

New thinking from Armitage Shanks

healthcare taps and mixers

Featuring Markwik thermostatic

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Armitage Shanks works closely with healthcare staff and administrators across the UK to ensure their ever changing requirements are met in full.

New legislation, new requirements, **new thinking**

Today's healthcare market is changing faster than ever before. New government initiatives, new NHS regulations and increased public awareness about issues such as MRSA demand higher and higher levels of performance from healthcare professionals and the equipment they rely on.

Nobody understands the problems better than Armitage Shanks. Our continual programme of meetings and consultations with healthcare professionals and focus groups allows us an unrivalled understanding of the requirements of the healthcare market. We are always looking for new ideas, new products and new ways of thinking to find better ways of meeting those requirements.

Nowhere is this more apparent than in our latest range of thermostatic mixer taps. State of the art design and fittings bring new levels of performance and functionality, ensuring our taps fully meet the demands of an ever more sophisticated healthcare market.

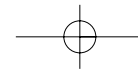
All our taps and mixers have been specifically designed to address current concerns on issues such as infection control. They include ground breaking ideas such as hot flush self cleansing and built in thermostats that eliminate the possible warm water dead leg between the thermostat and the tap.

For added confidence, all of the fittings shown in this brochure comply with the latest NHS guidelines, including HTM64, HTM04, HFN 30 and HBN 26. Other sources are Document M of the Building Regulations 2000 (as amended 2004) and BS8 300.

New thinking from Armitage Shanks. A new level of performance from one of the most trusted names in healthcare.

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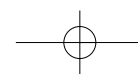
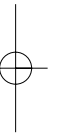
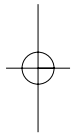
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New thinking



“Avoid swan neck outlets as they do not empty after use. Strainers and anti-splash fittings at outlets should not be used as they easily become contaminated with bacteria”
2002 HFN 30 (Infection control in the built environment)



Single lever mixer HTM64 TB H2

This new design, for use in medical or nursing procedures, provides state of the art features to comply with the latest NHS requirements. The single lever operates on/off temperature controls for straightforward operation, simplifying handwash procedures and the long arm is operated with elbows to avoid hand contact. Suitable for high and low pressure systems it can be set to deliver a thermostatically controlled water temperature of 41° maximum. The single lever tap is available in different formats for wall or deck mounting, new or retro fit, manual or sensor activated operation. Complies with guidelines laid out in HTM64, HTM04 and HFN 30.



Features include

- Built in cleansing feature**
 This feature allows the thermostat to be cleansed without removing any panels to access any thermostats. By attaching a special bridging pipe the whole fitting can be flushed through with hot water.
- Horizontal nozzle with down facing spout**
 This ensures water drains away, avoiding the risk of bacteria build up (in compliance with regulation HFN 30).
- Spout drops down below lever and tap legs**
 This increases the activity space to 200mm - more than most other fittings.
- Audit and service from in front of the panel**
 Easy access to strainers, filters and check valves without the need to remove the panel means lower maintenance costs and minimal down time.
- Integral isolation valves**
 Isolation valves can be accessed without removing the panel.
- Single lever operation**
 Long easy to operate handle, with approximately 180° span for greater control sensitivity.
- Purpose designed fitting**
 In compliance with the latest NHS guidelines, the taps have 'no unnecessary exposed threads or connections', offering improved hygiene and easier cleaning.
- Integral thermostat**
 This eliminates the risk associated with warm water dead leg, that can occur with a separate thermostat.
- Water flow always starts from cold**
 To ensure safe usage and cold purge.
- Sequential operation**
 Water flow always starts from cold through to a 'safe' hot water maximum. Both hot and cold supply are purged.

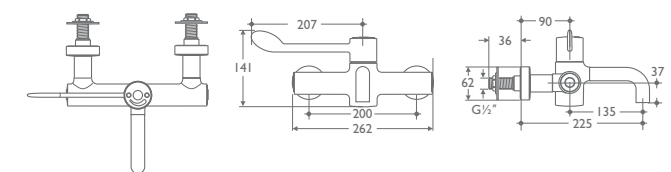


Built in cleansing

An important element of both our single and dual control mixers is the built in cleansing feature. This simple operation, which should be carried out by maintenance personnel, involves connecting a bridging hose from the hot water inlet across to the cold water inlet. Hot water can then be flushed through all of the tap, killing potentially dangerous bacteria.



