model AX17

Freeze-Protected Emergency Shower and Eye Wash Retrofit Kit | Haws AXION® MSR

FEATURES & BENEFITS

SHOWERHEAD

AXION® MSR ABS plastic drench showerhead uses a hydrodynamic design to give equal distribution of water throughout the entire footprint of flow.

EYE/FACE WASH

AXION® MSR eye/face wash head uses an inverted directional laminar flow to sweep contaminants away from the vulnerable nasal cavity. Connection plumbing is designed not to trap water during self draining.

OPTIONS

For more information, visit www.hawsco.com or call (888) 640-4297.



SPECIFICATIONS

Model AX17 Freeze Proof AXION® eye/face wash system features the AXION® MSR eye/face wash and showerhead in configurations that allow for self-draining after use, stainless steel connecting hardware, ANSI eyewash gauge, tape measure, complete installation instructions and ANSI compliance information. The AXION Advantage system is ANSI compliant when installed correctly based on manufacturer guidelines and when tested against the ANSI/ISEA Z358.1 checklist included with the product. The materials provided offer complete ANSI compliance tools and instructions. At the current time, ANSI does not regulate product brands, models, or the interchange of product components.

APPLICATIONS

Perfect for installed self-draining emergency equipment that might be outdated, under-performing, or potentially out of compliance with the current ANSI/ISEA Z358.1 standard. Specifically, this system can replace eyewash heads that flow too low or high, unevenly, or uncomfortably, and a showerhead that flows unevenly or excessively. The user will be assured their equipment will comply with ANSI emergency protocol using the best performing eye/face wash and shower head on the market.

DISCLAIMER: Continued product improvements make specifications subject to change without notice. Check www.hawsco.com for the latest product information and updates.

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INITIAL STEPS

1. REMOVE THE EXISTING EYEWASH OR SPRAY HEAD; FIND A SUITABLE CONNECTION FOR INSTALLING THE AXION HEAD.
   - THIS KIT CAN ACCOMMODATE THE EXISTING MODEL CONNECTION TYPES LISTED IN THE TABLE BELOW.

EXISTING CONNECTION TYPE	TYPICAL USES	SEE SHEET...
1/4" NPSM MALE EYEWASH *(~1/2" OUTSIDE DIAMETER)*	HAWS FREEZE RESISTANT EYEWASH OR EYE/FACE WASH	2 OF 6
3/8" NPSM EYEWASH *(MALE ~11/16" OD FEMALE ~5/8" ID)*	ACORN CABLE TRACED FREEZE RESISTANT COMBINATION SHOWER/EYEWASH BRADLEY WALL MOUNT FREEZE RESISTANT COMBINATION SHOWER/EYEWASH GAURDIAN FREEZE RESISTANT EYEWASHES AND COMBINATION SHOWER/EYEWASH	3 OF 6
1/2" NPSM EYEWASH *(MALE ~13/16" OD FEMALE ~3/4" ID)*	ACORN FREEZE RESISTANT PEDESTAL AND WALL MOUNT EYEWASHES ENCON CABLE TRACED FREEZE RESISTANT COMBINATION SHOWER/EYEWASH	4 OF 6
1" NPT MALE OVERHEAD SHOWER *(~1 5/16" OUTSIDE DIAMETER)*	OVERHEAD SHOWERS WITH 1" MALE NPT CONNECTION	5 OF 6

2. CONSULT THE SHEET INDICATED IN THE TABLE.
   - ENSURE THAT THE AXION HEAD WILL DIMENSIONALLY COMPLY WITH ANY APPLICABLE REQUIREMENTS (E.G., ANSI & ADA).
   - IF NECESSARY, ENSURE THAT THE AREA BENEATH THE HEAD IS SUFFICIENT TO CAPTURE ANY WATER EMITTED (REQUIRED AREA DEPENDS UPON INSTALLATION, BUT A 5.5" [140mm] RADIUS FROM THE CENTER OF THE HEAD IS RECOMMENDED).
   - EYE/FACE WASH STREAM HEIGHT IS DEPENDENT UPON INSTALLATION.

