AQUASPEC® FAUCETS

MODEL - Z83100-XL WIDESPREAD SERIES

TECHNICAL INFORMATION

FLOW: 2.2 GPM [8.3 L] PRESSURE COMPENSATING AERATOR *
MAXIMUM PRESSURE: 125 PSI
MAXIMUM TEMPERATURE: 180°F
HANDLE NUT TORQUE: 15-20 FT - LBS.
CARTRIDGE STYLE: QUARTER TURN CERAMIC DISK
** OTHER AERATORS AVAILABLE BY REQUEST*

Z831C4XLICT3F

INSTALLATION INSTRUCTIONS

Z83100 (SEE FIGURE 1)

1. PLACE GASKET (ITEM #3D) ONTO SHANK OF BASE (ITEM #4). PLACE BASE THROUGH CENTER HOLE OF SINK AND SECURE TO SINK USING WASHER (ITEM #3E), LOCKWASHER (ITEM #3F) AND FLANGED MOUNTING NUT (ITEM #3G).
2. REMOVE BODY (ITEMS #7, #8, & #9) FROM PACKAGING AND PLACE WASHER (ITEM #3C) ONTO END FITTINGS, SCREW NUTS ALL THE WAY DOWN ON THREADS.
3. PLACE BODY (ITEM #9) INTO SINK FROM UNDERSIDE AND PLACE WASHER (ITEM #3B) AND RETAINING RING (ITEM #3A) ONTO SHANKS ABOVE SINK TOP.
4. HAND TIGHTEN NUTS (ITEM #9A) TO SECURE ASSEMBLY TO SINK. **DO NOT OVERTIGHTEN.**
5. PLACE GASKET (ITEM #7A) BETWEEN TEE (ITEM #7D) & SHANK. SECURE TEE TO SHANK WITH NUT (ITEM #7C).
6. TIGHTEN ESCUTCHEONS (ITEM #1) ONTO CARTRIDGE CAP (ITEM #2) TO SECURE BODY TO SINK.
7. INSTALL SPOUT INTO BASE AND TIGHTEN NUT (SEE VIEWS FOR SWING/RIGID CONNECTION). SCREW HANDLES ONTO CARTRIDGE STEMS (ITEMS #5 AND #6) AND INSERT INDEX BUTTONS.
8. PROCEED TO “FINISHING INSTALLATION” ALL MODELS SECTION

Z83100-ICT (SEE FIGURE 2)

1. PLACE GASKET (ITEM #3D) ONTO SHANK OF BASE (ITEM #4). PLACE BASE THROUGH CENTER HOLE OF SINK AND SECURE TO SINK USING WASHER (ITEM #3E), LOCKWASHER (ITEM #3F) AND FLANGED MOUNTING NUT (ITEM #3G).
2. REMOVE BODY (ITEM #8) FROM PACKAGING AND PLACE WASHER (ITEM #3C) ONTO END FITTINGS, SCREW NUTS ALL THE WAY DOWN ON THREADS.
3. PLACE SHANK NUT (ITEM #3J) ONTO CENTER POST OF BODY (ITEM #8). PLACE FRICTION WASHER (ITEM #3i) INTO NUT (ITEM #3J). INSERT SHANK SEAL (ITEM #3H) AROUND CENTER POST WITH LARGE DIAMETER FIRST UNTIL SEAL BOTTOMS OUT.
4. PLACE BODY INTO SINK FROM UNDERSIDE AND PLACE WASHER (ITEM #3B) AND RETAINING RING (ITEM #3A) ONTO SHANKS ABOVE SINK TOP.
5. HAND TIGHTEN NUTS (ITEM #7A) TO SECURE ASSEMBLY TO SINK. **DO NOT OVERTIGHTEN.**
6. TIGHTEN ESCUTCHEONS (ITEM #1) ONTO CARTRIDGE CAP (ITEM #2) TO SECURE BODY TO SINK, ALSO TIGHTEN SHANK NUT (ITEM #3J) ONTO THREADS OF BASE (ITEM #4).
7. INSTALL SPOUT INTO BASE AND TIGHTEN NUT (SEE VIEWS FOR SWING/RIGID CONNECTION). SCREW HANDLES ONTO CARTRIDGE STEMS (ITEMS #5 AND #6) AND INSERT COLOR CODED INDEX BUTTONS.
8. PROCEED TO “FINISHING INSTALLATION” ALL MODELS SECTION

Z83103 (SEE FIGURE 3)

1. PLACE GASKET (ITEM #3D) ONTO SHANK OF BASE (ITEM #4). PLACE BASE THROUGH CENTER HOLE OF SINK AND SECURE TO SINK USING WASHER (ITEM #3E), LOCKWASHER (ITEM #3F) AND FLANGED MOUNTING NUT (ITEM #3G).
2. REMOVE BODY (ITEMS #7, #8, & #9) FROM PACKAGING, REMOVE CARTRIDGE CAP (ITEM #1) AND PLACE WASHER (ITEM #3C) ONTO END FITTINGS, SCREW NUTS ALL THE WAY DOWN ON THREADS.

