DEV NUMBER: ORIGINATOR: DATE:						т.	RAIN BIRD								BUSINESS UNIT (SBU and PLANT) W/ PRIMARY DESIGN CONTROL: SHEFT:							
	ORIGINA							KAIN DIKU					USINESS	•						IEET:		
DEV24-0095		Juan Gonzalez				18-Mar-2							025 OTY >>				> CP			OF 1		
DMR# (IF APPLICA	ABLE):	DEVIATION	VIATION NEW					DEVIATION FORM (DRAWING)												•		
TYPE: EXTENSION ✓ OF DEV#: DEV24-04								4-0455 FORM#233813-01 REV: R							NTS (WHE	RE USED	<u>/):</u>		·			
TOP-LEVEL SKU P/N(S) AND MODEL NUMBER(S):						EFFECTIVITY DATE: EXPIRATION DATE:							005 LAM 013S STL			025 OTY 🕡 041 NOG 🔲						
A16110MX, A16120MX, A16130MX A16140MX						14-Mar-25 1-Sep-25					008 BUY 019 AZU				028 TUC 047 TUC			TUC 🗖				
PROJECT NAME OR NO. (OPTIONAL):													013E EEX 020MX NMD				026 ELG CHINA					
REASON FOR DEVIATION:																ALS (ALL						
Supplier (Kas Engir	neering Inc.) has outlined the	e current	cosmetic defects	found in	parts prod	uced from	mold 75 3	308 – Bubb	ler Nozzle	107456-XX	ζ.					QUALITY	MGR. OR	QUALITY	ENG.		
These are defects k	•	•															R. Casas / Gerardo Escalante					
KAS stopped the m there is a reference needed repairs. Engineering is requ	at is the impact of the business if this Deviation is not approved? S stopped the mold until we provide authorization to re-start. This deviation is needed as inventories cover production for the next 8 weeks (28-APR-25) thus production would not be met, re is a reference deviation (DEV24-0062) were most of these issues were reported, unfortunately fix at the time was not effective, due to high demands that didn't allow for this tool to go out for the ded repairs. gineering is requesting a long-term deviation (six months) covering the tooling manufacturing time (late August 2025). er preliminary engineering sample evaluations, the tooling is in fine-tuning stage.																e MANUFACTURING ENGINEER					
RISK ASSESSMEN	NT/ CORR	ECTIVE ACTION	PLAN (I	NAMES & DATES)/ COM	MITMENT:											Jorge Luis Flores					
Engineering conside	ngineering considers the risk as low, based on the following evaluations:																PROD. ENG. MGR. OR PLANT ENG. MGR.					
-The Nozzles PN 10				nbled with the Ba	se PN 10	7691, MOI	.D 25506,	all the uni	its under ev	aluation m	et the gallo	nage speci	fications @	70, 50 and	d 30 psi., c	alled out b						
spec 108020-T, Co r - The umbrella wate				tical for this confi	guration,	was confin	ned using	the same	base (PN	107691 Mo	ld 25506)						F. Pichardo / Valeria Soto					
- The pull test resul	Its were over	er 100 lbf (spec:	min 100	lbf) for all the unit	s under e	evaluation.			,		,						BUYER OR BUYER/PLANNER					
Thus, the non-confo Action Plan:	ormances re	eported by KAS (1. Scuff	marks, 2. Shape	profile no	t as define	d by RB, a	and 3. Ejec	ctor Pins pu	ished into t	he plastic)	shall be co	nsidered a	s an aesth	etic conditi	on only.	BOILK	A BOILN	VELANINE	N.		
	elease new 8 Cavity Tool 48338 Miguel Verdugo / Juan Gonzalez 08-22-25																Oscar Santillan					
DRAWING NUMI	BER: I	DRAWING REVI	DEVIATION REVISION: DRAWING TIT			G TITLE/	LE/ PART DESCRIPTION:							VENDOR:			PLANT MANAGER					
107456		Υ		Y6	Nozzle B	Nozzle Bubbler KAS ENG										Jorge Borquez						
																SBU PRODUCT MGR. OR SBU ENG. MGR.						
																Arianne Williams						
																OTHER:						
																Paul Dibene / Xavier Vela						
DESCRIPTION OF	DEVIATION	I (IS/WAS COND	OITION A	ND DRAWING Z	ONE FOR	R EACH PA	RT NO. C	R ATTAC	H REDLINE	PRINTS):							QUALITY DIRECTOR (REQUIRED FOR					
																	BACK-TO-BACK DEVIATIONS)					
INVENTORY REPORT														Blanca Salas								
			MFG							1	1	1	1						1			
	omponent D		AREA			WFC OH V				WK 2 BAL	WK 3 BAL	WK 4 BAL	WK 5 BAL	WK 6 BAL	WK 7 BAL	WK 8 BAL	WK 9 BAL	WK 10 BAL	WK 11 BA			
		ER50 GPM 37 LER - 2.0 GPM 37	Bubble	r KAS ENGINEERIN		8 205,0 12 0	00 559	205,559	147,059	131,309	114,059	93,559	76,809	60,309	36,809	16,559	(3,941)	(51,191) 0	(65,691)	(69,691)		
		R - 1.0 GPM 37	Bubble			12 183,1		197,755	179,505	178,005	168,255	159,005	149,505	140,255	130,005	118,505	106,755	76,505	76,505	72,005		
10745601 NO	OZZLE,BUBBLI	R25 GPM 37	Bubble	KAS ENGINEERIN	G, INC.	12 300,0		306,840		223,090	206,340	189,590	172,840	153,840	132,090	106,590	72,340	49,090	40,590	15,590		
AESTHETIC INTERNAL CONDITIONS (1. Scuff marks, 2. Shape profile not as defined by RB, and 3. Ejector Pins pushed into the plastic)													NOZZLE BUBBLER									
		Boall marks on the cooking.		is Novalle 107456-200 Jul 47356-6 quality Rent Defense - 8-26-2004	1		Bubberhi RB Hod ff Current Pa	ozzie 107459 XX ROBUS – G GWAY H TEMACTA – 1976721	74	3				Materia Service is considered in the Control of the	330- 5 124				30			



