# AQUASPEC® FAUCETS

MODEL - Z83600 SERIES
BUBBLER

## TECHNICAL INFORMATION

**FLOW:** 1.0 GPM @ 80 PSI ADJUSTABLE
**MAXIMUM PRESSURE:** 125 PSI
**MAXIMUM TEMPERATURE:** 180º F

Z83600XL

**IMPORTANT THE WATER SUPPLY LINES MUST BE THOROUGHLY FLUSHED BEFORE INSTALLATION TO PREVENT FOREIGN MATTER AND DEBRIS FROM CLOGGING AND/OR DAMAGING INTERNAL COMPONENTS AND THEREBY PREVENTING THE FAUCET FROM FUNCTIONING PROPERLY**

**IMPORTANT THE FAUCET HAS AN INTEGRAL SHANK FILTER ASSEMBLY INSTALLED IN THE BODY UNDER THE METERING CARTRIDGE TO PREVENT FOREIGN MATTER AND DEBRIS FROM DAMAGING THE FAUCET. THE INTEGRAL FILTER MAY BE REMOVED TO BE BACK-FLUSHED AND CLEANED IF INSUFFICIENT FLOW IS DETECTED. THE INTEGRAL SHANK FILTER ASSEMBLY MUST BE RE-INSTALLED AFTER SERVICING TO ENSURE PROPER FUNCTIONING OF THE METERING CARTRIDGE.**

## * INSTALLATION INSTRUCTIONS

1. THE WATER SUPPLY LINE MUST BE THOROUGHLY FLUSHED BEFORE BUBBLER INSTALLATION.
2. REMOVE BUBBLER FROM CARTON AND PLACE GASKET (#11A) ON SHANK.
3. PLACE BUBBLER ON SINK, MOUNT LOCKWASHER (#11B) AND MOUNTING NUT (#11C) ONTO SHANK FROM UNDER SINK.
4. HAND TIGHTEN MOUNTING NUT (#11C). MAKE SURE BUBBLER IS CENTERED PROPERLY. DO NOT OVER TIGHTEN, YOU COULD DAMAGE THE FIXTURE.
5. ATTACH LAVATORY SUPPLY TO THE OUTLET OF BUBBLER WITH RISER NUT (#11D).
6. TURN SUPPLY WATER ON AND OPERATE THE BUBBLER WHILE CHECKING FOR LEAKS

*ZURN INDUSTRIES, LLC. ♦ COMMERCIAL BRASS OPERATION ♦ 5900 ELWIN BUCHANAN DRIVE ♦ SANFORD NC 27330*
*Phone: 1-800-997-3876 ♦ Fax: 919-775-3541 ♦ World Wide Web: www.zurn.com*
*In Canada: ZURN INDUSTRIES LIMITED ♦ 3544 Nashua Drive ♦ Mississauga, Ontario L4V1L2 ♦ Phone: 905-405-8272 Fax: 905-405-1292*



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# MAINTENANCE

1. YOUR ZURN AQUASPEC BUBBLER HAS A HIGHLY POLISHED NICKEL CHROME PLATED FINISH. CLEAN WITH SOAP AND WATER OR A MILD CLEANER WHICH IS SAFE FOR CHROME PLATING. DO NOT USE ACIDS OR TOILET BOWL CLEANER AS THEY WILL DAMAGE THE FINISH.

2. POPPET ASSEMBLY (#3) REMOVAL AND REPLACEMENT

   2.1. REMOVE COLORED INDEX BUTTON (#1C) FROM HANDLE (#1A)

   2.2. LOOSEN SET SCREW (#1B) IN HANDLE WITH 3/32" ALLEN WRENCH

   2.3. PULL UP ON HANDLE TO REMOVE FROM STEM (#2C) OF HANDLE NUT ASSEMBLY (#2)

   2.4. REMOVE HANDLE NUT ASSEMBLY (#2) USING 1-1/8" HEX 6-POINT SOCKET

   2.5. REMOVE POPPET ASSEMBLY (#3) BY LIFTING OUT OF BUBBLER BODY (#7). IT MAY BE NECESSARY TO OPEN THE SUPPLY STOP SLIGHTLY TO ALLOW WATER PRESSURE TO PUSH THE METERING CARTRIDGE UPWARD.