3. PLACE BODY (ITEM #9) INTO SINK FROM UNDERSIDE AND PLACE WASHER (ITEM #3B) AND RETAINING RING (ITEM #3A) ONTO SHANKS ABOVE SINK TOP.

4. REASSEMBLE CARTRIDGE CAP (ITEM #1) TO BODY (ITEM #9).

5. HAND TIGHTEN NUTS (ITEM #9A) TO SECURE ASSEMBLY TO SINK. **DO NOT OVERTIGHTEN.**

6. PLACE GASKET (ITEM #7A) BETWEEN TEE (ITEM #7D) & SHANK. SECURE TEE TO SHANK WITH NUT (ITEM #7C).

7. TIGHTEN ESCUTCHEONS (ITEM #2) BODY (ITEM #9) TO SECURE BODY TO SINK.

8. INSTALL SPOUT INTO BASE AND TIGHTEN NUT (SEE VIEWS FOR SWING/RIGID CONNECTION). SCREW HANDLES ONTO CARTRIDGE STEMS (ITEMS #5 AND #6) AND INSERT INDEX BUTTONS.

9. PROCEED TO "FINISHING INSTALLATION" ALL MODELS SECTION

Z83100-HS (SEE FIGURE 4)

1. FULLY THREAD MOUNTING NUT (ITEM #7C) ONTO DIVERTER TEE (ITEM 6D). PLACE WASHER (ITEM #7B) AND FRICTION GASKET (ITEM #7A) ONTO DIVERTER TEE (ITEM #6D).

2. PLACE DIVERTER TEE (ITEM #6D) INTO SINK FROM UNDERSIDE AND THREAD ESCUTCHEON (ITEM #6A) ON SO THERE'S APPROXIMATELY 1" OF THREADS STICKING OUT ABOVE ESCUTCHEON (ITEM #6A).

3. REMOVE BODY ASSEMBLY (ITEM #9) FROM PACKAGING AND PLACE WASHER (ITEM #3C) ONTO END FITTINGS, SCREW NUTS ALL THE WAY DOWN ON THREADS.

4. PLACE BODY (ITEM #9) INTO SINK FROM UNDERSIDE AND PLACE WASHER (ITEM #3B) AND RETAINING RING (ITEM #3A) ONTO SHANKS ABOVE SINK TOP.

5. HAND TIGHTEN NUTS (ITEM #9A) TO SECURE ASSEMBLY TO SINK. **DO NOT OVERTIGHTEN.**

6. TIGHTEN ESCUTCHEONS (ITEM #1) ONTO CARTRIDGE CAP (ITEM #2) TO SECURE BODY TO SINK.

7. INSTALL SPOUT INTO DIVERTER TEE AND TIGHTEN NUT (SEE VIEWS FOR SWING/RIGID CONNECTION). SCREW HANDLES ONTO CARTRIDGE STEMS (ITEMS #4 AND #5) AND INSERT INDEX BUTTONS.

8. BACK OFF ESCUTCHEON (ITEM #6A) UNTIL SNUG AGAINST SPOUT NUT. TIGHTEN MOUNTING NUT (ITEM #7C) TO SECURE DIVERTER TEE ASSEMBLY (ITEM #6) ON SINK.

9. REMOVE HOSE SPRAY ASSEMBLY (ITEM #11) FROM PACKING. INSERT LOOSE WASHER INTO END OF HOSE. ASSEMBLE HOSE AND SPRAY ESCUTCHEON (ITEM #11A) ONTO SINK. INSERT HOSE AND SPRAY (ITEM #11B) THROUGH ESCUTCHEON (ITEM #11A) FROM TOP OF SINK AND ATTACH TO DIVERTER TEE (ITEM #6D).