From: Gonzalez, Juan OTY 4356

Sent: Tuesday, March 18, 2025 3:33 PM

To: Casas, Ramiro OTY 4364; Escalante, Luis Gerardo OTY 4307; Flores, Jorge Luis OTY 4610;

Pichardo, Francisco OTY 4371; Santillan, Oscar OTY 4311; Borquez, Jorge OTY 4398; Williams, Arianne SOPT 6191; Dibene, Paul OTY2 4687; Vela, Xavier OTY 4377; Salas,

Blanca LAM2 4020

Subject: DEV25-0095 NOZZLE BUBBLER PN107456 Y6 (FOR APPROVAL)

Attachments: DEV25-0095 NOZZLE BUBBLER PN107456 Y6 FINAL.xls

Tracking: Recipient Response

Casas, Ramiro OTY 4364 Signature below

Escalante, Luis Gerardo OTY 4307 Approve: 3/19/2025 9:28 AM Flores, Jorge Luis OTY 4610 Approve: 3/20/2025 9:10 AM

Pichardo, Francisco OTY 4371 Signature below

Santillan, Oscar OTY 4311 Approve: 3/18/2025 3:42 PM

Borquez, Jorge OTY 4398 Signature below

 Williams, Arianne SOPT 6191
 Approve: 3/19/2025 9:10 AM

 Dibene, Paul OTY2 4687
 Approve: 3/18/2025 4:24 PM

 Vela, Xavier OTY 4377
 Approve: 3/18/2025 4:20 PM

Salas, Blanca LAM2 4020 Signature below

Team,

Please find the **DEV25-0095 (BUBBLER NOZZLE DEVIATION AESTHETIC CONDITIONS EXTENTION)**

- This deviation is needed as inventories cover production for the next 8 weeks (28-APR-25) thus production would not be met.
- There is a reference deviation (DEV24-0062) were most of these issues were reported, unfortunately fix at the time was not effective
- Engineering is requesting a long-term deviation (six months) covering the tooling manufacturing time (late August 2025).
- Low risk
 - The non-conformance reported does not impact the performance of the bubblers (All samples evaluated met the spec 108020-T, Compensated bubbler M1404)

Your approval is highly appreciated.

Approve / reject button has been added for your convenience.

Rule of 24 hrs. applies for this request Thanks in advance

Juan Gonzalez Project Sr. Engineer

Ensambles Hyson Ave. Industrial 333 Seccion Dorada Mesa de Otay 22500 Tijuana, Mexico (619) 661-4356 phone JGonzalez@rainbird.com

From: Casas, Ramiro OTY 4364

Sent: Monday, March 24, 2025 1:52 PM

To: Gonzalez, Juan OTY 4356

From: Pichardo, Francisco OTY 4371
Sent: Monday, March 24, 2025 10:41 AM

To: Gonzalez, Juan OTY 4356

From: Borquez, Jorge OTY 4398

Sent: Monday, March 24, 2025 1:57 PM

To: Gonzalez, Juan OTY 4356

From: Salas, Blanca LAM2 4020

Sent: Thursday, March 27, 2025 2:25 PM

To: Gonzalez, Juan OTY 4356