

### WHAT IS THE NF MARK?

The NF Mark affixed on a product attests that the latter complies with the relevant standards and with complementary technical specifications requested by the market, where appropriate.

#### • SANITARY WATER CONTROLS

The characteristics are specified in the technical documents, prepared with the participation of the manufacturers, the distributors, the consumer associations, the laboratories and the public authorities, fixed by AFNOR Certification and monitored by the "Centre Scientifique et Technique du Bâtiment" (CSTB) (Scientific and Technical Building Centre). CSTB carries out tests on the products and the audits on the companies as part of this application.

### WHAT DOES THE NF MARK ACCORD?

#### > Sanitary water controls

The NF Mark - SANITARY TAPWARE certifies the compliance of products with the certification reference system approved by AFNOR Certification. In particular, this guarantees:

#### > For thermostatic mixers

- quality of the surface covering;
- interchangeability of valves;
- tightness before and after endurance test;
- intercommunication between cold water and hot water;
- flow rates appropriate to the application;
- behaviour when adjusted;
- adjustment precision;
- adjustment sensitivity;
- mixed water temperature stability depending upon:
  - flow rate variation;
  - pressure variation;
  - hot water temperature variation;
- accuracy;
- safety: cold water shut-off and efficiency of the limit stop;
- mechanical performances;
- wear resistance for the control devices;
- acoustic performances.

#### > For mechanical mixers

- quality of the surface covering;
- interchangeability of mixer taps;
- tightness before and after endurance test;
- intercommunication between cold water and hot water;
- flow rates appropriate to the application;
- use comfort depending on the sensitivity, the precision and the temperature constancy;
- mechanical performances;
- wear resistance for the control devices;
- acoustic performances.

### THE NF MARK IS TO BE FOUND ON WHAT PRODUCTS?

The NF Mark is affixed on the following products:

#### • SANITARY WATER CONTROLS

- single taps and mixer taps;
- mechanical mixer taps;
- thermostatic mixing valves;
- flow rate regulators;
- shower outlets for sanitary tapware;
- extractable handsprays for sink and washbasin mixer taps;
- shower hoses for sanitary tapware;
- waste fittings;
- automatic shut-off valves;
- stop valves mounted:
  - upstream from sanitary tapware;
  - on a WC flushing cistern;
  - to supply a washing machine;
- multiway selector;
- automatic diverter, Family H, type C;
- electronic opening and closing valve, and specifies the ratings for some of them.

#### ECAU/EChAU classification for mechanical mixers:

There are 4 basic characteristics and the letters E A U have the same meaning as for the other mixers (see table below). The letters C or Ch (comfort, water and energy savings) correspond to the specific parameters of the products (dimensions, effort to operate and water saving systems). The letter C refers to the domestic sector, whereas Ch refers to non-domestic (retirement homes, care homes, non-healthcare etc.).

|  |                         |            |  |
|--|-------------------------|------------|--|
| Flow rate<br><b>E</b>                    | Q lpm measured at 3 bar | <b>E00</b> | 4 lpm ≤ Q < 6 lpm  |
|  |                         | <b>E0</b>  | 9 lpm ≤ Q < 12 lpm   |
|  |                         | <b>E1</b>  | 12 lpm ≤ Q < 16 lpm  |
|  |                         | <b>E2</b>  | 16 lpm ≤ Q < 20 lpm  |
|  |                         | <b>E3</b>  | 20 lpm ≤ Q < 25.2 lpm  |
|  |                         | <b>E4</b>  | 25.2 lpm ≤ Q   |
| The minimum rating for bath mixers is E3 |                         |            |  |
| Comfort<br><b>C or Ch</b>                | Type                    | <b>C1</b>  | Dimensions, effort to operate  |
|  |                         | <b>C2</b>  | Water saving features  |
| Sound level<br><b>A</b>                  | Lap dB (A)              | <b>A1</b>  | 20 dB (A) < Lap ≤ 30 dB (A)  |
|  |                         | <b>A2</b>  | 15 dB (A) < Lap ≤ 20 dB (A)  |
|  |                         | <b>A3</b>  | Lap ≤ 15 dB (A)  |
| Wear characteristics<br><b>U</b>         | No. of cycles           | <b>U1</b>  | Movable obturation mechanism: 70,000 cycles<br>Mobile nozzle: 80,000 cycles<br>Bath-shower diverter: 30,000 cycles   |
|  |                         | <b>U2</b>  | Movable obturation mechanism: 122,500 cycles<br>Mobile nozzle: 140,000 cycles<br>Bath-shower diverter: 50,000 cycles |
|  |                         | <b>U3</b>  | Movable obturation mechanism: 175,000 cycles<br>Mobile nozzle: 200,000 cycles<br>Bath-shower diverter: 80,000 cycles |