Markwik thermostatic sequential mixer HTM64 TB H2 fitting



PRODUCT CODE
S8247AA

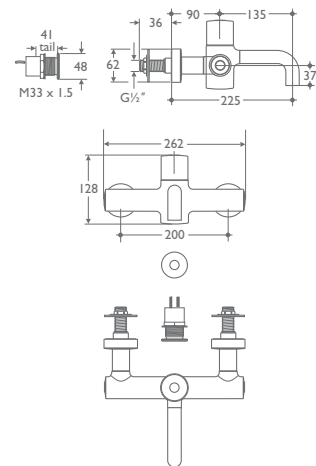
Sensor operated mixers



Markwik electronic thermostatic mixer with proximity sensor
HTM64 TB H6 fitting

For use in general areas where water saving benefits are key. Tap is activated by movement and proximity to sensor and stops immediately when both movement and proximity stop.

For a full list of features and benefits please see page 6.



PRODUCT CODE
S8244AA

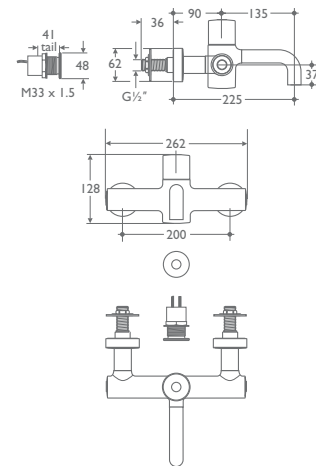


Markwik electronic thermostatic mixer with time flow sensor
HTM64 TB H6 fitting

For medical / nursing procedure areas. This tap is activated by moving a hand over the remote sensor. Once the water will run for a predetermined length of time (set up on installation). This is particularly suited to scrub up areas.

Both sensor operated mixers are supplied with the cleansing feature. This means that even sensor operated fittings can be maintained in the most sensitive of areas without removing any IPS or access panels.

For a full list of features and benefits please see page 6.



PRODUCT CODE
S8252AA

Retro fit mixers



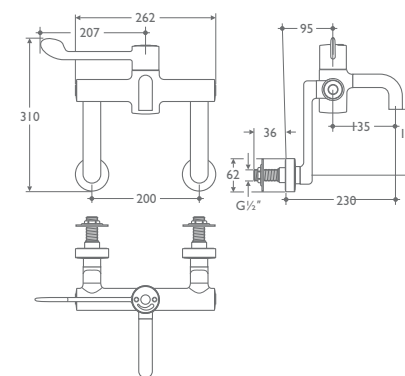
Retro fit

Markwik sequential thermostatic mixer with extended legs
HTM64 TB H2 fitting

The opportunity to upgrade from existing twin lever swan neck manual taps led to the design of this fitting. Existing IPS panels will not need replacing and inline thermostats sited in the duct can be removed, as tap centres are the same.

The upgrade leaves you with all the benefits of integral thermostat, single lever and horizontal nozzle as part of on going maintenance and replacement programmes. The cleansing feature is supplied as standard.

For a full list of features and benefits please see page 6.



PRODUCT CODE
S8243AA

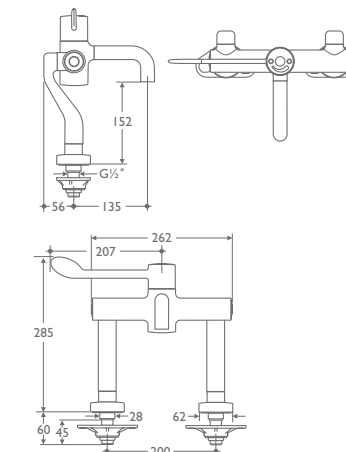


Retro fit

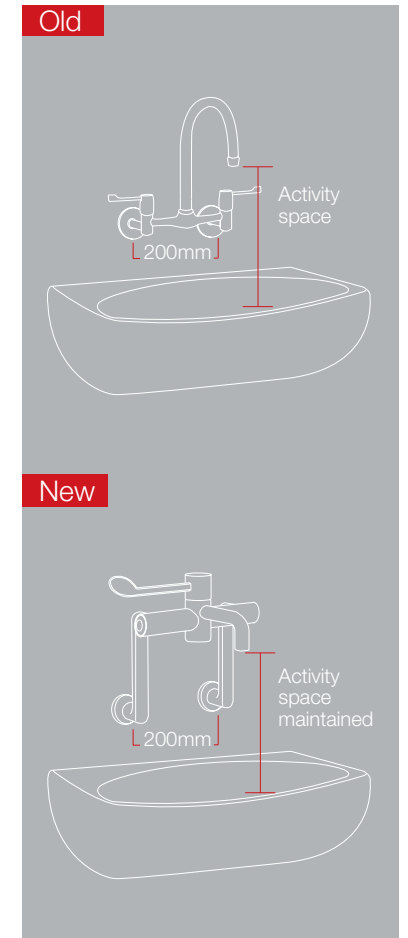
Markwik deck mounted sequential thermostatic mixer
HTM64 TP7 fitting

