



TD-106-1 Rev No. 5 Form No.		PRODUCT STANDARD PULVERISERS HYDERABAD		Product STD NO.	BA 53128																						
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COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED, It must not be used directly or indirectly in any way detrimental to the interest of the company.		<u>FLOW SWITCH CUM INDICATOR (WITH DIAL GAUGE)</u>																									
		1.0 The Flow Switches are used in the Lube Oil Systems of Bowl Mill PGBs. The Switches shall be with dial gauge suitable for integral type mounting on the pipeline.																									
		<u>Technical Description:</u>																									
		<table border="0"> <tr> <td>1. Operating Fluid</td> <td>: Lube Oil (SERVO SYSTEM 320)</td> </tr> <tr> <td>2. Operating Flow Rate</td> <td>: * See Table</td> </tr> <tr> <td>3. Contact Rating</td> <td>: 5 A at 240V (Reed Relay Switch)</td> </tr> <tr> <td>4. Maximum Pressure</td> <td>: 16 Bar</td> </tr> <tr> <td>5. Temperature Range</td> <td>: -5 to 50°C</td> </tr> <tr> <td>6. Range</td> <td>: 0-200 LPM</td> </tr> <tr> <td>7. No. of contacts</td> <td>: 2 SPDT (2NO + 2 NC)</td> </tr> <tr> <td>8. Contact Actions</td> <td>: COD</td> </tr> <tr> <td>9. Set Point</td> <td>: * See Table</td> </tr> <tr> <td>10. Process Connection</td> <td>: * See Table (ANSI B16.5 CLASS 150 FLANGE)</td> </tr> <tr> <td>11. Accuracy</td> <td>: ± 1%</td> </tr> <tr> <td>12. Switch Casing</td> <td>: Cast Al, Weatherproof as per IP66</td> </tr> </table>				1. Operating Fluid	: Lube Oil (SERVO SYSTEM 320)	2. Operating Flow Rate	: * See Table	3. Contact Rating	: 5 A at 240V (Reed Relay Switch)	4. Maximum Pressure	: 16 Bar	5. Temperature Range	: -5 to 50°C	6. Range	: 0-200 LPM	7. No. of contacts	: 2 SPDT (2NO + 2 NC)	8. Contact Actions	: COD	9. Set Point	: * See Table	10. Process Connection	: * See Table (ANSI B16.5 CLASS 150 FLANGE)	11. Accuracy	: ± 1%
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12. Switch Casing	: Cast Al, Weatherproof as per IP66																										
		<u>DOCUMENTS:</u>																									
		Three copies of calibration test certificates shall be supplied for each Switch Supplied, quoting BHEL Standard Number, Purchase Order Number and Manufacturer's Part No.																									
		Guarantee Certificate for 18 months of trouble free performance from the date of Supply or 12 months from the date of commissioning shall be furnished.																									
		The descriptive leaflets / catalogues giving full sectional details of the instrument shall be furnished with the offer and also with the consignment. One transparent copy of operating, Trouble shooting and Maintenance manuals shall be supplied within four weeks after placement of order.																									
Revisions: Refer to record of revisions:		Prepared: RAJESH	Approved: J G KULKARNI	Date: 08.08.08																							

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VAR NO.	DESCRIPTION WITH FLOW RATE	CONNECTION	SET POINT	MATL.CODE
01	FLOW SWITCH-CUM-INDICATOR 0-200 LPM (105 LPM SET POINT)	2"	105 Decrease	BA9753128010
02	FLOW SWITCH-CUM-INDICATOR 0-200 LPM (120 LPM SET POINT)	2"	120 Decrease	BA9753128029

PACKING:

The screwed connections shall be protected by suitable caps. Each Flow switch shall be wrapped individually in a bubbled polythene sheet and packed in a thermocole box. Such boxes shall be packed in a carton or a case with adequate cushioning material to withstand normal transit risks. An additional copy of the each test and guarantee certificate shall be enclosed to the packing list along with the consignment.

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