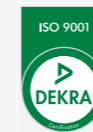


### WATER CONTROLS FOR THE MEDICAL SECTOR (FRENCH STANDARD NF 077)

There is now a specific document which defines the general and technical performance of water controls for the medical sector within the framework of the NF mark. This document, effective from 01/12/2016, applies mainly to mechanical mixers, thermostatic mixers and electronic controls. Water controls in the medical sector can be differentiated from conventional products by the following criteria:

- To ensure accessibility, the whole control lever must be accessible during washing;
- For single hole mixers and taps, the hot and cold water supply must be via copper tails or flexible hoses suitable for the type of application (PEX, silicone);
- For wall-mounted mechanical shower mixers, the control lever must not be horizontal and/or perpendicular to the wall to avoid any risk of harm or injury;
- The mixer outlet may not be fitted with a flow rate regulator with a filter;
- Mixing chambers under pressure are not permitted up stream of the valve closing point;
- To check the effect of age on the water controls due to the disinfection protocols undertaken on the internal water system, the water controls are subject to preventative and curative chemical disinfection treatments;
- The spouts are longer and higher for basin and sink controls, to allow terminal filters to be fitted without impacting user comfort;
- The control levers are longer to improve grip and ergonomics.

The majority of DELABIE's range of hospital controls conform to these criteria and will be certified NF Medical during 2017.



**ISO 9001 2008 certification:**  
by DEKRA.



**CE certification**  
for electronic taps and valves:  
directives 2014/30/UE  
and 2014/35/UE



**NF EN certification**  
French and European standards  
NF EN 816  
NF EN 817  
NF EN 1111



**ACS**  
"Attestation de Conformité Sanitaire."  
All DELABIE products comply with the French CPDW directive and the 29 May 1997 decree modified by the Ministry of Health DGS/SD7A2002 number 571 of 25 November 2002.



**Polish certification**



**HONG KONG certification**



**Australian and New Zealand certification**



**English certification**



**English certification**



**Belgian certification**



**Danish certification**

**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 is an independent third party approval scheme administered by BuildCert. The scheme certifies that Type 3 thermostatic mixing valves conform to performance requirements of the NHS specification D08 in Healthcare and Commercial applications in the UK. BuildCert also certifies Type 2 thermostatic mixing valves destined for use in domestic applications to ensure the safe use of hot water in domestic premises.