10. PROCEED TO "FINISHING INSTALLATION" ALL MODELS SECTION

"FINISHING INSTALLATION" ALL MODELS

1. ATTACH LAVATORY SUPPLIES TO FAUCET USING COUPLING NUT (ITEM #10).

2. OPTIONAL - POP-UP (-P) / GRID STRAINER (-G) / HANDICAP OFFSET GRID DRAIN (-GH) *(NOT AN OPTION FOR Z80000-HS)* INSTALL POP-UP OR GRID STRAINER IN SINK OUTLET AND PLUMB WASTE CONNECTION.

3. INSTALL AERATOR ONTO SPOUT END AND HAND TIGHTEN. IT MAY BE NECESSARY TO UNSCREW AND CLEAN AERATOR AT START-UP.

4. TURN WATER SUPPLY ON AND OPERATE FAUCET CHECKING FOR LEAKS.

5. IT MAY BE NECESSARY TO SHUT WATER OFF AND REMOVE CARTRIDGES TO CLEAN SUPPLY LINES. CARTRIDGES CAN BE REMOVED BY FIRST REMOVING THE HANDLES. COLOR INDEXES CAN BE REMOVED BY INSERTING A PIN INTO THE HOLE ON THE UNDERSIDE OF THE HANDLE. AFTER THE HANDLES HAVE BEEN REMOVED, UNSCREW ECUTCHEONS (ITEM #1) AND REMOVE THE CARTRIDGE CAPS (ITEM #2). PULL UP ON THE CARTRIDGE.

6. REPLACE CARTRIDGES IN BODY AND HAND TIGHTEN CARTRIDGE CAPS. PLACE HANDLES ON THE CARTRIDGE STEM AND LOCATE THEM AS DESIRED. TIGHTEN CARTRIDGE CAPS.

7. REPLACE HANDLE SCREWS AND COLOR INDEX BUTTONS.

MAINTENANCE

1. YOUR ZURN AQUASPEC FAUCET 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. AQUASPEC FAUCETS CONTAIN CERAMIC DISK CARTRIDGES WHICH REQUIRE NO MAINTENANCE. TO REMOVE THE CARTRIDGE, SHUT THE WATER OFF, LOOSEN THE HANDLE NUTS AND PULL UP ON THE CARTRIDGE.

REPLACEMENT PARTS

COLD WATER CARTRIDGE	59517007
HOT WATER CARTRIDGE	59517008
INDEX BUTTONS	G60500

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FIGURE 1

Z831A1-XL PICTURED

Item	Part Number	Description	Qty.
1	60078001	Escutcheon	2
2	60077001	Cartridge Cap	2
3	G61859	Mounting Hardware	1
3A	60383002	Retaining Ring	2
3B	60382001	Washer	2
3C	60444001	Washer	2
3D	60148002	Gasket	2
3E	65340001	Washer	1
3F	61613019	Toothed Lockwasher	1
3G	59530003	Flanged Mounting Nut	1
4	G67871	Base	1
5	59517007	Long Cold Cartridge	1
6	59517008	Long Hot Cartridge	1
7	G67898	Tee Assembly	1
7A	60455001	Gasket	1
7B	63982001	Retaining Ring	1
7C	60145002	Shank Nut	1
7D	61283005	Tee	1
8	93317332	S. S. Flexible Hose	2
9	93039001	Valve Body Assembly	2
9A	60445001	Nut	2
10	59532001	1/2" NPSM Riser Nut	2