3. SEE THE FINAL SHEET FOR AXION FLOW CONTROL CLEANING INSTRUCTIONS.

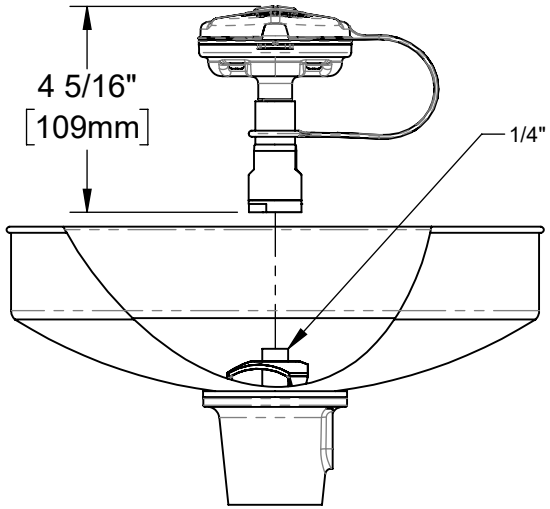
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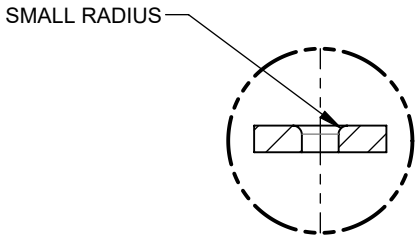
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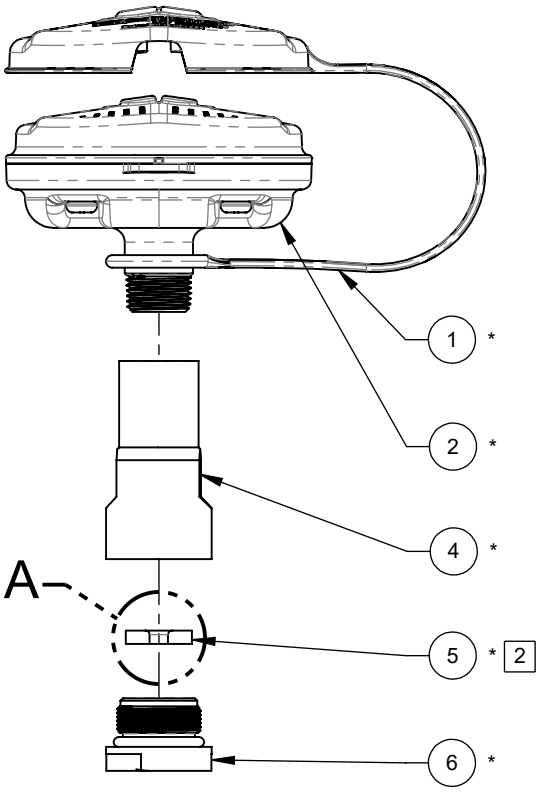
RETROFIT TO 1/4" NPSM MALE CONNECTIONS



TYPICAL HAWS EYEWASH



2 DETAIL A



NOTES

* NOTE CORRESPONDING NUMBERS ON PARTS BREAKDOWN DRAWING.

INSTALLATION INSTRUCTIONS

1. FLUSH SYSTEM TO REMOVE LINE DEBRIS PRIOR TO INSTALLING AXION HEAD.
2. ASSEMBLE ITEMS 4, 5, AND 6 (ADAPTER BODY, FLOW CONTROL, AND 1/4" NPSM BUSHING). MAKE SURE THE SMALL RADIUS ON THE FLOW CONTROL (ITEM 5) FACES UPWARDS TOWARDS THE OUTLET AS SHOWN.
3. INSERT AXION SHANK THROUGH DUST COVER LOOP BEFORE CONNECTING AXION HEAD.
4. AXION HEAD IS ABS PLASTIC AND METALLIC FITTINGS ARE CHROME-PLATED. USE SUITABLE SEALANT(S) ON THREADS.
   - TAKE CARE NOT TO CROSS THREAD THE AXION HEAD DURING INSTALLATION.
5. ORIENT TAB ON AXION HEAD TOWARDS BACK OF UNIT. DO NOT OVERTIGHTEN AXION HEAD THREADS.
6. FULLY TEST UNIT AND CHECK FOR ANSI COMPLIANCE USING ENCLOSED CHECKLIST AFTER UPGRADE IS COMPLETE.