This fitting can be used on sinks or basins with 200mm tap centres. Existing fittings can be updated to include the benefits of a horizontal nozzle, integral thermostat and single lever operation. The fitting is supplied with cleansing feature as standard.

For a full list of features and benefits please see page 6.



PRODUCT CODE
S8249AA



The two taps shown on this page are designed to replace existing taps via the standard 200mm tap centre fittings. Extended legs maintain the activity space whilst a horizontal nozzle with down facing spout ensures water drains away, avoiding the risk of bacteria build up (in compliance with NHS guideline HFN 30).

New thinking



“The taps must not be aligned to run directly into the drain aperture as this can cause contaminated aerosols to be dispersed” 2002 HFN 30 (Infection control in the built environment)

Dual control mixer HTM64 TB H2

Offering the same advanced features as our single lever taps, the dual control swivel spout fitting also allows the operator the ability to choose the temperature they require.

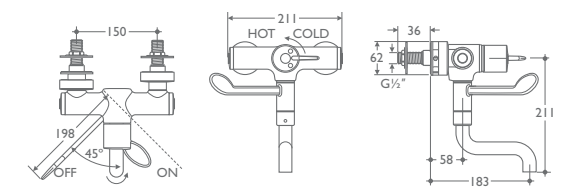
Complies with guidelines laid out in HTM64, HTM04 and HFN 30.

Features include

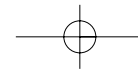
- Built in cleansing feature**
 This feature allows the thermostat to be cleansed without removing panels to access any thermostats. Using a cleansing bridge it also means the fitting can be cleansed using the hot circulating temperature without accessing the thermostat in the tap.
- Horizontal nozzle with down facing spout**
 This ensures water drains away, avoiding the risk of bacteria build up (in compliance with regulation HFN 30).
- Swivel spout drops down below lever and tap legs**
 This increases the activity space to 200mm - more than most other fittings.
- Audit and service from in front of the panel**
 Easy access to strainers, filters and check valves without the need to remove the panel means lower maintenance costs and minimal down time.
- Integral isolation valves**
 Isolation valves can be accessed without removing the panel.
- Dual lever operation**
 Separate levers control water flow and temperature, allowing the operator to set their own temperature.
- Purpose designed fitting**
 In compliance with the latest NHS guidelines, the taps have 'no unnecessary exposed threads or connections', offering improved hygiene and easier cleaning.
- Integral thermostat**
 This eliminates the risk associated with warm water dead leg, that can occur with a separate thermostat.
- Water flow always starts from cold**
 To ensure safe usage and cold purge.
- Lock shield option**
 Allows fixed temperature.



Markwik wall mounted thermostatic dual control mixer
HTM64 TB H2 fitting



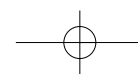
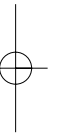
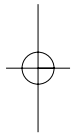
PRODUCT CODES
S8248AA



New thinking



“Hand hygiene is the single most important factor in the prevention of healthcare-associated infection” 2002 HFN 30 (Infection control in the built environment)



Nuastyle thermostatic basin mixer HTM64 TP6

The Nuastyle basin mixer is the last in the family of integral thermostatic fittings. Serviceable from outside the IPS panel and operated via a single lever with the benefits of sequential operation. Lever operation makes this fitting particularly suited to the less able. Complies with guidelines laid out in HTM64.

