

# TEST CERTIFICATE

This certificate is a summary of the test and test reports as stated below:

**OVENTROP GMBH & CO. KPAUL-OVENTROP-STRABE 1**  
Germany  
D-59939 Olsberg  
Attn: Mr. Peter Schneiders

**FOR**

**Brand:** Oventrop  
**Test Standard :** BS EN 1111 : 1999; BS EN 248:2002; AS/NZS 4020:2005; SS 375:2001  
**Product Type :** Thermostatic Mixing Valve  
**Date Submitted :** 07 May 2018, 15 May 2018, 31 May 2013, 19 Oct 2012

| Product                                                                 | Tests                                  | Dimensional Measurement   | Leaktightness Characteristics | Mechanical Performance Under Pressure | Torsion Resistance         | Flow Rate | Hydraulic Characteristic  |                                |                       | Mechanical Endurance Characteristics Tests |                 |                                |                     | Salt Spray Test                                                                                                          | Metal Extraction  | Toxicity | DZR                  |                  |
|-------------------------------------------------------------------------|----------------------------------------|---------------------------|-------------------------------|---------------------------------------|----------------------------|-----------|---------------------------|--------------------------------|-----------------------|--------------------------------------------|-----------------|--------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------|----------|----------------------|------------------|
|                                                                         |                                        |                           |                               |                                       |                            |           | Sensitivity               | Safety with cold water failure | Temperature stability | Headwork                                   | Manual Diverter | Diverter with Automatic Return | Swivel Outlet       |                                                                                                                          |                   |          | Material Composition | De-zincification |
| Thermostatic Mixing Valve<br><br>Brand: Oventrop<br>Model: Brawa Mix 97 | Instructions<br><br>If done, Pass/Fail | Pass MM-85000065 51/1/HWC | Pass MM-85000065 51/1/HWC     | Pass MM-85000065 51/1/HWC             | Pass MM-850000 6551/1/ HWC | NA        | Pass MM-8500006551/1/ HWC | NA                             | NA                    | NA                                         | NA              | NA                             | NA                  | -                                                                                                                        | -                 | -        | NA                   |                  |
|                                                                         | If not done, reference                 | -                         | -                             | -                                     | -                          | NA        | -                         | NA                             | NA                    | NA                                         | NA              | NA                             | 7191046388-CHM12-EO | Pass MM-8500006551/ 2-1/T, MM-8500006551/ 2-2/T, MM-8500006551/ 2-3/T, 7191046388 -CHM13-A-LYP & 7191046388 -CHM13-B-LYP | Pass MM-34351/ RH | NA       |                      |                  |
|                                                                         |                                        | If not done, no reference | -                             | -                                     | -                          | -         | NA                        | -                              | NA                    | NA                                         | NA              | NA                             | NA                  | -                                                                                                                        | -                 | -        | NA                   |                  |

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