   2.6 INSPECT POPPET ASSEMBLY (#3) FOR WORN PARTS, DAMAGED PARTS AND ANY CONTAMINATION THAT MAY BE PREVENTING THE POPPET ASSEMBLY FROM MOVING FREELY OR SEATING. OTHER THAN CLEANING ANY TRAPPED DEBRIS, THERE ARE NO SERVICEABLE PARTS IN THE POPPET ASSEMBLY. CONTAMINATED OR DAMAGED POPPET ASSEMBLIES SHOULD BE REPLACED.

   2.7 REVERSE STEPS 1.1 THROUGH 1.5 FOR RE-ASSEMBLY. POPPET ASSEMBLY (#3) WILL SIT SLIGHTLY ABOVE BODY (#7) PRIOR TO MOUNTING OF HANDLE NUT ASSEMBLY. TIGHTEN CAP (#2F) WITH 1-1/8" HEX 6-POINT SOCKET UNTIL NO WATER IS LEAKING FROM UNDER THE HANDLE NUT ASSEMBLY WHEN THE BUBBLER IS RUNNING. HOLD DOWN HANDLE (#1) WHILE TIGHTENING SET SCREW (#1B) TO ENSURE PROPER SEATING

3. IT MAY BE NECESSARY TO REPLACE OR BACK FLUSH THE IN-LINE SHANK FILTER PERIODICALLY TO REMOVE COLLECTED SEDIMENT AND DEBRIS. THE IN-LINE SHANK FILTER (#6) MAY BE REMOVED USING A 1/4" ALLEN WRENCH.

# ADJUSTING THE FLOW ON ZURN BUBBLER

1. ROTATE FLOW CONTROL (#8) WITH 5/32 ALLEN WRENCH UNTIL THE DESIRED FLOW IS ACHIEVED

**Metering Faucet Trouble Shooting Guide**

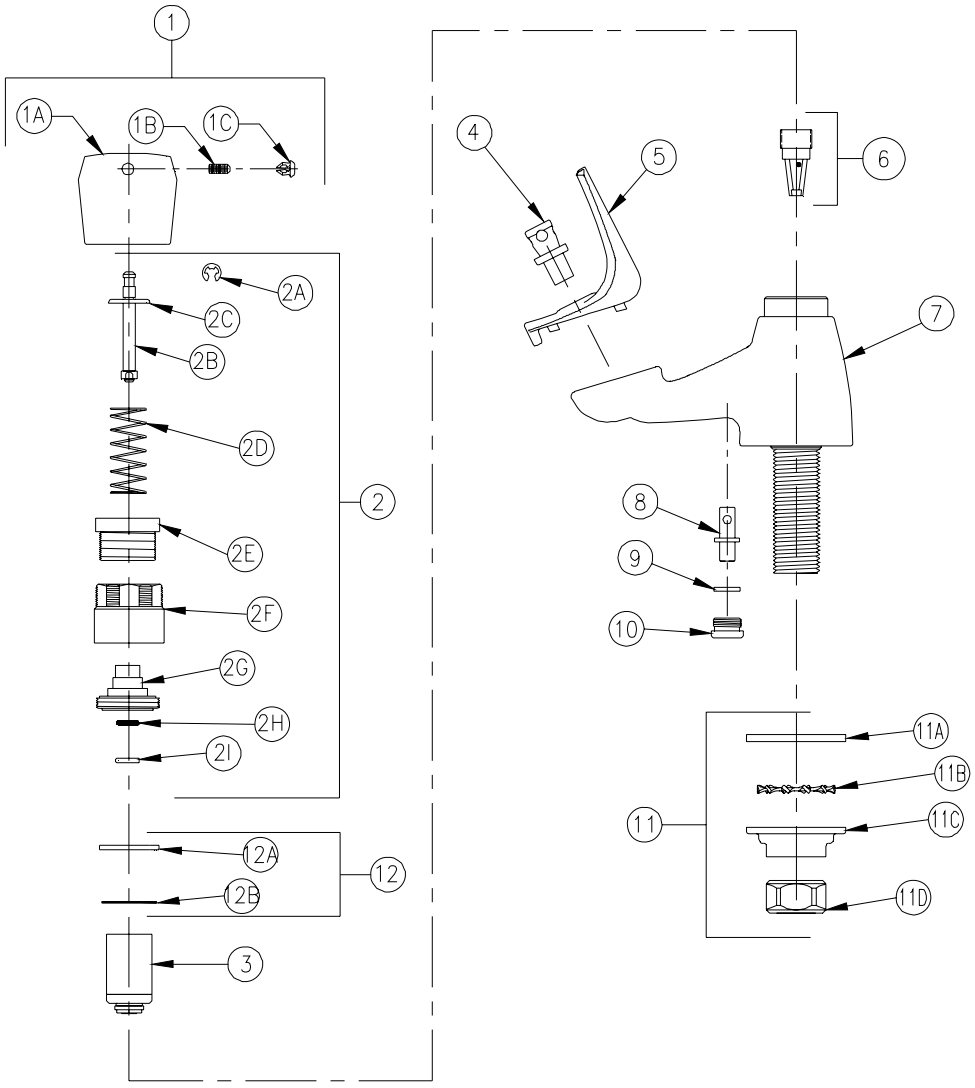
| Problem | Cause | Solution |
|---|---|---|
| No water is coming out bubbler & all supply stops are on. | Clogged filter assembly. | Shut off water. Remove filter assembly (#6) from lavatory supply stop and rinse debris from filter. Replace filter assembly and turn on water to bubbler. |
| Bubbler will not shut off. | Cartridge is damaged. | Replace metering cartridge G62682 |