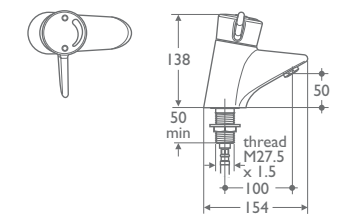


Features include

- **Integral thermostat**
The integral thermostat helps to reduce the risk of legionella as there is no warm water left standing in pipework between the thermostat and the tap.
- **Complies with Building Regulations**
Part M of Building Regulations now requires thermostatic taps to be used in disabled washrooms. Tap can be operated with a closed fist.
- **Sequential operation**
Sequential operation means that the water flow always starts at cold, removing risk of scalding and ensuring a cold water purge.
- **Easy installation**
The mixer fits into a standard 28 - 35mm tap hole for easy fitting and retro fitting.
- **Integral isolation valves**
Isolation valves can be accessed without removing the panel.
- **Purpose designed fitting**
In compliance with the latest NHS guidelines, the taps have 'no unnecessary exposed threads or connections', offering improved hygiene and easier cleaning.



Nuastyle thermostatic basin mixer
HTM64 TP6 fitting



PRODUCT CODE
S7449AA

Thermostatic shower with mounting box HTM64 TM1

A single lever thermostatic valve fully pre-plumbed into a stainless steel box including steel cover plate. The box enables the valve to be fitted into the wall or IPS panel and allows full and quick access to the whole valve including the isolation valves and pipework connections. TMV3 approved (type 3).

