

**WATER REGULATIONS  
ADVISORY SERVICE**



All sanitary fittings that deliver water from a public mains water supply must comply with the Water Supply (Water Fittings) Regulations (1999) or Scottish Byelaws.

These fittings must be of an 'appropriate quality and standard' and must not contaminate the water or cause wastage.

Products that are WRAS approved demonstrate this compliance and are recognised by all water suppliers in the UK.

**TMV3 SCHEME**



The TMV scheme, administered by NSF International, certifies that TMV3-designated thermostatic mixing valves (TMVs) conform to performance requirements of D08 for valves used in high-risk areas of healthcare premises. The Department of Health's HTM 04-01 specifies that Type 3 valves must comply with D08 requirements.

TMV2-designated thermostatic mixing valves are compliant with BS EN 1111 (high pressure) and/or 1287:1999 (low pressure), as required by UK Building Regulations Part G to reduce the risk of scalding in domestic or other domestic type situations.

Reference	Product	WRAS Certificate	Expiry Date	BuildCert Certificate	Expiry Date	Page
20002	2 x BIOCLIP stainless steel spouts L129mm Ø28	WRAS1811017	30/11/23	-	-	54
20040	BIOFIL 2M sterile filter spout L. 138mm Ø22mm	Renewal	-	-	-	23
20250	BIOFIL 2M sterile tap filter, shower flow	WRAS2106051	30/06/26	-	-	21
20251	BIOFIL 2M sterile tap filter, straight flow	WRAS2106051	30/06/26	-	-	21
20261	BIOFIL 2M sterile screw-in shower filter	WRAS2106051	30/06/26	-	-	22
20350	BIOFIL 3M sterile tap filter, shower flow	WRAS2106052	30/06/26	-	-	21
20351	BIOFIL 3M sterile tap filter, straight flow	WRAS2106052	30/06/26	-	-	21
20361	BIOFIL 3M sterile screw-in shower filter	WRAS2106052	30/06/26	-	-	22
20450	BIOFIL 4M sterile tap filter, shower flow	WRAS2106052	30/06/26	-	-	21
20451	BIOFIL 4M sterile tap filter, straight flow	WRAS2106052	30/06/26	-	-	21
20461	BIOFIL 4M sterile screw-in shower filter	WRAS2106052	30/06/26	-	-	22
2446LEPUK	EP sink mixer c-c 150, fixed spout L150, Hyg L., inline S/C	WRAS2004055	30/04/25	-	-	92
2447LEPUK	EP sink mixer c-c 200, fixed spout L150, Hyg L., inline S/C	WRAS2004055	30/04/25	-	-	92
2447LUK	Mech sink mixer c-c 200, fixed spout L150, Hyg L., in-L S/C	WRAS2004055	30/04/25	-	-	92
2541	Waterproof recessed shower mixer, kit 2/2 (+254BOX)	WRAS2211049	30/11/27	-	-	136
2541EP	Waterproof recessed EP shower mixer, kit 2/2 (+254BOX)	WRAS2211049	30/11/27	-	-	136
254BOX	Waterproof recessed housing for mech shower no elbow kit 1/2	WRAS2211049	30/11/27	-	-	136
254CBOX	Waterproof recessed housing for mech shower w elbow kit 1/2	WRAS2211049	30/11/27	-	-	136
2551	Waterproof rec shower mixer with elbow kit 2/2 (+254CBOX)	WRAS2211049	30/11/27	-	-	136
2551EP	Waterproof rec EP shower mixer with elbow kit 2/2 (+254CBOX)	WRAS2211049	30/11/27	-	-	136
2564T1	Mech basin mixer high swivel spout H.165 L.140 Hygiene lever	WRAS2205018	31/05/27	-	-	55
2564T1EP	EP basin mixer high swivel spout H.165 L.140, Hygiene lever	WRAS2205018	31/05/27	-	-	55
2564T2	Mech basin mixer high swivel spout H.165 L.220 Hygiene lever	WRAS2205018	31/05/27	-	-	55
2564T2EP	EP basin mixer high swivel spout H.165 L.220, Hygiene lever	WRAS2205018	31/05/27	-	-	55
2564T3	Mech basin mixer high swivel spout H.305 L.140 Hygiene lever	WRAS2205018	31/05/27	-	-	69
2564T3EP	EP basin mixer with high swivel spout H.305 L.140 Hyg lever	WRAS2205018	31/05/27	-	-	69
2564T4	Mech basin mixer high swivel spout H.305 L.220 Hygiene lever	WRAS2205018	31/05/27	-	-	69
2564T4EP	EP basin mixer with high swivel spout H.305 L.220, Hyg lever	WRAS2205018	31/05/27	-	-	69
2564T5	Mech basin mixer high swivel spout H.205 L.170 Hygiene lever	WRAS2205018	31/05/27	-	-	55
2564T5EP	EP basin mixer high swivel spout H.205 L.170, Hygiene lever	WRAS2205018	31/05/27	-	-	55
2565T1	Mechanical basin mixer high fixed spout H165 L140, Hyg lever	WRAS2109034	30/09/26	-	-	55
2565T1EP	EP basin mixer high fixed spout H.165 L.140 Hygiene lever	WRAS2109034	30/09/26	-	-	55
2565T3	Mech basin mixer high fixed spout H.305 L.140, Hygiene lever	WRAS2109034	30/09/26	-	-	69
2565T3EP	EP basin mixer high fixed spout H.305 L.140 Hygiene lever	WRAS2109034	30/09/26	-	-	69
2565T5	Mechanical basin mixer high fixed spout H205 L170 Hyg lever	WRAS2109034	30/09/26	-	-	55
2565T5EP	EP basin mixer high fixed spout H.205 L.170, Hygiene lever	WRAS2109034	30/09/26	-	-	55
2621	BIOSAFE mechanical basin mixer H95 no waste, solid lever	Renewal	-	-	-	47
26216	BIOSAFE mech basin mixer H95mm no waste, solid lever, copper	Renewal	-	-	-	47
26216EP	BIOSAFE EP basin mixer H95mm no waste, solid lever, copper	Renewal	-	-	-	47
26216MINI	BIOSAFE mech basin mixer H.50 no waste, solid lever, copper	Renewal	-	-	-	47
26216MINIEP	BIOSAFE EP basin mixer H50mm no waste, solid lever, copper	Renewal	-	-	-	47
2621EP	BIOSAFE EP basin mixer H95 no waste, solid lever	Renewal	-	-	-	47
2621MINI	BIOSAFE mech basin mixer H50mm no waste, solid lever	Renewal	-	-	-	47