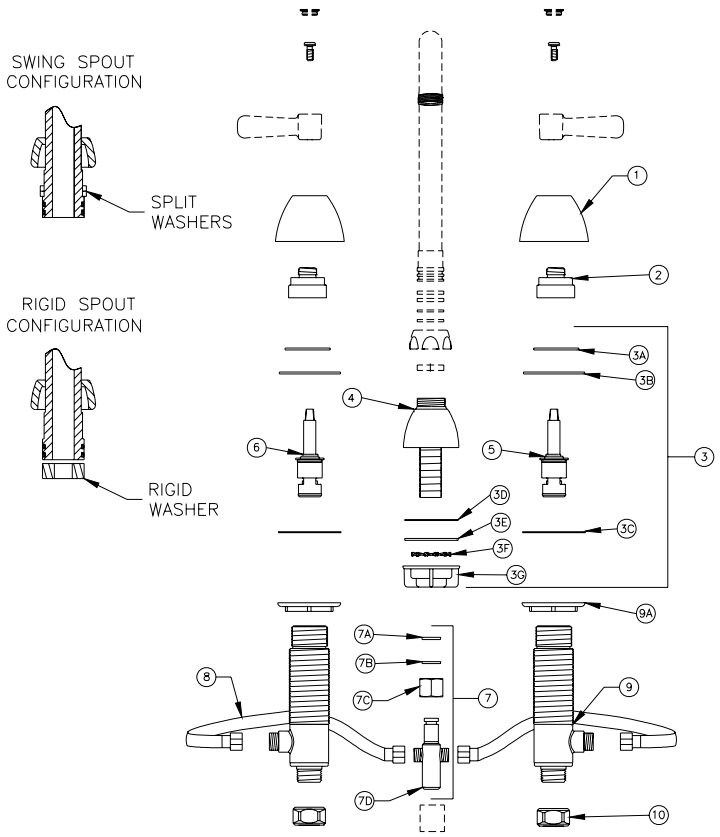
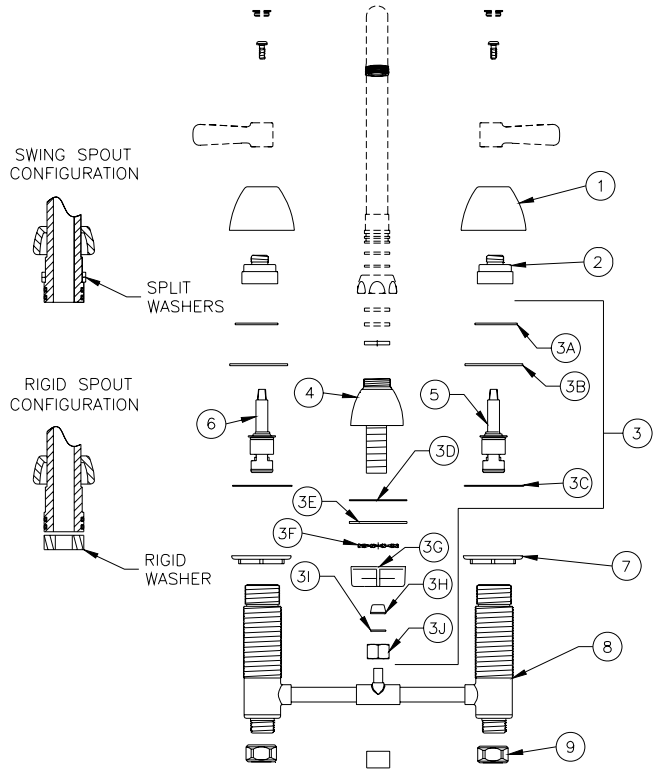


FIGURE 2

Z831A1-XL-ICT PICTURED

Item	Part Number	Description	Qty
1	60078001	Escutcheon	2
2	60077001	Cartridge Cap	2
3	G61080	Mounting Hardware	1
3A	60383002	Retaining Ring	2
3B	60382001	Washer	2
3C	60444001	Washer	2
3D	60148002	Gasket	1
3E	65340001	Washer	1
3F	61613019	Lockwasher	1
3G	59530003	Flanged Mounting Nut	1
3H	60144001	Shank Seal	1
3I	60399001	Friction Washer	1
3J	60145001	Shank Nut	1
4	G67871	Base Ass'y.	1
5	59517007	Long Cold Cartridge	1
6	59517008	Long Hot Cartridge	1
7	60445001	Nut	2
8	G67911	Valve Body Ass'y.	1
9	59532001	1/2" NPSM Riser Nut	2



Form # CF1197 Date: 11/18/09
C.N. No. 125521 Rev. A

FIGURE 3

Z831A3-XL PICTURED

Item	Part Number	Description	Qty.
1	60077001	Cartridge Cap	2
2	60078001	Escutcheon	2
3	G61859	Mounting Hardware	1
3A	60383002	Retaining Ring	2
3B	60382001	Washer	2
3C	60444001	Washer	2
3D	60148002	Gasket	2
3E	65340001	Washer	1
3F	61613019	Toothed Lockwasher	1
3G	59530003	Flanged Mounting Nut	1
4	G67871	Base	1
5	59517005	Long Cold Cartridge	1
6	59517006	Long Hot Cartridge	1
7	G67898	Tee Assembly	1
7A	60455001	Gasket	1
7B	63982001	Retaining Ring	1
7C	60145002	Shank Nut	1
7D	61283005	Tee	1
8	93317332	S. S. Flexible Hose	2
9	93039001	Valve Body Assembly	2
9A	60445001	Nut	2
10	59532001	1/2" NPSM Riser Nut	2