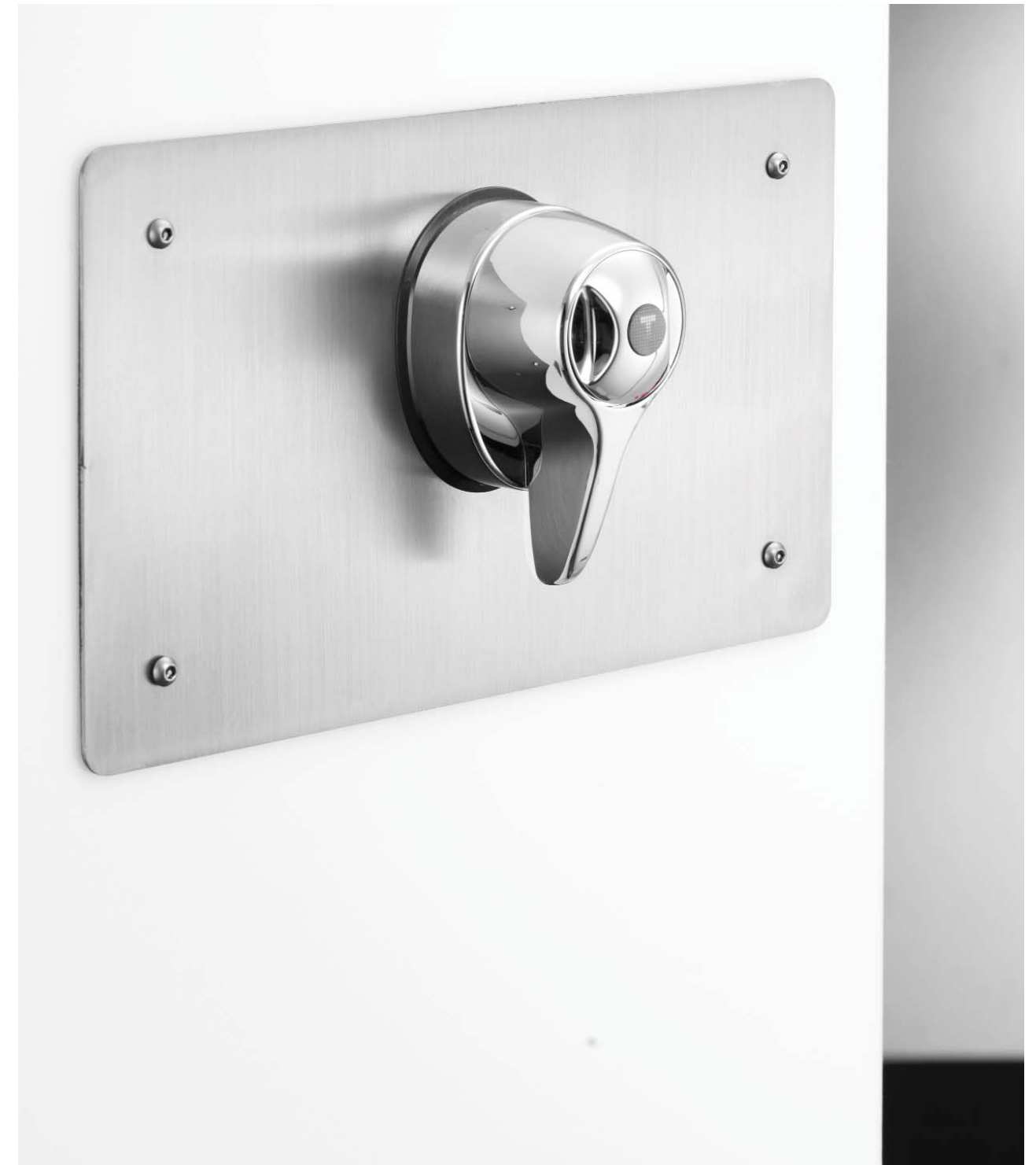


Features include

- **Automatic shut off if cold water supply fails**
Ensures safe usage, preventing accidental scalding.
- **Mounting box for easier installation**
Suitable for 'first fix' fitting before walls are finished. The shower can be plumbed from the top or bottom of the mounting box (see illustration below).
- **Easy access for maintenance**
The design of the mounting box means it is easy to remove, providing efficient access to the fittings for routine inspections and audit.
- **High quality fittings and robust build**
The shower uses a high quality Trevi CTV shower valve. High resistance against vandalism makes the shower suitable for use in public places.
- **Available in Chrome or White finishes**

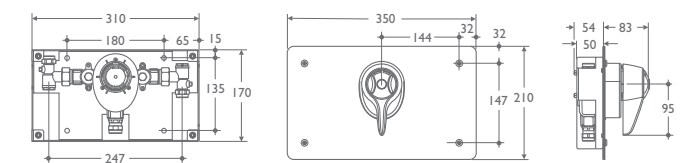


Flexible fitting
The shower box offers the option of being plumbed from either the top or the bottom, as shown by the arrows.



Thermostatic shower with mounting box HTM64 TM1 fitting

PRODUCT CODE
S6933MY CHROME S6933AC WHITE

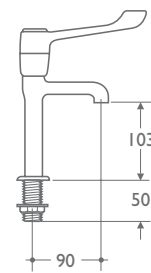




Markwik high neck pillar taps
HTM64 TP3 fitting

For use on kitchen sinks, pantries, slop sinks and plaster sinks.

Deck mounted chrome plated taps with 15cm levers, suitable for closed fist operation.



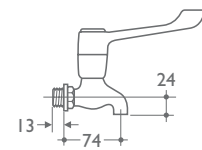
PRODUCT CODE
S8265AA



Markwik wall mounted bib taps
HTM64 TB H1 fitting

For use on kitchen sinks, pantries, slop sinks and plaster sinks.

Wall mounted chrome plated taps with 15cm levers, suitable for closed fist operation.



PRODUCT CODE
S8270AA



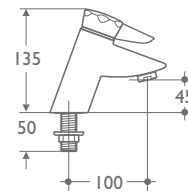
Nuastyle pillar taps
HTM64 TP5 fitting

For use in en suites, bathrooms, staff areas and public areas.

Deck mounted chrome plated brass taps with anti vandal indices.




Suitable for closed fist operation.

TMV3 D08 approved thermostatic mixer should be used on the hot water supply.










PRODUCT CODE
S7106AA

Healthcare taps and mixers - at a glance

Name	Description and Features	Usage
<p>Markwik thermostatic sequential mixer Page 7</p> 	<ul style="list-style-type: none"> • Single lever operation with large easy to use lever • 200mm tap centres • Easy access for maintenance - no need to remove panels • Horizontal Spout • Cleansing feature <p>PRODUCT CODE S8247AA HTM64 TB H2</p>	<p>Medical or Nursing Procedures</p> <p>For use on basins in Dirty Utility, Clean Utility, Consulting, Treatment Room, Wards</p> <p>For use on troughs in scrub up areas and medium and large hospital pattern basins.</p>
<p>Markwik electronic thermostatic mixer with proximity sensor Page 8</p> 	<ul style="list-style-type: none"> • Sensor operated means no hand touch • Water saving potential • 200mm tap centres • Easy access for maintenance - no need to remove panels • Horizontal Spout • Cleansing feature <p>PRODUCT CODE S8244AA HTM64 TB H6</p>	<p>Medical or Nursing Procedures</p> <p>For use on basins in Dirty Utility, Clean Utility, Consulting, Treatment Room, Wards</p>
<p>Markwik electronic thermostatic mixer with time flow sensor Page 8</p> 	<ul style="list-style-type: none"> • Sensor operated means no hand touch • 200mm tap centres • Easy access for maintenance - no need to remove panels • Horizontal Spout • Cleansing feature <p>PRODUCT CODE S8252AA HTM64 TB H6</p>	<p>Medical or Nursing Procedures</p> <p>For use on troughs in scrub up areas</p>
<p>Markwik sequential thermostatic mixer with extended legs Page 9</p> 	<ul style="list-style-type: none"> • Can be retro fitted from existing swan neck/twin lever tap with separate thermostat, without need to change IPS panels • 200mm tap centres • Easy access for maintenance - no need to remove panels • Horizontal Spout • Cleansing feature <p>PRODUCT CODE S8243AA</p>	<p>Medical or Nursing Procedures</p> <p>For use on basins in Dirty Utility, Clean Utility, Consulting, Treatment Room, Wards</p> <p>For use on troughs in scrub up areas</p>