Reference	Product	WRAS Certificate	Expiry Date	BuildCert Certificate	Expiry Date	Page
2621MINIEP	BIOSAFE EP basin mixer H50mm no waste, solid lever	Renewal	-	-	-	47
2640	Wall-mtd seq basin mixer fixed/swivel spout L120 offset SC	WRAS2012073	31/12/25	-	-	-
2640P	Wall-mtd mech mixer fixed/swivel spout L.120 inline STP/CHK	WRAS2012073	31/12/25	-	-	90
2641	Wall-mtd seq basin mixer fixed/swivel spout L200 offset SC	WRAS2012073	31/12/25	-	-	-
2720L	Mechanical basin mixer H.95mm L.120mm + waste, Hygiene lever	WRAS2104704	31/04/2026	-	-	41
2720LEP	EP basin mixer H.95mm L.120mm + waste, Hygiene lever	WRAS2104703	31/04/2026	-	-	41
2720T	Mechanical basin mixer H.95mm L.120mm + waste, solid lever	WRAS2104704	31/04/2026	-	-	41
2720TEP	EP basin mixer H.95mm L.120mm + waste, solid lever	WRAS2104703	31/04/2026	-	-	41
2721L	Mechanical basin mixer H95mm L120mm, no waste, Hygiene lever	WRAS1807008	31/07/23	-	-	41
2721LEP	EP basin mixer H.95mm L.120mm, no waste, Hygiene lever	WRAS1807008	31/07/23	-	-	41
2721T	Mechanical basin mixer H95mm L120mm, no waste, solid lever	WRAS1807008	31/07/23	-	-	41
2721TEP	EP basin mixer H95mm L120mm, no waste, solid lever	WRAS1807008	31/07/23	-	-	41
2739	Securitouch mechanical shower mixer, sculptured lever, SC	WRAS2004010	30/04/25	-	-	133
2739EP	SECURITHERM EP shower mixer, sculptured lever, SC unions	WRAS2004010	30/04/25	-	-	133
2739EPS	SECURITHERM EP shower mixer, sculptured lever, offset std	WRAS2004010	30/04/25	-	-	133
2739S	Securitouch mechanical shower mixer, sculptured lever, std	WRAS2004010	30/04/25	-	-	133
2739T	Securitouch mechanical shower mixer, solid lever, SC unions	WRAS2004010	30/04/25	-	-	133
2739TEP	SECURITHERM EP shower mixer, solid lever, SC unions	WRAS2004010	30/04/25	-	-	133
2739TEPS	SECURITHERM EP shower mixer, solid lever, standard unions	WRAS2004010	30/04/25	-	-	133
2739TS	Securitouch mechanical shower mixer, solid lever, std unions	WRAS2004010	30/04/25	-	-	133
2820L	BIOCLIP mechanical basin mixer H95 L120 waste Hygiene lever	WRAS2104704	31/04/2026	-	-	39
2820LEP	BIOCLIP EP basin mixer H95mm L120mm, waste, Hygiene lever	WRAS2104703	31/04/2026	-	-	39
2820T	BIOCLIP mech basin mixer H95mm L120mm waste, solid lever	WRAS2104704	31/04/2026	-	-	39
2820TEP	BIOCLIP EP basin mixer H95mm L120mm, waste, solid lever	WRAS2104703	31/04/2026	-	-	39
2821L	BIOCLIP mechanical basin mix H95 L120 no waste Hygiene lever	WRAS1807008	31/07/23	-	-	39
2821LEP	BIOCLIP EP basin mix H95mm L120mm no waste, Hygiene lever	WRAS1807008	31/07/23	-	-	39
2821T	BIOCLIP mech basin mixer H95mm L120mm no waste solid lever	WRAS1807008	31/07/23	-	-	39
