

|                                                                                                         |                                                                                                                           |                                                 |                                       |                                           |
|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------------|-------------------------------------------|
| <b>Document Title:</b><br>Preventive Maintenance Procedure<br>For Waters Actuator Tester<br>(735002844) |                                                                                                                           | <b>Engineering Change<br/>No.:</b><br>NA        | <b>Document #:</b><br>WAT-RW-SKI02034 | <b>Organization:</b><br>Kallang           |
| <b>Revision:</b> A                                                                                      |                                                                                                                           | <b>Document Owner:</b><br>Deduyo Joel Mamalateo | <b>Customer:</b><br>WATERS            | <b>Effective Date:</b><br>FlexQ – On File |
| <b>Applicable<br/>To:</b>                                                                               | <input type="checkbox"/> ALL CUSTOMER<br><input checked="" type="checkbox"/> PLS SPECIFY: 279000886; 186015001; 186015018 |                                                 |                                       |                                           |

| APPROVALS      |                              |                    |                 |
|----------------|------------------------------|--------------------|-----------------|
| NAME           | TITLE                        | DEPT NAME          | DATE            |
| Teo Boon Leong | Staff Engineer               | Quality            | FlexQ – On File |
| Niu Niu        | Senior Program Administrator | Program Management | FlexQ – On File |
| Wong Suie Tong | Senior Supervisor            | Production         | FlexQ – On File |
| Zhao Qiu Ping  | Engineer                     | Engineering        | FlexQ – On File |
|                |                              |                    |                 |

  

| REVIEW / APPROVAL BY CUSTOMER |       |           |      |
|-------------------------------|-------|-----------|------|
| NAME                          | TITLE | SIGNATURE | DATE |
| NA                            | NA    | NA        | NA   |
|                               |       |           |      |
|                               |       |           |      |
|                               |       |           |      |
|                               |       |           |      |

| REVISION HISTORY |     |                                                                                                                 |                       |                 |
|------------------|-----|-----------------------------------------------------------------------------------------------------------------|-----------------------|-----------------|
| REV.             | ECN | DESCRIPTION OF CHANGE                                                                                           | ORIGINATOR            | RELEASE DATE    |
| A                | NA  | 1. Initial Release. Customer document reference : 735002844 Rev. A<br>2. To use WAT-RW-SAG00008 as PM Checklist | Deduyo Joel Mamalateo | FlexQ – On File |
|                  |     |                                                                                                                 |                       |                 |

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**WATERS CORPORATION**  
**CALIBRATION / MAINTENANCE PROCEDURE**  
**COMPANY CONFIDENTIAL**

DOCUMENT NAME: **15KPSI ACTUATOR TESTER MAINTENANCE PROCEDURE**

DOCUMENT TYPE: ☐ CALIBRATION ☒ MAINTENANCE

TEST EQUIPMENT NAME: **15KPSI ACTUATOR TESTER**

TEST EQUIPMENT NUMBER: **TE82800**

DOCUMENT NUMBER: **735002844**

AUTHOR(S): **MATT BRULE**

DATE: **January 24, 2013**

REVISED BY:

DATE:

REVISION: **A**

VALID IF CURRENT EFFECTIVE REVISION AND STAMPED IN RED BY DOCUMENT CONTROL OR WITH SAP-GENERATED TIME & DATE STAMP.

## **EQUIPMENT REQUIRED**

| Quantity | Part Number | Description     |
|----------|-------------|-----------------|
| 2        |             | 5/16" wrench    |
| 1        |             | 1/4" box wrench |

## **DISPOSABLES REQUIRED**

| Quantity | Part Number | Description |
|----------|-------------|-------------|
|----------|-------------|-------------|

## **1. VISUAL INSPECTION / CLEANING**

- 1.1. Visually inspect all UUT interface fittings, replace if worn.
- 1.2. Inspect all UUT interface Cables and connectors, replace as necessary.

## **2. Verification**

- 2.1. Test a known good actuator per test procedure 735001029.