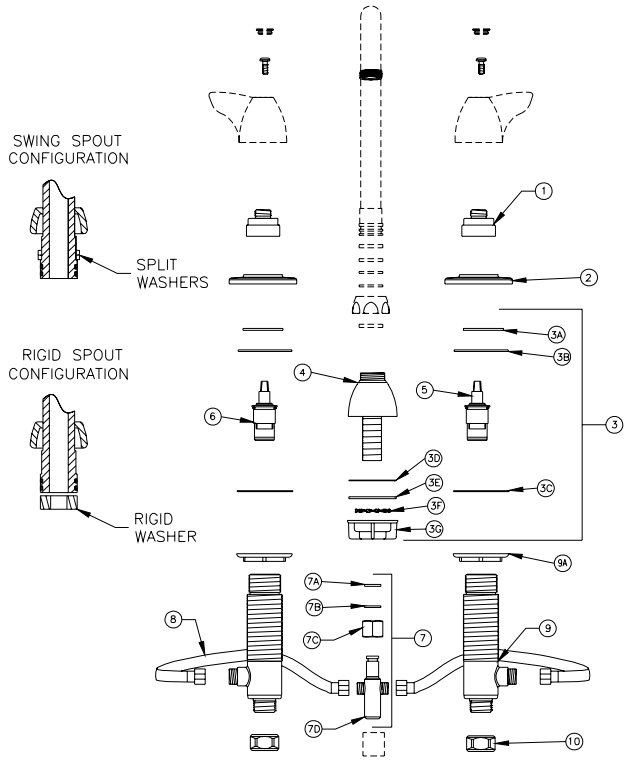
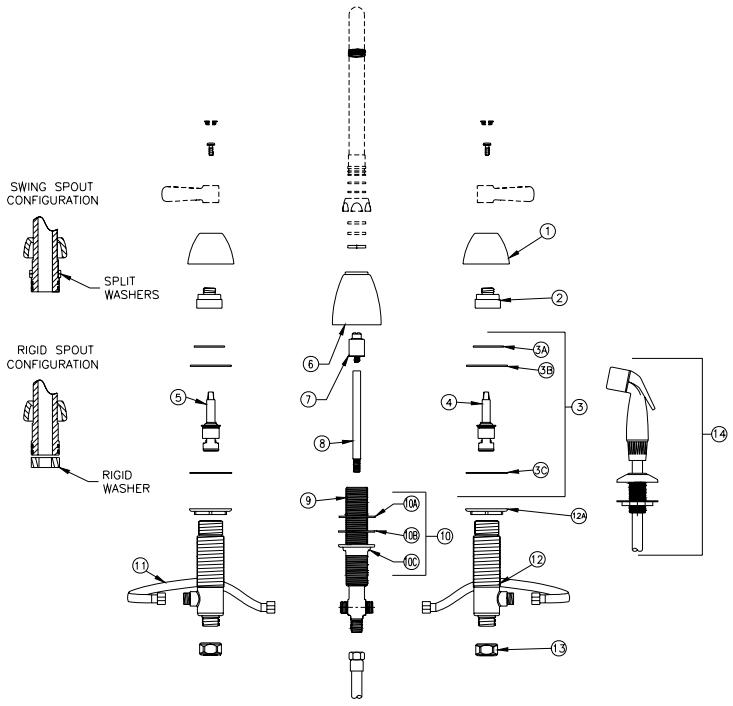


FIGURE 4

Z831A1-XL-HS PICTURED

Item	Part Number	Description	Qty.
1	60078001	Escutcheon	2
2	60077001	Cartridge Cap	2
3	G61859	Mounting Hardware	1
3A	60383002	Retaining Ring	2
3B	60382002	Stainless Steel Washer	2
3C	60444001	Brass Washer	2
4	59517007	Long Cold Cartridge	1
5	59517008	Long Hot Cartridge	1
6	60082001	Threaded Escutcheon	1
7	93217001	Diverter	1
8	60457002	Diverter Extension Rod	1
9	61268004	Diverter Tee	1
10	G61073	Mounting Hardware	1
10A	60549002	Friction Gasket	1
10B	60444002	Washer	1
10C	60445002	Mounting Nut	1
11	93317332	Flexible Hose	2
12	93039001	Single Body Assembly	2
12A	60445001	Nut	2
13	59532001	1/2” NPSM Riser Nut	2
14	G67905	Hose Spray Assembly	1



Form # CF1197 Date: 11/18/09
C.N. No. 125521 Rev. A

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.

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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.

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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

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