2821TEP	BIOCLIP EP basin mixer H95mm L120mm, no waste, solid lever	WRAS1807008	31/07/23	-	-	39
30040	BIOFIL 2M non-sterile filter spout L. 138mm Ø22mm	Renewal	-	-	-	23
30250	BIOFIL 2M non-sterile tap filter, shower flow	WRAS2106051	30/06/26	-	-	21
30251	BIOFIL 2M non-sterile tap filter, straight flow	WRAS2106051	30/06/26	-	-	21
30261	BIOFIL 2M non-sterile clip-in shower filter	WRAS2106051	30/06/26	-	-	22
30350	BIOFIL 2M non-sterile screw-in shower filter	WRAS2106052	30/06/26	-	-	21
30351	BIOFIL 3M non-sterile tap filter, shower flow	WRAS2106052	30/06/26	-	-	21
30361	BIOFIL 3M non-sterile tap filter, straight flow	WRAS2106052	30/06/26	-	-	22
30450	BIOFIL 4M non-sterile tap filter, shower flow	WRAS2106052	30/06/26	-	-	21
30451	BIOFIL 4M non-sterile tap filter, straight flow	WRAS2106052	30/06/26	-	-	21
30461	BIOFIL 4M non-sterile screw-in shower filter	WRAS2106052	30/06/26	-	-	22
311QU1	Swan neck fountain tap M3/8"	WRAS1912028	31/12/24	-	-	-
312QU1	Bubbler tap chromed M3/8" for fountain	WRAS1912028	31/12/24	-	-	-
37801515	BINOPTIC basin tap Ø15 for comp. fitting 230/12V + trans	WRAS1912055	31/12/24	-	-	29
378MCH15	BINOPTIC MIX basin mixer Ø15 for CF mains 230/12V + trans	WRAS1912055	31/12/24	-	-	29
379D1315	BINOPTIC c-w 190 basin tap Ø15 for CF spout L135 mains +trans	WRAS1910041	31/10/24	-	-	84
379DER15	BINOPTIC c-w 190 basin tap Ø15 for CF spout L205 mains +trans	WRAS1910041	31/10/24	-	-	84
379ENC15	BINOPTIC rec basin tap Ø15 for CF spout L200 mains + trans	WRAS1910041	31/10/24	-	-	84
379MCH15	BINOPTIC MIX c-wall 110 basin mix Ø15 for CF mains + trans	WRAS1910041	31/10/24	-	-	84
38801515	BINOPTIC basin tap Ø15 for CF H.170mm 230/12V mains supply	WRAS2003049	31/03/25	-	-	63
388MCHLH15	BINOPTIC MIX basin Ø15 for CF H.170mm mixer 230/12V mains	WRAS2003049	31/03/25	-	-	63
39801515	BINOPTIC basin Ø15 for CF H.250mm tap 230/12V mains supply	WRAS2003049	31/03/25	-	-	63
398MCHLH15	BINOPTIC MIX basin Ø15 for CF H.250mm mixer 230/12V mains	WRAS2003049	31/03/25	-	-	63
44000115	TEMPOMATIC 4 basin tap M1/2" rec UK mains plug Ø15 stopcock	Renewal	-	-	-	32
440006	TEMPOMATIC 4 basin tap F3/8" int. 6V batteries + stopcock	Renewal	-	-	-	-
44000615	TEMPOMATIC 4 basin tap M1/2" 6V batteries 15mm + stopcock	Renewal	-	-	-	32
443406	TEMPOMATIC 4 wall mounted basin tap M1/2" 6V batteries L.130	WRAS2204045	31/04/2027	-	-	85
443506	TEMPOMATIC 4 wall mounted basin tap M1/2" 6V batteries L190	WRAS2204045	31/04/2027	-	-	85
44900115	TEMPOMATIC 5 basin tap M1/2" UK mains plug Ø15 + stopcock	Ongoing	-	-	-	33

