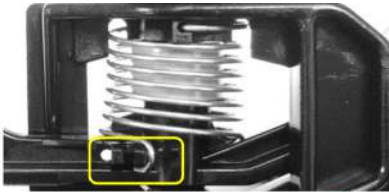



DEV NUMBER: <b>DEV24-0439</b>	ORIGINATOR: <b>Alonso Sánchez Soltero</b>	DATE: 27DE24	<b>RAIN BIRD</b>		BUSINESS UNIT (SBU and PLANT) W/ PRIMARY DESIGN CONTR		SHEET: 1 OF 1																																																				
DMR# (IF APPLICABLE): 3388863			DEVIATION NEW <input checked="" type="checkbox"/> TYPE: EXTENSION <input type="checkbox"/> OF DEV#:		025 OTY >>> CTR																																																						
TOP-LEVEL SKU P/N(S) AND MODEL NUMBER(S): Mini Maxi/Maxi Paw & Maxi Bird Models			EFFECTIVITY DATE: 30DE24		EXPIRATION DATE: 31MR25		AFFECTED MFG PLANTS (WHERE USED):																																																				
PROJECT NAME OR NO. (OPTIONAL):					005 LAM <input type="checkbox"/> 013S STL <input type="checkbox"/> 025 OTY <input checked="" type="checkbox"/> 041 NOG <input type="checkbox"/> 008 BUY <input type="checkbox"/> 019 AZU <input type="checkbox"/> 028 TUC <input type="checkbox"/> 047 TUC <input type="checkbox"/> 013E EEX <input type="checkbox"/> 020MX NMD <input type="checkbox"/> 026 ELG <input type="checkbox"/> CHINA <input type="checkbox"/>																																																						
REASON FOR DEVIATION:  Some units of the MiniMaxi production from line 1 are reported to have a start-up pressure for forward and reverse tripping above the 20 psi MAX. The highest recorded pressure is at 25 psi for star-up, which is the lowest operating pressure for all MiniMaxi/Paw & Maxi Bird models. This deviation look to allow for the maximum start-up pressure to be raised to 25 psi while a root cause analysis is done and a revalidation of the ultrasonic welding station for the arm and cover is done.						APPROVALS (ALL REQUIRED):																																																					
RISK ASSESSMENT/ CORRECTIVE ACTION PLAN (NAMES & DATES)/ COMMITMENT:  Low, risk is minimal as all units function withing specification at 25 psi which is the minimum operating pressure for all MiniMaxi/Paw & MaxiBird product family. Corrective action plan: - Root cause analysis for increased startup pressure 20MR25 Resp A. Sanchez Soltero - Revalidation of ops 190 (ultrasonic welding of arm and cover) to eliminate excess flash 10MR25 Resp C. Y. Espinoza						QUALITY MGR. OR QUALITY ENG. Luis Gerarde Escalante																																																					
						MANUFACTURING ENGINEER Cinthia Yarely Espinoza																																																					
						PROD. ENG. MGR. OR PLANT ENG. MGR Abdul Castillo																																																					
						BUYER OR BUYER/PLANNER Sergio Herrera																																																					
DRAWING NUMBER:	DRAWING REVISION:	DEVIATION REVISION:	DRAWING TITLE/ PART DESCRIPTION:		VENDOR:	PLANT MANAGER																																																					
175322	C	C1	PROD SPEC - MINI/MAXI PAW		N/A	Jorge Borquez																																																					
						SBU PRODUCT MGR. OR SBU ENG. MGR																																																					
						Marc Gruslin; Sergio Bermudez																																																					
						OTHER:																																																					
DESCRIPTION OF DEVIATION (IS/WAS CONDITION AND DRAWING ZONE FOR EACH PART NO. OR ATTACH REDLINE PRINTS):						QUALITY DIRECTOR (REQUIRED FOR BACK-TO-BACK DEVIATIONS)																																																					
<p><b>WAS:</b></p> <ul style="list-style-type: none"><li>Operating Pressure</li></ul> <p>Posición de resorte (instruccion XEH09P02):</p>  <p>Posición Spring. Todos los modelos. (Posición A)</p>						<p>UNIT TANK SAMPLING:</p> <table><thead><tr><th>START-UP PSI</th><th>Rot fwd</th><th>Rot back</th></tr></thead><tbody><tr><td>11</td><td>17.22</td><td>6.75</td></tr><tr><td>12</td><td>15.25</td><td>5.5</td></tr><tr><td>11</td><td>13.03</td><td>6.94</td></tr><tr><td>13</td><td>14.88</td><td>7.19</td></tr><tr><td>12</td><td>14.68</td><td>7.01</td></tr><tr><td>11</td><td>15.15</td><td>6.78</td></tr><tr><td>14</td><td>15</td><td>6.87</td></tr><tr><td>14</td><td>16.25</td><td>6.44</td></tr><tr><td>15</td><td>16.85</td><td>5.5</td></tr><tr><td>11</td><td>14.41</td><td>6.91</td></tr><tr><td>15</td><td>15.81</td><td>5.35</td></tr><tr><td>14</td><td>15.34</td><td>6.67</td></tr><tr><td>15</td><td>14.78</td><td>5.35</td></tr><tr><td>11</td><td>14.95</td><td>5.64</td></tr><tr><td>14</td><td>16.37</td><td>5.71</td></tr><tr><td>14</td><td>14.84</td><td>6.62</td></tr></tbody></table>			START-UP PSI	Rot fwd	Rot back	11	17.22	6.75	12	15.25	5.5	11	13.03	6.94	13	14.88	7.19	12	14.68	7.01	11	15.15	6.78	14	15	6.87	14	16.25	6.44	15	16.85	5.5	11	14.41	6.91	15	15.81	5.35	14	15.34	6.67	15	14.78	5.35	11	14.95	5.64	14	16.37	5.71	14	14.84	6.62
START-UP PSI	Rot fwd	Rot back																																																									
11	17.22	6.75																																																									
12	15.25	5.5																																																									
11	13.03	6.94																																																									
13	14.88	7.19																																																									
12	14.68	7.01																																																									
11	15.15	6.78																																																									
14	15	6.87																																																									
14	16.25	6.44																																																									
15	16.85	5.5																																																									
11	14.41	6.91																																																									
15	15.81	5.35																																																									
14	15.34	6.67																																																									
15	14.78	5.35																																																									
11	14.95	5.64																																																									
14	16.37	5.71																																																									
14	14.84	6.62																																																									
<p><b>IS:</b></p> <ul style="list-style-type: none"><li>Operating Pressure</li></ul> <p>Posicion de resorte:</p>  <p>POSICION SPRING. TODOS LOS MODELOS (POSICION B)</p>																																																											