# REPLACEMENT PARTS

| | |
|---|---|
| HANDLE NUT ASSEMBLY | G60561 |
| POPPET ASSEMBLY | G62682 |
| HANDLE ASSEMBLY | G60522 |
| FILTER ASSEMBLY | G67787 |



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Z83600 PICTURED

| Item | Part Number | Description | Qty. |
|---|---|---|---|
| 1 | G60522 | Metering Handle Assembly | 1 |
| 1A | 60601003 | Metering Handle | 1 |
| 1B | 62705001 | Set Screw | 1 |
| 1C | G60558 | MeteringIndexButtonsH,C,T | 1 |
| | 60460001 | Hot Index | 1 |
| | 60460002 | Cold Index | 1 |
| | 60460003 | Tempered Index | 1 |
| 2 | G60561 | Handle Nut Assembly | 1 |
| 2A | 60465001 | Retaining 'E' Ring | 1 |
| 2B | 60450001 | Spring Seat | 1 |
| 2C | 60451003 | Stem | 1 |
| 2D | 60447001 | Return Spring | 1 |
| 2E | 60446001 | Adjustment Nut | 1 |
| 2F | 60452001 | Cap | 1 |
| 2G | 60456001 | Stem Housing | 1 |
| 2H | 62499107 | O-Ring | 1 |
| 2I | 60458001 | O-Ring Retainer | 1 |

| Item | Part Number | Description | Qty. |
|---|---|---|---|
| 3 | G62682 | Poppet Assembly w/Sleeve | 1 |
| 4 | 92332001 | Bubbler Adapter | 1 |
| 5 | 92209001 | Flexible Mouth Guard | 1 |
| 6 | G67787 | Filter Assembly | 1 |
| 7 | 61697001 | Body | 1 |
| 8 | 92333002 | Flow Control | 1 |
| 9 | 62916001 | Gasket | 1 |
| 10 | 62915001 | Retainer Nut | 1 |
| 11 | G63367 | Mounting Hardware | 1 |
| 11A | 60549001 | Gasket | 1 |
| 11B | 61613019 | Lock Washer | 1 |
| 11C | 59530002 | Mounting Nut | 1 |
| 11D | 59532001 | 1/2" NPSM Riser Nut | 1 |
| 12 | G65503 | Cap Sealing Washer Ass'y. | 1 |
| 12A | 65431002 | Plastic Ring | 1 |
| 12B | 65432001 | O-Ring | 1 |



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# AquaSpec® Commercial Faucets Terms and Conditions

**Price and Terms of Payment**

Terms are net, payable 30 days from date of invoice. All pricing is in U.S. currency. The Buyer shall pay all sales, consumers, or other applicable taxes. A 1-1/2% per month service charge will be added to all past due invoices. Annual rate 18% of the outstanding balance due.