## DELABIE / Certification

Reference	Product	WRAS Certificate	Expiry Date	BuildCert Certificate	Expiry Date	Page
44900615	TEMPOMATIC 5 basin tap M1/2" 6V batteries 15mm + stopcock	Ongoing	-	-	-	33
464000	TEMPOMATIC WC dual control recessed st steel 230/6V kit 2/2	WRAS2112033	31/12/26	-	-	164
464006	TEMPOMATIC WC dual control recessed st steel 6V bat. kit 2/2	WRAS2112033	31/12/26	-	-	164
464PBOX	TEMPOMATIC WC 3/4" rec dual ctrl vlv 6V bat kit 1/2 (+464006)	WRAS2112033	31/12/26	-	-	164
464SBOX	TEMPOMATIC WC 3/4" dual control rec 230/6V kit 1/2 (+464000)	WRAS2112033	31/12/26	-	-	164
48801515	BINOPTIC basin Ø15 for CF tap H.170mm 6V battery operated	WRAS2003049	31/03/25	-	-	63
488MCHLH15	BINOPTIC MIX Ø15 for CF mixer H.170mm 6V battery operated	WRAS2003049	31/03/25	-	-	63
49000115	TEMPOMATIC MIX 4 basin M1/2" rec UK mains plug Ø15 stopcocks	Renewal	-	-	-	32
490006	TEMPOMATIC MIX 4 basin mixer F3/8" 6V batteries + stopcocks	Renewal	-	-	-	-
49000615	TEMPOMATIC MIX 4 basin mix M1/2" batteries 15mm + stopcocks	Renewal	-	-	-	32
49900115	TEMPOMATIC MIX 5 basin M1/2" rec UK mains plug Ø15 stopcocks	Ongoing	-	-	-	33
49900615	TEMPOMATIC MIX 5 basin mix M1/2" batteries 15mm + stopcocks	Ongoing	-	-	-	33
709000	Recessed vandal proof ROUND shower head M1/2"	WRAS1904701	30/04/24	-	-	137
712000	TONIC JET vandal proof recessed shower head M1/2"	WRAS1904701	30/04/24	-	-	137
732115	PREMIX NANO thermostatic mixer Ø15mm nickel body	WRAS1910701	31/10/24	-	-	102
732116	PREMIX NANO thermostatic mixer Ø15mm chromed body	WRAS1910701	31/10/24	-	-	102
733115	PREMIX COMPACT thermostatic mixer M1/2" Ø15mm rough body	Ongoing	-	-	-	102
733116	PREMIX COMPACT thermostatic mixer M3/4" Ø15mm rough body	Ongoing	-	-	-	102
734100	TEMPOGENOU angled MM1/2" lever L350 ~7sec	WRAS1907013	31/07/24	-	-	100
735400	TEMPOGENOU inline MM1/2" lever L350 ~7sec	WRAS1907013	31/07/24	-	-	100
735447	TEMPOGENOU inline MM1/2", lever L350 ~7sec comp. fittings	WRAS1907013	31/07/24	-	-	-
73544715	TEMPOGENOU inline MM1/2", lever L350 ~7sec comp fit + olives	WRAS1907013	31/07/24	-	-	100
792324	SECURITHERM therm SS panel top inlets ~30sec handset + fixed	WRAS2203702	31/03/27	-	-	129
792334	SECURITHERM therm SS panel rear inlet ~30sec handset + fixed	WRAS2203702	31/03/27	-	-	129
792344	SECURITHERM st steel therm sh panel top inlets + handspray	WRAS2203702	31/03/27	-	-	129
792354	SECURITHERM st steel therm sh panel back inlets + handspray	WRAS2203702	31/03/27	-	-	129
792770T	SECURITHERM TMV3 therm shower with filters for panels 1-7mm	WRAS2203702	31/03/27	-	-	-