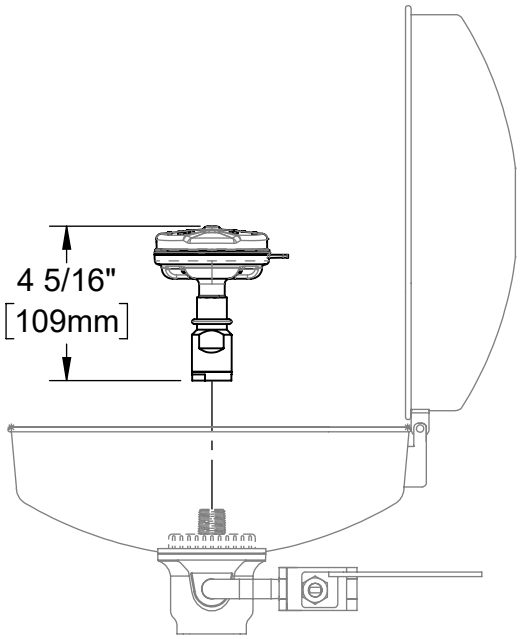
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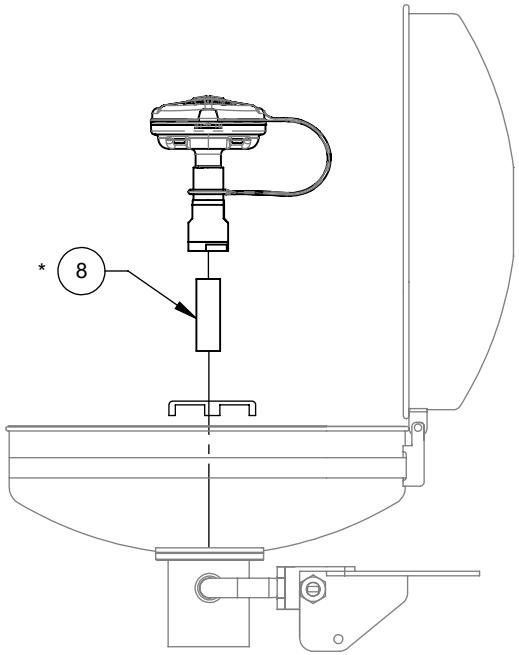
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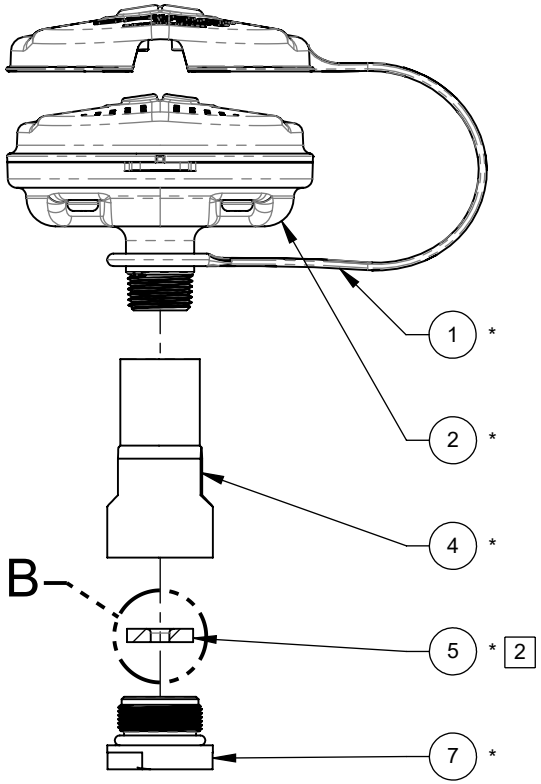
RETROFIT TO 3/8" NPSM MALE AND FEMALE CONNECTIONS