Minimum invoice $100.00. Zurn reserves the right to apply a minimum order charge to equal $100.00. All orders are subject to credit approval by the Zurn Credit Department prior to the acceptance of an order. Orders may be refused, delivery may be withheld, or shipment stopped in transit without any liability on Zurn's part if in its sole opinion, the Buyer's ability to pay for the merchandise or the terms and conditions herein are in doubt. The Credit Department of Zurn must be notified of potential pricing errors within 30 days of invoice date.

**Freight**

All sales are F.O.B. Zurn's plant. Zurn will allow full freight allowance only on Zurn AquaSpec® Commercial Faucet orders of $3,000 or more. This full freight allowance is when the shipment is within the continental United States and has a destiny of a Buyer's standard address of job location. Routing of shipment shall be determined at the sole discretion of Zurn. Multi product line orders totaling $7,500 can be combined to meet FFA guidelines. Shipping dates are estimates and time of delivery is not the essence of this sale of the contract therefore. Under no circumstances will Zurn have any responsibility on account of any delays in manufacture, transportation, or otherwise.

**Limited Warranty**

All goods sold hereunder are warranted to be free from defects in material and factory workmanship for a period of three years from the date of purchase. Zurn will replace goods at no cost that prove defective provided Zurn is notified in writing of such defect and the goods are returned to Zurn prepaid at Falconer, New York, with evidence that they have been properly maintained and used in accordance with instructions. ZURN SHALL NOT BE RESPONSIBLE FOR ANY LABOR CHARGES OR ANY LOSS, INJURY, OR DAMAGES WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES. The sole and exclusive remedy shall be limited to the replacement of the defective goods. Before installation and use, the purchaser shall determine the suitability of the product for his intended use and the purchaser assumes all risk and liability whatever in the connection therewith. Where permitted by law, THE IMPLIED WARRANTY OF MERCHANTABILITY IS LIMITED TO A PERIOD OF THREE YEARS AND SHALL BE LIMITED SOLELY TO THE REPLACEMENT OF THE DEFECTIVE GOODS. All weights stated in Zurn catalogs and lists are approximate and are not guaranteed.

**Illustrations of Typical Installations**

The typical installations for various products found in each product section are intended to illustrate the products and potential options for the use of these products. Under no circumstances are they to be construed as recommended installation procedures. Consult local codes and project specifications for proper installation instructions.

**Returned Goods**

Standard cataloged material may be returned only with written permission of Zurn. Returned goods are subject to a 25% restocking charge of total saleable material returned, plus cost of reconditioning, if necessary, to make material sellable. Transportation charges are the responsibility of the Buyer. Credit allowance will be in the form of merchandise credit only – not cash credit. The value of a return must total at least $100.00 to qualify for credit allowance. No credit will be allowed for parts unless originally ordered and invoiced as parts. No credit will be allowed for discontinued or made-to-order items. Items that have been specially made are not subject to return or cancellation except by special negotiation. Material must be returned within two years of invoice date for credit to be issued.

**Shortage/Damage Claims**

Notification of material shortages or incorrect filling of orders must be made to Zurn within 10 days of receipt. No claims over three months old will be honored. Buyer agrees to make all complaints for damage in transit or "short count" directly to the carrier; before the contents are unloaded have the carrier agent's acknowledgement of such damage noted on the bill of lading and to present to the carrier its agent's acknowledgement of such damaged material with formal claim covering said damage.

**General**

Zurn reserves the right to make changes in design or equipment of any item or product without incurring any obligation on previously sold items, and to discontinue items at any time, without notice. Possession of this Catalog or other sales literature is not to be construed as an offer to sell. All orders are subject to acceptance by the general office of Zurn in Falconer, New York.

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