808B.25P	25 × blue disposable shower kits L.0.85m	WRAS2207910	31/07/27	-	-	140
808Y.25P	25 × yellow disposable shower kits L.0.85m	WRAS2207910	31/07/27	-	-	140
809B.25P	25 × blue disposable shower kits L.1.50m	WRAS2207910	31/07/27	-	-	140
809Y.25P	25 × yellow disposable shower kits L.1.50m	WRAS2207910	31/07/27	-	-	140
820122N	Push-fit union F22/100 for BIOFIL tap filter	WRAS2204046	30/04/27	-	-	21
820123	Push-fit union M1/2" for BIOFIL tap filter	WRAS2204046	30/04/27	-	-	21
820124N	Push-fit union M24/100 for BIOFIL tap filter	WRAS2204046	30/04/27	-	-	21
820125	Push-fit union M24×125 for BIOFIL tap filter	WRAS2204046	30/04/27	-	-	21
820126N	Push-fit union M16.5×100 for BIOFIL tap filter	WRAS2204046	30/04/27	-	-	21
821122	Anti-vandal union F22/100 for BIOFIL tap filter	WRAS2204046	30/04/27	-	-	21
821123	Anti-vandal union M1/2" for BIOFIL tap filter	WRAS2204046	30/04/27	-	-	21
821124	Anti-vandal union M24/100 for BIOFIL tap filter	WRAS2204046	30/04/27	-	-	21
821125	Anti-vandal union M24/125 for BIOFIL tap filter	WRAS2204046	30/04/27	-	-	21
941120	Wall mounted fixed L-shaped spout M1/2" L120 - H60 adj FS	WRAS1811017	30/11/23	-	-	101
947120	Wall mounted fixed spout M1/2" L.110 H16 Ø32 adjustable FS	WRAS1811017	30/11/23	-	-	101
947135	Wall mtd fixed spout M1/2" L120 H16 Ø32 adj FS + plate Ø60	WRAS1811017	30/11/23	-	-	101
947151	Fixed spout for walls 165mm M1/2" L120 Ø32 adjustable FS	WRAS1811017	30/11/23	-	-	101
947157	Fixed spout for walls 165mm M1/2" L170 Ø32 adjustable FS	WRAS1811017	30/11/23	-	-	101
947170	Wall mounted fixed spout M1/2" L160 H16 Ø32 adjustable FS	WRAS1811017	30/11/23	-	-	101
9632SRV	Sub-assembly for thermostatic sequential mixer	Ongoing	-	Ongoing	-	-
9639SRV	Single control thermostatic sequential mixer	Ongoing	-	Ongoing	-	-
967152	Swivel swan neck spout M1/2" L150 H120 adj flow straightener	WRAS1811018	30/11/23	-	-	101
967202	Swivel swan neck spout M1/2" L200 H200 adj flow straightener	WRAS1811018	30/11/23	-	-	101
H9600	SECURITHERM therm sequential basin mixer H.95 L.120 no waste	WRAS1907015	31/07/24	NSF2176	07/11/2024	40
H960015	Therm seq basin mixer H.95 L.120, lever L.146, 15mm no waste	WRAS1907015	31/07/24	NSF2176	07/11/2024	40
H960015L	Therm seq basin mixer H.95 L.120, lever L.100, 15mm no waste	WRAS1907015	31/07/24	NSF2176	07/11/2024	40
H9600610	Therm seq basin mix H95 L120 lever L146 copper tail no waste	WRAS1907015	31/07/24	NSF2176	07/11/2024	40
H9600610L	Therm seq basin mix H95 L120 lever L100 copper tail no waste	WRAS1907015	31/07/24	NSF2176	07/11/2024	40

