless steel construction
- 1.4 - 5.0 bar performance options
- All pumps supplied with 2 x 300 mm anti-vibration flexible hoses threaded connections
- Fully automatic control - positive and negative head
- No on-site setting/commissioning
- Dry run protection
- No pulsing in operation
- Easy installation
- Reliable
- Quiet operation
- 3 year guarantee (subject to conditions)

### Application

- This range has been designed to provide a pressurised water supply from a break tank in either a positive or negative head application.
- The range is suitable for commercial or domestic use, pumping hot or cold water.



For further advice on selecting the correct pump call  
or e-mail [info@stpumps.co.uk](mailto:info@stpumps.co.uk)

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Pump Model		U1.4 bar Single 46349	U2.6 bar Single 46593	U3.6bar Single 46594	U5.0 bar Single 46595	S1.4 bar Single 46387
General	Guarantee	3 years				
	WRAS approval	0512134	Approved material			0304065
Features	Pump type	Centrifugal				
	Mechanical seal	Nitrile/Carbon/ Silicon Carbide	EPDM/Carbon/Ceramic			Nitrile/Carbon/ Silicon Carbide
	Anti-vibration feet	✓	✓	✓	✓	✓
	Inlet strainer(s)	✓	✓	✓	✓	✓
	Flexible hoses	2	2	2	2	2
	Run on Timer	3 sec	3 sec	3 sec	3 sec	-
	Dry run protection	✓	✓	✓	✓	✓
	Performance	Maximum head (closed valve)	1.4 bar	2.6 bar	3.6 bar	5.0 bar
Performance @ 45 l/min		1.2 bar	2.0 bar	3.3 bar	4.7 bar	1.2 bar
Performance @ 90 l/min		0.7 bar	1.2 bar	2.0 bar	3.0 bar	0.7 bar
Maximum flow		120 l/min		125 l/min	135 l/min	120 l/min
Maximum static inlet pressure		8 metres	10 metres			
Maximum static outlet pressure		8 metres	13 metres			-
Maximum working pressure*		500 kPa (5 bar)	600 kPa (6 bar)	900 kPa (9 bar)		500 kPa (5 bar)
Maximum ambient air temperature		40 °C				
Min / Max water temperature**		Min 4 °C / Max 65 °C				
Flow switch sensitivity (approx)		1.0 l/min				
Pressure vessel air pre-charge		0.9 bar (13 psi)	2.1 bar (30.5 psi)			-
Cut in flow		1 l/min (approx)				-
Cut in pressure		80 kPa (0.8 bar)	180 kPa (1.8 bar)			-
Connections	Pump connections	G 1 male				
Flexible hoses	Connections	G 1 male x G 1 female x 300 mm long				
Motor	Type	Induction type, thermally protected				
	Duty rating	Continuous (S1)				
Electrical	Power supply / phase / frequency	230 V a.c. / 1 / 50 Hz				
	Current (full load)	1.8 Amps	3.5 Amps	5.1 Amps	7.3 Amps	2.0 Amps
	Power consumption	415 Watts	775 Watts	1136 Watts	1630 Watts	445 Watts
	Fuse rating	5 Amps	13 Amps			5 Amps
	Power lead (pre-wired)	1.5 metres	0.75 metres			1.5 metres
Physical	Enclosure protection	IPX4	IPX5			IPX4
	Length	273 mm	394 mm	418 mm	469 mm	273 mm
	Width	159 mm	155 mm		187 mm	133 mm
	Height (excluding hoses)	338 mm	312 mm		332 mm	264 mm
	Weight (including fittings)	8.7 Kg	12.7 Kg	15.1 Kg	18.2 Kg	7.7 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.

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