| Reference   | Product   | WRAS Certificate | Expiry Date | BuildCert Certificate | Expiry Date | Page |
|-------------|---|------------------|-------------|-----------------------|-------------|------|
| 20040.10P   | 10 x BIOFIL sterile spouts with integrated filter L138mm Ø22    | WRAS1611077      | 30/11/21    |                       |             | 27   |
| 20050A.10P  | 10 x BIOFIL sterile cartridge filter A, rain effect spray       | WRAS1611078      | 30/11/21    |                       |             | 28   |
| 20050P.10P  | 10 x BIOFIL sterile cartridge filter P, rain effect spray       | WRAS1611078      | 30/11/21    |                       |             | 28   |
| 20060.10P   | 10 x BIOFIL sterile shower head with integrated filter          | WRAS1611079      | 30/11/21    |                       |             | 29   |
| 20061.10P   | 10 x BIOFIL sterile threaded shower head with integrated filter | WRAS1611079      | 24/11/21    |                       |             | 29   |
| 2439        | *Securitouch mechanical shower mixer (while stock then 2739)    | WRAS1511019      | 30/11/20    |                       |             | -    |
| 2439EP      | *Securitouch EP shower mixer (while stock then 2739EP)          | WRAS1511019      | 30/11/20    |                       |             | -    |
| 2443        | Recessed mechanical shower mixer behind wall plate Ø116         | WRAS1511020      | 30/11/20    |                       |             | -    |
| 2446        | Wall mtd mechanical sink mixer swivel spout L200mm offset SP    | WRAS1512007      | 17/12/20    |                       |             | -    |
| 2446EP      | Wall mounted EP sink mixer swivel spout L200mm offset SP        | WRAS1801001      | 31/01/23    |                       |             | 71   |
| 2446EPS     | Wall mounted EP sink mixer swivel spout L200 offset std         | WRAS1801001      | 31/01/23    |                       |             | 71   |
| 2446L       | Wall mtd mech sink mixer swivel spt L200mm Hygiene lever SP     | WRAS1512007      | 17/12/20    |                       |             | 88   |
| 2446LEP     | Wall mtd EP mixer swivel spout L200 Hygiene lever offset SP     | WRAS1801001      | 31/01/23    |                       |             | 71   |
| 2446LEPS    | Wall mtd sink EP mixer swivel spout L200 lever offset std       | WRAS1801001      | 31/01/23    |                       |             | 71   |
| 2510        | Mechanical sink mixer swivel spout H150 L230mm sculpt lever     | WRAS1311046      | 30/11/18    |                       |             | 80   |
| 2510L       | Mechanical sink mixer swivel spout H150 L230mm Hygiene lever    | WRAS1311046      | 30/11/18    |                       |             | 80   |
| 2520        | Mechanical basin mixer H.85mm L.135mm + waste, sculpt lever     | WRAS1301026      | 31/01/18    |                       |             | 79   |
| 2520L       | Mechanical basin mixer H.85mm L.135mm + waste, Hygiene lever    | WRAS1301026      | 31/01/18    |                       |             | 79   |
| 2520T       | Mechanical basin mixer H.85mm L.135mm + waste, solid lever      | WRAS1301026      | 31/01/18    |                       |             | 79   |
| 2522L       | Mechanical basin mixer with swivel spout H95mm Hygiene lever    | WRAS1311046      | 30/11/18    |                       |             | 80   |
| 2522T       | Mechanical basin mixer with swivel spout H95mm, solid lever     | WRAS1311046      | 30/11/18    |                       |             | 80   |
| 2543        | Recessed waterproof shower mixer, kit 2/2 (+790BOX)             | WRAS1511020      | 30/11/20    |                       |             | 150  |
| 2564T1      | Mechanical mixer high swivel spout H160 L160mm Hygiene lever    | WRAS1311046      | 30/11/18    |                       |             | 83   |
| 2564T2      | Mechanical mixer high swivel spout H160 L250mm Hygiene lever    | WRAS1311046      | 30/11/18    |                       |             | 83   |
| 2564T3      | Mechanical mixer high swivel spout H300 L160mm Hygiene lever    | WRAS1311046      | 30/11/18    |                       |             | 83   |
| 2564T4      | Mechanical mixer high swivel spout H300 L250mm Hygiene lever    | WRAS1311046      | 30/11/18    |                       |             | 83   |
| 2621        | BIOSAFE mechanical basin mixer H95 no waste, solid lever        | WRAS1709056      | 08/09/22    |                       |             | 77   |
| 26216       | BIOSAFE mech basin mixer H95mm no waste, solid lever, copper    | WRAS1709056      | 08/09/22    |                       |             | 77   |
| 26216EP     | BIOSAFE EP basin mixer H95mm no waste, solid lever, copper      | WRAS1709055      | 08/09/22    |                       |             | 67   |
| 2621MINIEP  | BIOSAFE EP basin mixer H55mm no waste, solid lever              | WRAS1709055      | 08/09/22    |                       |             | 67   |
| 26216MINI   | BIOSAFE mech basin mixer H55mm no waste, solid lever, copper    | WRAS1709056      | 08/09/22    |                       |             | 77   |
| 26216MINIEP | BIOSAFE EP basin mixer H55mm no waste, solid lever, copper      | WRAS1709055      | 08/09/22    |                       |             | 67   |
| 2621EP      | BIOSAFE EP basin mixer H95 no waste, solid lever                | WRAS1709055      | 08/09/22    |                       |             | 67   |
| 2621MINI    | BIOSAFE mech basin mixer H55mm no waste, solid lever            | WRAS1709056      | 08/09/22    |                       |             | 77   |
| 2720L       | Mechanical basin mixer H.85mm L.120mm + waste, Hygiene lever    | WRAS1603021      | 31/03/21    |                       |             | 78   |
| 2720LEP     | EP basin mixer H.85mm L.120mm + waste, Hygiene lever            | WRAS1603020      | 31/03/21    |                       |             | 68   |
| 2720T       | Mechanical basin mixer H.85mm L.120mm + waste, solid lever      | WRAS1603021      | 31/03/21    |                       |             | 78   |
| 2720TEP     | EP basin mixer H.85mm L.120mm + waste, solid lever              | WRAS1603020      | 31/03/21    |                       |             | 68   |
| 2739        | Securitouch mech. sh. mix, sculpt lever bottom outlet, SP       | WRAS1511019      | 30/11/20    |                       |             | 146  |