Reference	Product	WRAS Certificate	Expiry Date	BuildCert Certificate	Expiry Date	Page
H9605	SECURITHERM therm sequential BIOCLIP basin mixer H95 L120mm	WRAS1907015	31/07/24	NSF2176	07/11/2024	38
H960515	SECURITHERM seq BIOCLIP basin mixer H.95 L.120 L.146, 15mm	WRAS1907015	31/07/24	NSF2176	07/11/2024	38
H960515L	SECURITHERM seq BIOCLIP basin mixer H.95 L.120 L.100, 15mm	WRAS1907015	31/07/24	NSF2176	07/11/2024	38
H9605610	SECURITHERM seq BIOCLIP basin mix H95 L120 lever L146 copper	WRAS1907015	31/07/24	NSF2176	07/11/2024	38
H9605610L	SECURITHERM seq BIOCLIP basin mix H95 L120 lever L100 copper	WRAS1907015	31/07/24	NSF2176	07/11/2024	38
H9611P	SECURITHERM therm seq mixer SS BIOCLIP spt inline SC c-c 150	WRAS1910061	31/10/24	NSF2177	07/11/2024	87
H9614P	SECURITHERM seq mixer st st BIOCLIP spout c-c 200 inline SC	WRAS1910061	31/10/24	NSF2177	07/11/2024	87
H9615	SECURITHERM therm seq mixer st steel BIOCLIP spout w columns	WRAS1910062	31/10/24	NSF2177	07/11/2024	87
H9630	SECURITHERM therm seq shower mix bottom outlet, offset SC	WRAS1911704	31/11/2024	NSF2178	31/11/2024	-
H963015	SECURITHERM therm seq shower mixer btm outlet inline SC, 15mm	WRAS1911704	31/11/2024	NSF2178	31/11/2024	110
H9631	SECURITHERM waterproof seq rec shower mix, kit 2/2 (+H96BOX)	Ongoing	-	Ongoing	-	115
H9631L	SECURITHERM seq rec shower mix, Hyg lever kit 2/2 (+H96BOX)	Ongoing	-	Ongoing	-	115
H9633	SECURITHERM rec waterprf shower mix + elbow, 2/2 (+H96CBOX)	Ongoing	-	Ongoing	-	115
H9633L	SECURITHERM rec shower mix + elbow, Hyg lever 2/2 (+H96CBOX)	Ongoing	-	Ongoing	-	115
H9640	SECURITHERM thermostatic seq shower top outlet offset SC	WRAS1911704	31/11/2024	NSF2178	31/11/2024	-
H964015	SECURITHERM therm seq shower mixer top outlet inline SC, 15mm	WRAS1911704	31/11/2024	NSF2178	31/11/2024	110
H9741	SECURITHERM Securitouch thermostatic shower mixer, offset SC	WRAS2204054	30/04/27	-	-	-
H9741TP	SECURITHERM Securitouch therm shower mixer, inline SC TMV3	WRAS2204054	30/04/27	-	-	120
H9768TP	BIOSAFE therm shower mixer, ERGO controls, inline SC, TMV3	WRAS2112005	31/12/26	Ongoing	-	118

## DELABIE AND SANITARY FITTING COMPLIANCE IN HEALTHCARE FACILITIES

In recent years, the Department of Health & Social Care has issued various guidance for Sanitary Provision in healthcare facilities. The aim is to ensure appropriate solutions for the intended use. DELABIE's sanitary fittings have been specifically designed to be fit-for-purpose in specialist healthcare environments and to comply with current guidance.



### Health Technical Memorandum 04-01: Safe water in healthcare premises

HTM 04-01 Parts A – C (2016), and the Supplement (2016) for TMV performance specification, provide guidance for the design, installation, commissioning and operational management for the provision of safe water, with a specific focus on infection control and anti-scalding measures.

This supplements the Health and Safety Executive guidance HSG274 for legionella control in hot and cold water systems.



### Health Technical Memorandum 07-04: Water management and water efficiency – best practice advice for the healthcare sector (2013)

HTM 07-04 encourages the efficient management of water in healthcare facilities and highlights the economic and environmental benefits of self-closing/sensor taps, dual flush WCs and controlled-flush urinals in the appropriate environments (for more information about our urinal solutions see our Commercial Water Controls catalogue DOC 609 UK).