## Sanchez, Alonso OTY 4306

---

**From:** Sanchez, Alonso OTY 4306  
**Sent:** Friday, December 27, 2024 5:19 PM  
**To:** Gruslin, Marc SOPT 6521; Bermudez, Sergio SOPT; Borquez, Jorge OTY 4398; Escalante, Luis Gerardo OTY 4307; Espinoza, Cinthia Yarely OTY 4340; Herrera, Sergio OTY 4392; Castillo, Abdul Ivan OTY 4332; Sanchez, Alonso OTY 4306  
**Subject:** DEV24-0439 for approval  
**Attachments:** DEV24-0439 Start-Up pressure 25psi.xls.xlsm  
**Importance:** High

Tracking:	Recipient	Response
	Gruslin, Marc SOPT 6521	Approve: 12/28/2024 8:48 AM
	Bermudez, Sergio SOPT	24 HR RULE INVOKED
	Borquez, Jorge OTY 4398	ADDED BELOW
	Escalante, Luis Gerardo OTY 4307	Approve: 12/30/2024 8:38 AM
	Espinoza, Cinthia Yarely OTY 4340	Approve: 1/2/2025 7:43 AM
	Herrera, Sergio OTY 4392	Approve: 12/30/2024 8:08 AM
	Castillo, Abdul Ivan OTY 4332	24 HR RULE INVOKED
	Sanchez, Alonso OTY 4306	Approve: 12/27/2024 5:19 PM

Hello team,

Please review and submit resolution for attached deviation at your soonest convenience. If there are any questions or concerns feel free to contact me.

**Reason for deviation:**

Some units of the MiniMaxi production from line 1 are reported to have a start-up pressure for forward and reverse tripping above the 20 psi MAX. The highest recorded pressure is at 25 psi for start-up, which is the lowest operating pressure for all MiniMaxi/Paw & Maxi Bird models. This deviation looks to allow for the maximum start-up pressure to be raised to 25 psi while a root cause analysis is done and a revalidation of the ultrasonic welding station for the arm and cover is done.

24hr rule will apply (weekend and holidays not included)

Kind regards and thanks

## Sanchez, Alonso OTY 4306

---

**From:** Borquez, Jorge OTY 4398  
**Sent:** Friday, December 27, 2024 10:51 PM  
**To:** Sanchez, Alonso OTY 4306; Gruslin, Marc SOPT 6521; Bermudez, Sergio SOPT; Escalante, Luis Gerardo OTY 4307; Espinoza, Cinthia Yarely OTY 4340; Herrera, Sergio OTY 4392; Castillo, Abdul Ivan OTY 4332  
**Subject:** Re: DEV24-0439 for approval

Approved.

---

**From:** Sanchez, Alonso OTY 4306 <AlSanchez@rainbird.com>  
**Sent:** Friday, December 27, 2024 5:19 PM  
**To:** Gruslin, Marc SOPT 6521 <MGruslin@rainbird.com>; Bermudez, Sergio SOPT <sbermudez@rainbird.com>; Borquez, Jorge OTY 4398 <jborquez@rainbird.com>; Escalante, Luis Gerardo OTY 4307 <lescalante@rainbird.com>; Espinoza, Cinthia Yarely OTY 4340 <CiEspinoza@rainbird.com>; Herrera, Sergio OTY 4392 <SHerrera@rainbird.com>; Castillo, Abdul Ivan OTY 4332 <AbCastillo@rainbird.com>; Sanchez, Alonso OTY 4306 <AlSanchez@rainbird.com>  
**Subject:** DEV24-0439 for approval

Hello team,

Please review and submit resolution for attached deviation at your soonest convenience. If there are any questions or concerns feel free to contact me.

Reason for deviation:

Some units of the MiniMaxi production from line 1 are reported to have a start-up pressure for forward and reverse tripping above the 20 psi MAX. The highest recorded pressure is at 25 psi for start-up, which is the lowest operating pressure for all MiniMaxi/Paw & Maxi Bird models. This deviation looks to allow for the maximum start-up pressure to be raised to 25 psi while a root cause analysis is done and a revalidation of the ultrasonic welding station for the arm and cover is done.

24hr rule will apply (weekend and holidays not included)

Kind regards and thanks