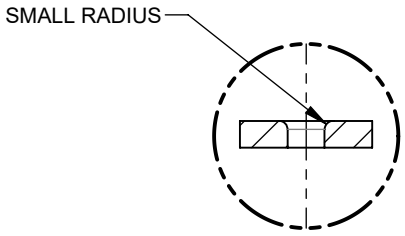


TYPICAL CONNECTION
TO 3/8" MALE NPSM



TYPICAL CONNECTION
TO 3/8" FEMALE NPSM





2 DETAIL B

NOTES

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INSTALLATION INSTRUCTIONS

1. FLUSH SYSTEM TO REMOVE LINE DEBRIS PRIOR TO INSTALLING AXION HEAD.
2. ASSEMBLE ITEMS 4, 5, AND 7 (ADAPTER BODY, FLOW CONTROL, AND 3/8" NPSM BUSHING). MAKE SURE THE SMALL RADIUS ON THE FLOW CONTROL (ITEM 5) FACES UPWARDS TOWARDS THE OUTLET AS SHOWN.
3. INSERT AXION SHANK THROUGH DUST COVER LOOP BEFORE CONNECTING AXION HEAD.
4. AXION HEAD IS ABS PLASTIC AND METALLIC FITTINGS ARE CHROME-PLATED. USE SUITABLE SEALANT(S) ON THREADS.
   - TAKE CARE NOT TO CROSS THREAD THE AXION HEAD DURING INSTALLATION.
5. ORIENT TAB ON AXION HEAD TOWARDS BACK OF UNIT. DO NOT OVERTIGHTEN AXION HEAD THREADS.
6. FULLY TEST UNIT AND CHECK FOR ANSI COMPLIANCE USING ENCLOSED CHECKLIST AFTER UPGRADE IS COMPLETE.

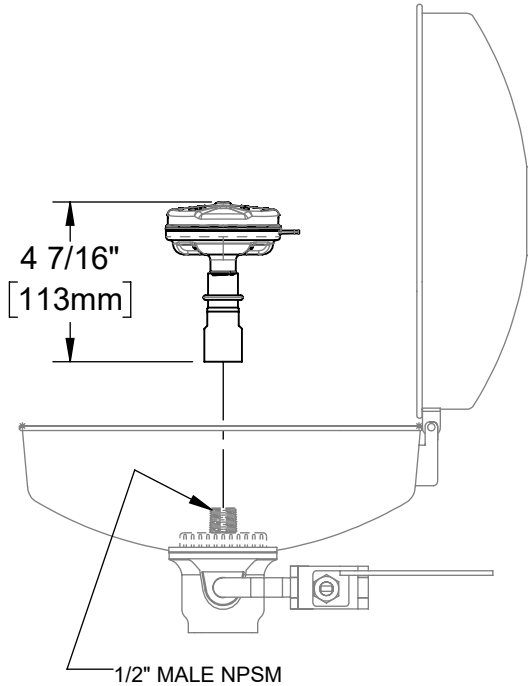
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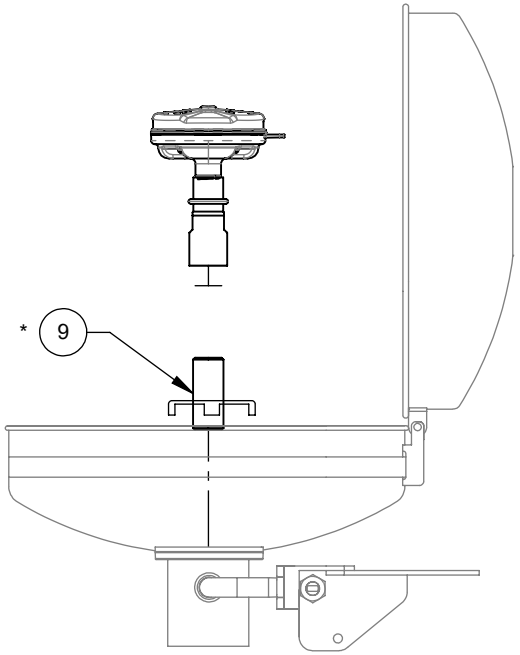
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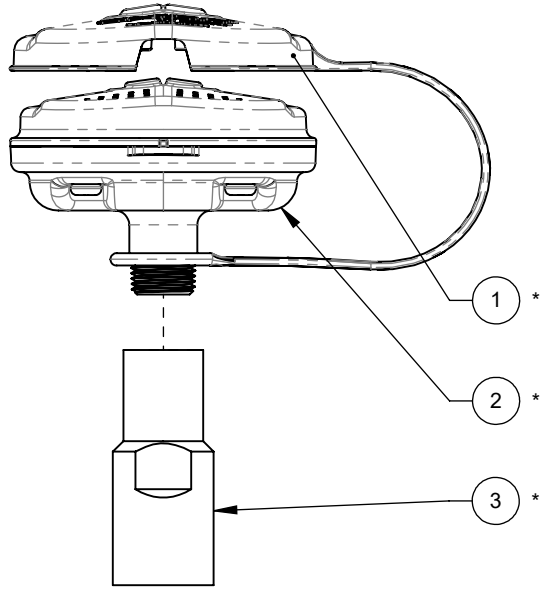
RETROFIT TO 1/2" NPSM MALE AND FEMALE CONNECTIONS