## **3. END OF PREVENTATIVE MAINTANENCE**

- 3.1. Fill out PREVENTATIVE MAINTANENCE sticker and place on Test System.

## FLEXQ - SIGNATURE MANIFEST

|                         |                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>DOCUMENT NUMBER:</b> | WAT-RW-SKI02034                                                                                                |
| <b>DOCUMENT TITLE:</b>  | Preventive Maintenance Procedure For Waters Actuator Tester (735002844)                                        |
| <b>NOTES:</b>           | 1. Initial Release. Customer document reference : 35002844 Rev. A<br>2. To use WAT-RW-SAG00008 as PM Checklist |

### Document Information

|                    |          |                           |                      |
|--------------------|----------|---------------------------|----------------------|
| <b>Revision:</b>   | A        | <b>Document Type:</b>     | Project Documents    |
| <b>Status:</b>     | Released | <b>Document Category:</b> | Equipment Management |
| <b>Department:</b> | N/A      | <b>Applicable for:</b>    | N/A                  |

|                         |     |
|-------------------------|-----|
| <b>Review Interval:</b> | N/A |
|-------------------------|-----|

|                        |                       |
|------------------------|-----------------------|
| <b>Originator:</b>     | JOEL MAMALATEO DEDUYO |
| <b>Document Owner:</b> | JOEL MAMALATEO DEDUYO |

### Approval Signatures

|                       |                                   |                                  |                       |
|-----------------------|-----------------------------------|----------------------------------|-----------------------|
| <b>Approval Date:</b> | 07.02.2013 05:36:59-PM (GMT +8:0) | <b>Release/Effectivity Date:</b> | 07.02.2013 (GMT +8:0) |
|-----------------------|-----------------------------------|----------------------------------|-----------------------|

| Originator            |                                                                                                                                                                                                                                                                |
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| Name                  | Digital Signature                                                                                                                                                                                                                                              |
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| Reviewer/Approver                                 |                                                                                                                                                                                                                                                              |
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| QIUPING ZHAO                                      | <div> <b>QIUPING ZHAO</b><br/>           Digitally signed in FlexQ.<br/>           Reason: Review and approve document<br/>           31.01.2013<br/>           05:27:44-PM (GMT +8:0) <b>FLEXQ</b><br/> <i>Copy of original digital signature.</i> </div>   |
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| YEE PING CHAN                                     | <div> <b>YEE PING CHAN</b><br/>           Digitally signed in FlexQ.<br/>           Reason: Review and Approve Document<br/>           01.02.2013<br/>           09:41:59-AM (GMT +8:0) <b>FLEXQ</b><br/> <i>Copy of original digital signature.</i> </div>  |
| BOON LEONG TEO                                    | <div> <b>BOON LEONG TEO</b><br/>           Digitally signed in FlexQ.<br/>           Reason: Review and Approve Document<br/>           31.01.2013<br/>           05:24:41-PM (GMT +8:0) <b>FLEXQ</b><br/> <i>Copy of original digital signature.</i> </div> |

| Observer(s) |          |
|-------------|----------|
| Name        | Feedback |
| N/A         | N/A      |

## Revision History

| Rev. | Description of Change                                                                                           | DC Workflow Number                |
|------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------|
|      | 1. Initial Release. Customer document reference : 735002844 Rev. A<br>2. To use WAT-RW-SAG00008 as PM Checklist | DC-RW027435                       |
| A    | Reason for Change                                                                                               | Release Date                      |
|      | Initial Release                                                                                                 | 07.02.2013 09:51:29-PM (GMT +8:0) |

## Notifications

| Approval Notification List |                       |
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## References Information

### Internal

| Number | Description | Location | Type | Originator | Hierarchy | Alert |
|--------|-------------|----------|------|------------|-----------|-------|
| N/A    | N/A         | N/A      | N/A  | N/A        | N/A       | N/A   |

### External

| Number | Description | Location | Type | Originator | Hierarchy | Alert |
|--------|-------------|----------|------|------------|-----------|-------|
| N/A    | N/A         | N/A      | N/A  | N/A        | N/A       | N/A   |