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| Traveler Title | SNS PPU Tophat Bellows Inspection Traveler |
| Traveler Abstract | Traveler defines the inspection process for the SNS PPU Tophat Bellows |
| Traveler ID | SNSPPU-CM-INSP-TPHTB |
| Traveler Revision  | R1 |
| Traveler Author | Matt Marchlik |
| Traveler Date | 12-Mar-20 |
| NCR Informative Emails | edaly |
| NCR Dispositioners | marchlik,kwilson |
| D3 Emails | Marchlik,kwilson,edaly |
| Approval Names | M. Marchlik | K. M. Wilson | A. DeKerlegand | E.F. Daly |
| Approval Signatures |  |  |  |  |
| Approval Dates |  |  |  |  |
| Approval Title | Author | Reviewer | Reviewer | Project Manager |

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| References | List and Hyperlink all documents related to this traveler. This includes, but is not limited to: safety (THAs, SOPs, etc), drawings, procedures, and facility related documents. |
| [104211600-M8U-8200-A051](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-211302/104211600-M8U-8200-A051.pdf) (BELLOWS ASSEMBLY) | [104211600-M8U-8200-A031](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-211691/104211600-M8U-8200-A031.pdf) (TOPHAT ADAPTER) |  |  |  |
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| Revision Note |  |
| R1 | Initial release of this Traveler. |

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| Step No. | Instructions | Data Input |
| **General handling guidelines:** The tophat bellows are fragile and susceptible to denting if dropped or struck. Great care shall be taken to prevent damage during handling. The flat face of the bellows assembly flange is an o-ring sealing face. Care shall be taken to avoid scratching/gouging this surface and a protective cover shall be installed over this face at all possible times. |
| 1 | **Initial Inspection:** |
| Technician NameDate of InspectionSerial Number of part | [[TechName]] <<SRF>>[[InspectionDate]] <<TIMESTAMP>>[[TPHTBSN]] << TPHTBSN>> |
| Is part clean, free from dust, oil, finger prints or other contaminants? | [[PartCleanOk]] <<YESNO>> |
| Visually inspect the bellows assembly convolutions for dings/dents/gouges. Inspect the flange’s sealing surface for scratches/gouges. | [[SurfacesOk]]<<YESNO>> |
| Comments:Upload photos of any damage. | [[VisualInspComment]] <<COMMENT>>[[VisualInspPhoto]] <<FILEUPLOAD>> |
| 2 | **Dimensional Inspection:** |
| Dimensionally inspect the bellows assembly against the reference drawings listed above. Only bellows assemblies with serial numbers ending in 001, 014 and 028 require dimensional inspection. The number of flange holes shall be verified. The flange hole locations shall be measured and verified against the drawing tolerances. The bellows assembly length shall be verified. | [[DimcheckOk]] <<YESNO>>[[DimcheckComment]] <<COMMENT>> |
| 3 | **Storage:** |
| Each tophat bellows assembly shall be re-packaged in its original protective packaging after inspection. | [[StorageTech]] <<SRF>>[[StorageDate]] <<TIMESTAMP>> |