| Reference  | Product   | WRAS Certificate | Expiry Date | BuildCert Certificate | Expiry Date | Page |
|------------|---|------------------|-------------|-----------------------|-------------|------|
| 2739EP     | SECURITHERM EP shower mixer, sculptured lever, offset SP      | WRAS1511019      | 30/11/20    |                       |             | 136  |
| 2820L      | BIOCLIP mechanical basin mixer H85mm + waste, Hygiene lever   | WRAS1603021      | 31/03/21    |                       |             | 78   |
| 2820LEP    | BIOCLIP EP basin mixer H85mm + waste, Hygiene lever           | WRAS1603020      | 31/03/21    |                       |             | 68   |
| 2820T      | BIOCLIP mechanical basin mixer H85mm + waste, solid lever     | WRAS1603021      | 31/03/21    |                       |             | 78   |
| 2820TEP    | BIOCLIP EP basin mixer H85mm + waste, solid lever             | WRAS1603020      | 31/03/21    |                       |             | 68   |
| 2870T1     | Mixer with BIOCLIP swivel spout H160 + 2 st steel spouts      | WRAS1311046      | 30/11/18    |                       |             | 82   |
| 2870T3     | Mixer with BIOCLIP swivel spout H300 + 2 st steel spouts      | WRAS1311046      | 30/11/18    |                       |             | 82   |
| 30040.10P  | 10 x BIOFIL spouts with integrated filter L.138mm Ø22         | WRAS1611077      | 30/11/21    |                       |             | 27   |
| 30050A.10P | 10 x BIOFIL non-sterile cartridge filter A rain effect spray  | WRAS1611078      | 30/11/21    |                       |             | 28   |
| 30050P.10P | 10 x BIOFIL non-sterile cartridge filter P rain effect spray  | WRAS1611078      | 30/11/21    |                       |             | 28   |
| 30060.10P  | 10 x BIOFIL shower head with integrated filter                | WRAS1611079      | 30/11/21    |                       |             | 29   |
| 30061.10P  | 10 x BIOFIL threaded shower head with integrated filter       | WRAS1611079      | 24/11/21    |                       |             | 29   |
| 378015     | BINOPTIC basin tap M¾" mains 230/12V + trans                  | WRAS1405016      | 31/05/19    |                       |             | 40   |
| 378MCH     | BINOPTIC MIX basin mixer M¾" mains 230/12V + trans            | WRAS1405016      | 31/05/19    |                       |             | 40   |
| 379D13     | BINOPTIC c-wall 190 basin tap M¾"spout L135 mains + trans     | WRAS1405015      | 31/05/19    |                       |             | 46   |
| 379DER     | BINOPTIC c-wall 190 basin tap M¾"spout L205 mains + trans     | WRAS1405015      | 31/05/19    |                       |             | 46   |
| 379ENC     | BINOPTIC rec basin tap M¾" spout L200 mains + trans           | WRAS1405015      | 31/05/19    |                       |             | 46   |
| 379MCH     | BINOPTIC MIX c-wall 110 basin mix M¾" mains 230/12V +trans    | WRAS1405015      | 31/05/19    |                       |             | 46   |
| 44000115   | TEMPOMATIC 4 basin tap M½" rec UK mains plug Ø15 stopcock     | WRAS1603070      | 31/03/21    |                       |             | 43   |
| 440006     | TEMPOMATIC 4 basin tap F¾" int. 6V battery + stopcock         | WRAS1603070      | 31/03/21    |                       |             | -    |
| 44000615   | TEMPOMATIC 4 basin tap M½" 6V battery 15mm + stopcock         | WRAS1603070      | 31/03/21    |                       |             | 42   |
| 443406     | TEMPOMATIC 4 wall mounted basin tap M½" 6V battery L125       | WRAS1603071      | 31/03/21    |                       |             | 47   |