1/2" MALE NPSM CONNECTION



1/2" FEMALE NPSM CONNECTION



NOTES

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INSTALLATION INSTRUCTIONS

1. FLUSH SYSTEM TO REMOVE LINE DEBRIS PRIOR TO INSTALLING AXION HEAD.
2. INSERT AXION SHANK THROUGH DUST COVER LOOP BEFORE CONNECTING AXION HEAD.
3. AXION HEAD IS ABS PLASTIC AND METALLIC FITTINGS ARE CHROME-PLATED. USE SUITABLE SEALANT(S) ON THREADS.
   - TAKE CARE NOT TO CROSS THREAD THE AXION HEAD DURING INSTALLATION.
4. ORIENT TAB ON AXION HEAD TOWARDS BACK OF UNIT. DO NOT OVERTIGHTEN AXION HEAD THREADS.
5. FULLY TEST UNIT AND CHECK FOR ANSI COMPLIANCE USING ENCLOSED CHECKLIST AFTER UPGRADE IS COMPLETE.

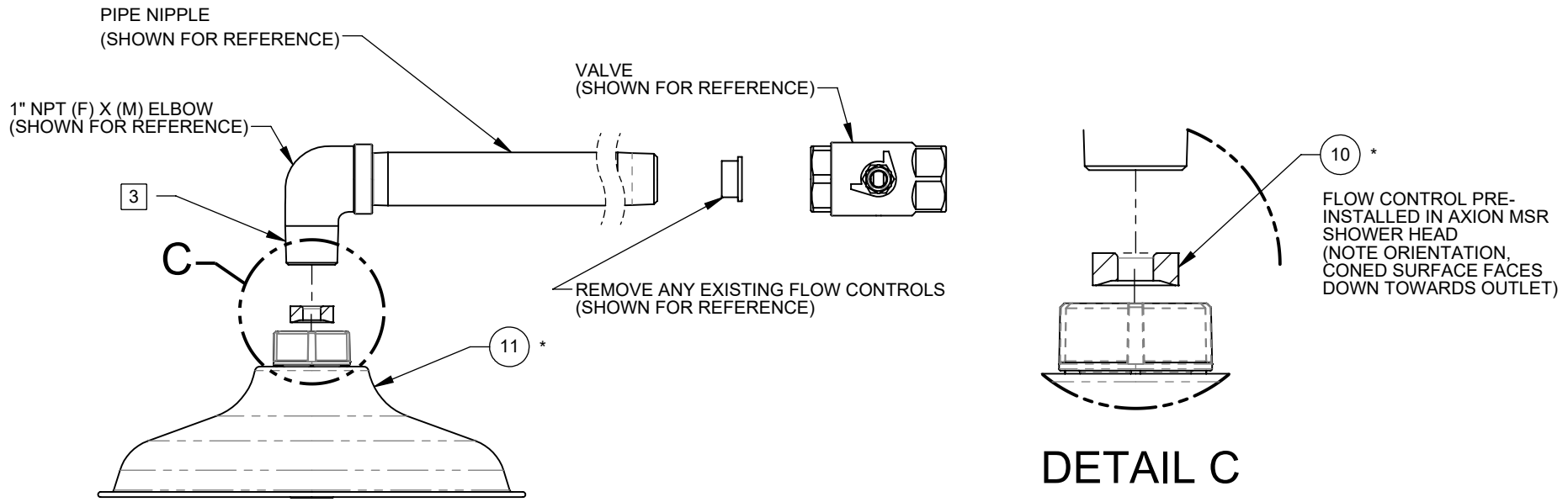
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INSTALLATION INSTRUCTIONS

