


TD-106. - 2 Rev. No. : 00	Form No. : 	<div><b>PRODUCT STANDARD</b></div> <div><b>HYDERABAD</b></div> <div><b>GT ENGINEERING</b></div>	Prod. Std. No. : GT51025				
			Rev. No. 04				
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				<div><b><u>FILTER CARTRIDGE</u></b></div>			
				<div><b>1.0 DESCRIPTION</b></div>			
				<div>1.1 This standard specifies the requirement of filter cartridge used in gas turbine control oil system.</div>			
				<div><b>2.0 TECHNICAL REQUIREMENT:</b></div>			
				<div>2.1 Filtration : 0.5 Microns</div>			
				<div>2.2 Material : Cartridge with 0.5 Microns glass paper inserts.</div>			
				<div>2.3 Max. operating pressure : 127 kg/cm<sup>2</sup> (g)</div>			
				<div>2.4 Fluid to be handled : Light, Medium, Heavy Turbine Oil</div>			
				<div>2.5 Dimensions (LxODxD) in inches : 11.29 X 3.15 X 1.75</div>			
<div>2.6 Seal Type : VITON</div>							
<div>2.7 Element collapse Rating : 210 Bar Diff.</div>							
<div>2.8 Flow through Filter : 62 lit/min.</div>							
<div>2.9 B<sub>2</sub> : 75 (Gravimetric Efficiency = 98.7%).</div>							
<div><b>3.0 TEST AND GUARANTEE CERTIFICATES:</b></div>							
<div>3.1 Test Certificates:</div>							
<div>3 copies of the test certificates shall be supplied for each consignment, quoting BHEL standard no. Purchase Order No. and manufacturers identification serial No. The test certificates shall contain the test results of the tests carried out.</div>							
<div>3.2 Guarantee Certificate:</div>							
<div>A guarantee certificate for 5 years of shelf life, if stored in original unopened factory packaging shall be submitted.</div>							
<div><b>4.0 DOCUMENTS:</b></div>							
<div>The descriptive leaflets/catalogues of the filter cartridge offered shall be furnished along with the offer and also with the consignment.</div>							
<div>15 prints and one reproducible copy of operating, trouble shooting and maintenance manual shall be supplied within 4 weeks after placement of order.</div>							
<div><b>5.0 MARKING AND PACKING:</b></div>							
<div>5.1 Marking:</div>							
<div>Each package shall be marked with the following details:</div>							
<div>a) BHEL Order No.</div>							
<div>b) BHEL Specification No.</div>							
<div>c) Suppliers Name</div>							
Ref. Doc	258A4860						

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d) Size and Weight

Each package shall contain 3 packing lists, listing all the contents of the package with one packing list attached securely to the outside of the container.

**5.2 PACKING:**

Packing shall be accomplished in accordance with acceptable commercial practices to protect the equipment from damage.

**5.3 SHELF LIFE REQUIREMENT:**

All packages having any shelf life items as part of it must have clear indication on the package/container and packing list. Any deviation to this requirement must be brought to notice of GT Engineering for specific approval.

**HP (High Pressure) series elements Shelf life is up to five years if stored in original unopened factory packaging.**

**5.4 INSPECTION AT IGI (INCOMING GOODS INSPECTION) STAGE:**

A verification check to be done if the product arrived in good condition at warehouse/stores before accepting them in to our stock.

1. Verify if the received product model no is as per the order and according to the desired variant.
2. Check if the boxes are OK and the labels are there in the right place, the quantity is OK, etc.
3. Visual inspection to be done to ensure that the received goods have no physical damage.
4. Check the physical dimensions of the supplied elements are as per the specification.
5. Guaranteed and proved with a measurement test reports from the vendor shall be received.
6. Shelf life of the elements to be checked and ensure it is in line with the Spec requirement.
7. Any deviation to this requirement must be brought to notice of GT Engineering for specific approval


**6.VARIANT TABLE**

BHEL Var No	BHEL Matl code /GE Part No	HILLIARD Part No	Weight (Kg)	L X OD XID in inches	Remarks
01	GT9751025010 258A4860P002	HP311-12-GE	0.5	11.29 X 3.15 X 1.75	

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RESTRICTED USE



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