Healthcare taps and mixers - at a glance

Name	Description and Features	Usage
<p>Markwik deck mounted sequential thermostatic mixer Page 9</p> 	<ul style="list-style-type: none"> • Can be retro fitted on existing basins and sinks with 200mm tap centres • Easy access for maintenance - no need to remove panels • Horizontal Spout • Cleansing feature <p>PRODUCT CODE S8249AA</p>	<p>Retro fit on basins and sinks with 200mm centres</p>
<p>Markwik wall mounted thermostatic dual control mixer Page 13</p> 	<ul style="list-style-type: none"> • 150mm tap centres • New Build situations • Dual lever allows operator to set own temperature and water flow • Easy access for maintenance - no need to remove panels • Horizontal Spout • Cleansing feature <p>PRODUCT CODE S8248AA HTM64 TB H2</p>	<p>Medical or Nursing Procedures For use on basins in Dirty Utility, Clean Utility, Consulting, Treatment Room, Wards For use on troughs in scrub up areas</p>
<p>Nuastyle thermostatic basin mixer Page 17</p> 	<ul style="list-style-type: none"> • Satisfies part M of Building regulations • Single easy use lever • Suitable for high and low pressure systems • Serviceable from outside panel • Fits into standard pillar tap hole (28 - 35mm) • TMV3 Approved <p>PRODUCT CODE S7449AA HTM64 TP6</p>	<p>Hand rinse basins Off Ward WC, Assisted WC, DOC M, Public areas</p>
<p>Thermostatic shower with mounting box Page 19</p> 	<ul style="list-style-type: none"> • Lever Operated thermostatic valve • Supplied pre plumbed in stainless steel box with cover plate • Comes complete with isolating valves, non return valves and filters • Operates on very high differential inlet pressures (5:1) • TMV 3 Approved <p>PRODUCT CODE S6933AA CHROME PRODUCT CODE S6933AC WHITE HTM64 TM1</p>	<p>For use in Showering areas, en suites, staff showers</p>

Name	Description and Features	Usage
<p>Markwik high neck pillar taps Page 20</p> 	<ul style="list-style-type: none"> • Deck mounted chrome plated taps with 15cm levers • Suitable for close fist operation <p>PRODUCT CODE S8265AA HTM64 TP3</p>	<p>For use on all sinks in kitchen, pantry, slop sink, plaster sinks etc</p>
<p>Markwik wall mounted bib taps Page 20</p> 	<ul style="list-style-type: none"> • Wall mounted chrome plated taps with 15cm levers • Suitable for close fist operation <p>PRODUCT CODE S8270AA HTM64 TB H1</p>	<p>For use on all sinks in kitchen, pantry, slop sink, plaster sinks etc</p>
<p>Nuastyle pillar taps Page 20</p> 	<ul style="list-style-type: none"> • Deck mounted chrome plated brass taps with anti vandal indices. Particularly suitable for contract use • Suitable for close fist operation <p>PRODUCT CODE S7106AA HTM64 TP5</p>	<p>For use in en suites, bathrooms, staff areas and public areas. TMV3 D08 approved thermostatic mixer should be used on the hot water supply.</p>

Technical Helpline 0870 122 8822

Colours printed in this brochure are as near as possible to the manufactured range of Armitage Shanks quality bathrooms. For accurate comparisons of colours, see actual ware on display at Armitage Shanks retailers. Our policy is one of continuous improvement and we reserve the right to change specification and design at any time without notice. All measurements are in millimetres and are approximate. Products can be subject to tolerances due to manufacturing processes. A division of Ideal Standard (UK) Ltd © Armitage Shanks P894 05/06