1. FLUSH SYSTEM TO REMOVE LINE DEBRIS PRIOR TO INSTALLING AXION SHOWER HEAD.
2. TO COMPLY WITH ANSI Z358.1-2014 FOR EMERGENCY EYEWASH OR EYE/FACE WASH AND SHOWER EQUIPMENT:
   - UNIT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ACCEPTABLE PLUMBING PRACTICES
   - SHOWER SHALL BE POSITIONED SO THAT SHOWER HEAD IS NOT LESS THAN 208.3 CM (82 IN.) NOR MORE THAN 243.8 CM (96 IN.) FROM SURFACE ON WHICH USER STANDS.
   - SHOWER SPRAY PATTERN SHALL HAVE A MINIMUM DIAMETER OF 50.8 CM (20 IN.) AT 152.4 CM (60 IN.) ABOVE SURFACE ON WHICH USER STANDS, AND CENTER OF SPRAY PATTERN SHALL BE LOCATED AT LEAST 40.6 CM (16 IN.) FROM ANY OBSTRUCTION.

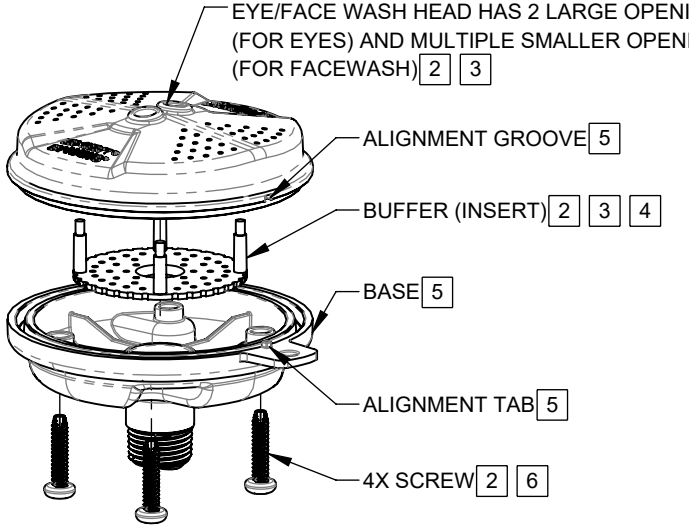
3 DO NOT USE REGULAR PIPE SEALANT. IF NECESSARY USE DOW CORNING 832 SEALANT, PLACING 5 SMALL BEADS ON THE MALE THREADS, JUST ABOVE THE FIRST THREAD.

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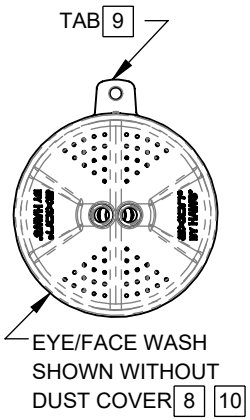
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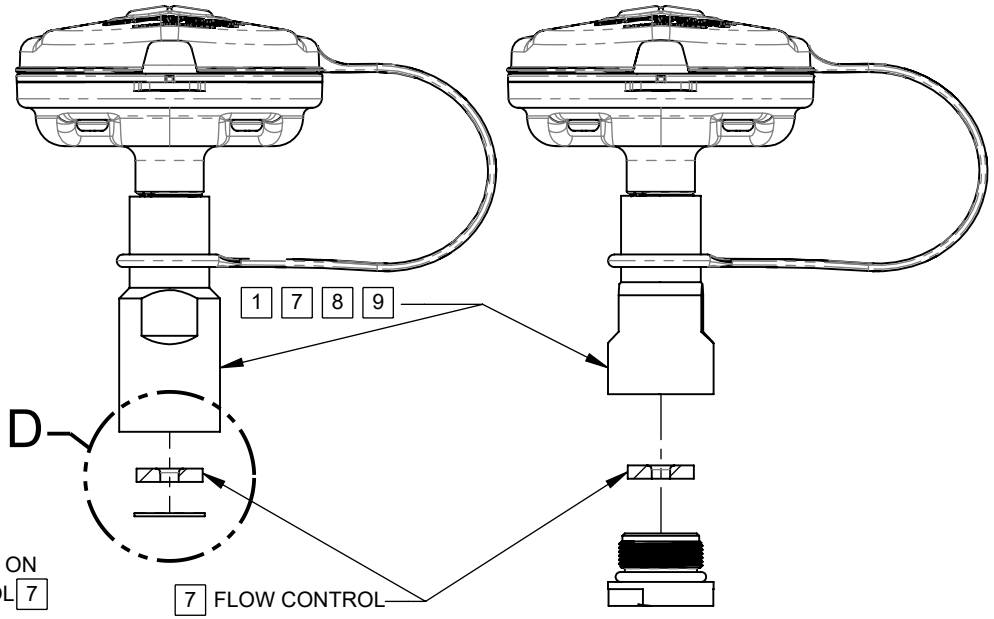
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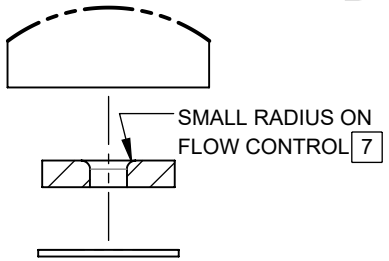


