

IAS 	REGISTRO <i>RECORD</i>	REVISÃO <i>REVISION</i> 0
CODIGO CODE IAS-RG-0223	FICHA DE SERVIÇOS <i>Service Sheet</i>	PAGINA <i>PAGE</i> 1/3

NÚMERO NUMBER A00-04-08-0744	OS	MODELO <i>Model</i> DUAL LEVEL CONTROL VALVE	PN 731300 731300-3	SN
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IDENTIFICAÇÃO / IDENTIFICATION				
TÍTULO <i>TITLE</i>		FICHA DE REGISTRO DE TESTES <i>TEST RECORD SHEET</i>		
PUBLICAÇÃO PUBLICATION TECHNICAL MANUAL OVERHAUL INSTRUCTIONS	REFERÊNCIA REFERENCE T.O 6J15-3-123-3	TLN TLN00466	DATA DATE REVISÃO 5 DE 31/3/1985	
		CONJUNTO MAIOR MAIN PART PN	SN	

§-11 EXTERNAL LEAKAGE TEST				
ITEM <i>Item</i>	PROCEDIMENTOS /TOLERÂNCIAS <i>Procedures/Serviceable limits</i>	Condição <i>Condition</i>	Data <i>Date</i>	Executante <i>Performed by</i>
-	Upon completion of parag. 8.k, and prior to further reassembly, connect the valve in a test setup as shown in figure 2. Plug both relief and pilot ports. Apply 120 psig air pressure. There must be no leakage or distortion. Connect the valve as shown in figure 3. Apply 8 psig air pressure. Check for leakage at bracket fitting end. There must be no leakage.			

§-12 CRACKING PRESSURE TEST				
ITEM <i>Item</i>	PROCEDIMENTOS /TOLERÂNCIAS <i>Procedures/Serviceable limits</i>	Condição <i>Condition</i>	Data <i>Date</i>	Executante <i>Performed by</i>
-	After installation of relief valves, parag. 8.m, and prior to further reassembly, connect the valve in test setup, with the fluid level below the unit. Apply increasing pressure at the inlet. Relief valves must crack at 65 ±3 psig. Install washers (18, fig. 6) as required to obtain the required cracking pressure.			

§-13 OPERATION TEST				
ITEM <i>Item</i>	PROCEDIMENTOS /TOLERÂNCIAS <i>Procedures/Serviceable limits</i>	Condição <i>Condition</i>	Data <i>Date</i>	Executante <i>Performed by</i>
a	Connect the valve in a test setup with the fluid level below the unit and both solenoids energized.: Establish 50 ±10 gpm flow with 50 psig (deadhead) at no flow.			
b	Deenergize the primary solenoid			
c	Check the time required for flow to stop. Flow must stop within 4.5 seconds			
d	Energize the primary solenoid. Unit must start flow immediately			

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ITEM <i>Item</i>	PROCEDIMENTOS /TOLERÂNCIAS <i>Procedures/Serviceable limits</i>	Condição <i>Condition</i>	Data <i>Date</i>	Executante <i>Performed by</i>
e	Deenergize the secondary solenoid. Unit must stop flowing within 4.0 seconds			
f	Energize the secondary solenoid. Unit must start flow immediately			
g	Deenergize both solenoids. Establish an inlet pressure of 5 psig. Measure the internal leakage rate. Internal leakage must not exceed 100 cubic centimeters per minute.			
h	Deenergize both solenoids. Establish an inlet pressure of 60 psig. Measure the internal leakage rate. Internal leakage must not exceed 100 cubic centimeters per minute.			
i	Establish 50 psig inlet pressure. Energize the second solenoid. Flow through the secondary pilot should not exceed one gpm.			
j	Deenergize the secondary solenoid and energize the primary solenoid. Flow through the secondary pilot should not exceed one gpm.			
k	With the drain valve open and the manometer shutoff valve open, establishes a flow of 50 gpm with 50 psig deadhead pressure. Manometer should not exceed four inches-of-mercury.			

§-14 FLOAT OPERATION TEST

ITEM <i>Item</i>	PROCEDIMENTOS /TOLERÂNCIAS <i>Procedures/Serviceable limits</i>	Condição <i>Condition</i>	Data <i>Date</i>	Executante <i>Performed by</i>
-	Connect the valve in a test setup (fig.4) with solvent below the shutoff level and both solenoids energized. Establish a flow of 5 gpm with 50 psig deadhead pressure. Gently block the primary flow down. Let the unit flow and solvent level rise to shut off the secondary. Secondary valve must shutoff when solvent level its 3.75 ± 0.25 inches from the bottom face of the valve. Open the tank drain valve and allow solvent level to fall. Valve must reopen. Gently block the secondary float down and free the primary float. Repeat the shutoff level test. Free both floats and repeat the shutoff level test.			

§-15 INTERNAL LEAKAGE TEST

ITEM <i>Item</i>	PROCEDIMENTOS /TOLERÂNCIAS <i>Procedures/Serviceable limits</i>	Condição <i>Condition</i>	Data <i>Date</i>	Executante <i>Performed by</i>
-	Connect the valve in a test setup (fig.5). Submerge the valve to a depth of 24 ± 2 inches as shown and hold for three minutes. Remove the unit and check for leakage at the inlet port. Leakage must not exceed eleven cubic centimeters total.			