### Health Building Note 00-02: Sanitary spaces (Published 2013, updated 2016)

HBN 00-02 provides best practice guidance on the design and layout of sanitary spaces for use in healthcare settings and enhances Approved DOC M accessibility provision.



### Health Building Note 00-09: Infection control in the built environment (2013)

HBN 00-09 advocates the application of design principles to encourage desired behaviour to promote patient safety and comfort, prevent contamination and facilitate cleanliness.



### Health Building Note 00-10: Part C: Sanitary Assemblies (2013)

HBN 00-10 outlines essential quality and safety standards that sanitary assemblies must comply with.

Particular consideration is given to: infection prevention and control; patient safety; product standardisation, sustainability and life-cycle management; cleaning regimes and maintenance costs.



### BS 8580-1:2019 Water quality. Risk assessments for Legionella control (Published 2010, updated 2019)

BS 8580-1 acts as a code of practice with recommendations and guidance for assessing the risk of Legionnaire's disease associated with man-made water systems. Recently updated to ensure it aligns with HSG 274 among other Legionella guidance documents.



### BS 8580-2:2022 Water quality. Risk assessments for Pseudomonas aeruginosa and other waterborne pathogens (2022)

BS 8580-2 provides detailed guidance on assessing the risks posed by P. aeruginosa in healthcare settings, and the implications for duty holders, responsible persons and the Water Safety Group.

## DELABIE / Certification

### ECAU/EChAU classification for mixers:

There are 4 basic characteristics and the letters E A U have the following meaning:

- flow rate (E);
- sound (A - acoustics);
- endurance (U);
- withstanding stress of alternated pressure from the ceramic cartridges.

The C or Ch characteristics (like comfort, water savings and energy) correspond to the parameters of the products (dimensions, effort to control and water-saving system).

The C characteristic refers to the domestic sector whilst Ch refers to public and commercial places (Care homes, non-medicalised retirement homes...).

The modalities of the classification are specified here below:

		for mechanical mixers		for thermostatic mixers	
Flow E	Q lpm measured under 3 bar	E00	4 lpm ≤ Q < 6 lpm	4 lpm ≤ Q < 6 lpm	
		E0	9 lpm ≤ Q < 12 lpm	9 lpm ≤ Q < 12 lpm	
		E1	12 lpm ≤ Q < 16 lpm	12 lpm ≤ Q < 16 lpm	
		E2	16 lpm ≤ Q < 20 lpm	16 lpm ≤ Q < 20 lpm	
		E3	20 lpm ≤ Q < 25.2 lpm	20 lpm ≤ Q < 25 lpm	
		E4	Q < 25.2 lpm	Q < 25 lpm	
For bath controls, the minimum classification is E3					
Comfort C	Type	C1	Dimensions, effort to control	Dimensions, effort to control	
		C2	Water-saving system	Water-saving system	
		C3	Energy-saving system	Energy-saving system	
Comfort Ch	Type	Ch1	Dimensions	Dimensions	
		Ch2	Water-saving system	Water-saving system	
		Ch3	Energy-saving system	Energy-saving system	
Acoustics A	Lap dB (A)	A1	20dB (A) < Lap ≤ 30 dB (A)	20dB (A) < Lap ≤ 30 dB (A)	
		A2	15dB (A) < Lap ≤ 20 dB (A)	15dB (A) < Lap ≤ 20 dB (A)	
		A3	Lap ≤ 15 dB (A)	Lap ≤ 15 dB (A)	
Endurance U	Number of cycles	U3	Mobile shutter mechanism: 175,000 cycles Mobile spout: 200,000 cycles Shower-bath diverter: 80,000 cycles	Mobile shutter mechanism: 500,000 cycles Thermostatic cartridge: 50,000 cycles Mobile spout: 200,000 cycles Shower-bath diverter: 80,000 cycles	

## OTHER INTERNATIONAL CERTIFICATION

 www.europeanwaterlabel.eu					
European Water Label (EU)	TMV3 (UK)	WRAS (UK)	BELGAQUA (BE)	WATERMARK (AU)	KIWA (NL)
					
DIN-DVGW (DE)	GDV approval (DK)	PZH (PL)	ZNAK BUDOWLANY B (PL)	GA (HK)	WELS (HK)