| 443506     | TEMPOMATIC 4 wall mounted basin tap M½" 6V battery L190       | WRAS1603071      | 31/03/21    |                       |             | 47   |
| 49000115   | TEMPOMATIC MIX 4 basin M½" rec UK mains plug Ø15 stopcocks    | WRAS1603070      | 31/03/21    |                       |             | 43   |
| 490006     | TEMPOMATIC MIX 4 basin mixer F¾" 6V battery + stopcocks       | WRAS1603070      | 31/03/21    |                       |             | -    |
| 49000615   | TEMPOMATIC MIX 4 basin mix M½" 6V battery 15mm +stopcocks     | WRAS1603070      | 31/03/21    |                       |             | 42   |
| 709000     | Recessed vandal proof ROUND shower head M½"                   | WRAS1403018      | 31/03/19    |                       |             | 151  |
| 712000     | TONIC JET vandal proof recessed shower head M½"               | WRAS1403018      | 31/03/19    |                       |             | 151  |
| 732115     | PREMIX NANO thermostatic mixer Ø15mm nickel body              | WRAS1409058      | 30/09/19    | TMVBC1430             | 14/08/19    | 92   |
| 732116     | PREMIX NANO thermostatic mixer Ø15mm chromed body             | WRAS1409058      | 30/09/19    | TMVBC1430             | 14/08/19    | 92   |
| 734100     | TEMPOGENOU angled MM½" lever L350 ~7sec                       | WRAS1406034      | 31/06/19    |                       |             | 48   |
| 735400     | TEMPOGENOU inline MM½" lever L350 ~7sec                       | WRAS1406034      | 31/06/19    |                       |             | 48   |
| 735447     | TEMPOGENOU inline MM½", lever L350 ~7sec comp. fittings       | WRAS1406034      | 31/06/19    |                       |             | -    |
| H9600      | SECURITHERM thermostatic sequential basin mixer H85 L120      | WRAS1209110      | Renewal     | TMVBC1002             | Renewal     | 58   |
| H9600610   | SECURITHERM seq basin mixer H85 L120 lever L146 copper tails  | WRAS1209110      | Renewal     | TMVBC1002             | Renewal     | 58   |
| H9605      | SECURITHERM therm sequential BIOCLIP basin mixer H85 L120mm   | WRAS1209110      | Renewal     | TMVBC1002             | Renewal     | 58   |
| H9605610   | SECURITHERM seq BIOCLIP basin mix H85 L120 lever L146 copper  | WRAS1209110      | Renewal     | TMVBC1002             | Renewal     | 58   |
| H9611P     | SECURITHERM therm seq mixer st steel BIOCLIP spout inline SC  | WRAS1302012      | Renewal     | TMVBC1107             | Renewal     | 60   |
| H9614P     | SECURITHERM seq mixer st st BIOCLIP spout c-c 200 inline SC   | WRAS1302012      | Renewal     | -                     |             | 60   |
| H9630      | SECURITHERM therm seq shower mix bottom outlet, offset SC     | WRAS1410025      | 30/10/19    | TMVBC1363             | 08/05/19    | -    |
| H963015    | SECURITHERM therm seq shower mixer btm outlet inline SC, 15mm | WRAS1410025      | 30/10/19    | TMVBC1363             | 08/05/19    | 106  |
| H9632      | SECURITHERM seq recessed waterproof shower kit 2/2 (+790BOX)  | WRAS1512029      | 17/12/20    | TMVBC1824             | 14/12/21    | 109  |
| H9640      | SECURITHERM thermostatic seq shower top outlet offset SC      | WRAS1410025      | 30/10/19    | TMVBC1363             | 08/05/19    | -    |
| H964015    | SECURITHERM therm seq shower mixer top outlet inline SC, 15mm | WRAS1410025      | 30/10/19    | TMVBC1363             | 08/05/19    | 106  |
| H9741      | SECURITHERM thermostatic Securitouch shower mixer, offset SC  | WRAS1605050      | 31/05/21    |                       |             | -    |
| H9741TP    | SECURITHERM therm Securitouch shower mixer inline, SC TMV3    | WRAS1605050      | 31/05/21    | TMVBC1777             | 14/12/21    | 116  |