AXION HEAD & FLOW CONTROL CLEANING STEPS:

1. UNSCREW EYE/FACE WASH ASSEMBLY FROM ADAPTER.
2. REMOVE SCREWS (QTY. 4) FROM SP65CTFP EYE/FACE WASH ASSEMBLY. REMOVE EYE/FACE WASH HEAD AND BUFFER (INSERT).
3. CHECK FOR ANY DEBRIS, SEDIMENT OR MINERAL DEPOSITS BLOCKING ORIFICES ON HEAD OR BUFFER AND THOROUGHLY REMOVE ALL OBSTRUCTIONS.
4. INSERT BUFFER (INSERT) INTO EYE/FACE WASH HEAD NOTING ORIENTATION OF POST IN RELATIONSHIP TO ALIGNMENT GROOVE AS SHOWN ON DETAIL A.
5. REASSEMBLE EYE/FACE WASH HEAD, MAKING SURE THAT ALIGNMENT GROOVE ON EYE/FACE WASH HEAD LINES UP WITH ALIGNMENT TAB ON BASE.
6. REINSTALL SCREWS (QTY. 4) INTO THE EYE/FACE WASH ASSEMBLY. TIGHTEN SNUG TO ENSURE A WATERTIGHT SEAL. DO NOT OVER-TIGHTEN. TORQUE SPEC: 4 IN. LBS MAX.
7. UNSCREW ADAPTER FROM PIPE NIPPLE TO GAIN ACCESS TO FLOW CONTROL FROM EITHER END OF ADAPTER TO REMOVE ANY DEBRIS LODGED IN ORIFICES. NOTE ORIENTATION OF FLOW CONTROL (IF REMOVED), SMALL RADIUS POINTS UPWARDS TOWARDS AXION HEAD.
8. REASSEMBLE ADAPTER ONTO PIPE NIPPLE. PLACE DUST COVER LOOP OVER ADAPTER.
9. REASSEMBLE SP65CTFP EYE/FACE WASH ASSEMBLY ONTO ADAPTER. ORIENT TAB TOWARDS THE BACK (AWAY FROM USER). DO NOT OVER-TIGHTEN.
10. PLACE DUST COVER ONTO EYE/FACE WASH.



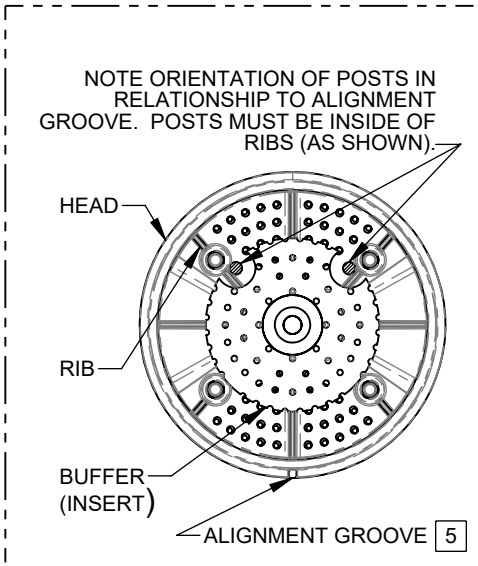




DETAIL D

1/2" NPSM ADAPTER

1/4" AND 3/8" NPSM ADAPTER



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