#### autoFilter (AutoFilter Settings)

AutoFilter temporarily hides rows based on a [filter](filter.docx) criteria, which is applied column by column to a [table](table.docx) of data in the worksheet. This collection expresses AutoFilter settings.

[Example: This example expresses a [filter](filter.docx) indicating to 'show only values greater than 0.5'. The [filter](filter.docx) is being applied to the range B3:E8, and the criteria is being applied to values in the column whose colId='1' (zero based column numbering, from left to right). Therefore any rows shall be hidden if the value in that particular column is less than or equal to 0.5.

<autoFilter ref="B3:E8">  
 <[filterColumn](filterColumn.docx) colId="1">  
 <[customFilters](customFilters.docx)>  
 <[customFilter](customFilter.docx) operator="greaterThan" [val](val.docx)="0.5"/>  
 </[customFilters](customFilters.docx)>  
 </[filterColumn](filterColumn.docx)>  
</autoFilter>

end example]

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| Parent Elements |
| [customSheetView](customSheetView.docx) (§); [filter](filter.docx) (§); [table](table.docx) (§); [worksheet](worksheet.docx) (§) |

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| Child Elements | Subclause |
| [extLst](extLst.docx) (Future Feature Data Storage Area) | § |
| [filterColumn](filterColumn.docx) (AutoFilter Column) | § |
| [sortState](sortState.docx) (Sort State) | § |

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| Attributes | Description |
| ref (Cell or Range Reference) | Reference to the [cell](cell.docx) range to which the AutoFilter is applied.  The possible values for this attribute are defined by the [ST\_Ref](ST_Ref.docx) simple type (§). |

The following XML [Schema](Schema.docx) fragment defines the contents of this element:

<complexType [name](name.docx)="CT\_AutoFilter">

<sequence>

<element name="[filterColumn](filterColumn.docx)" minOccurs="0" maxOccurs="unbounded" type="CT\_FilterColumn"/>

<element name="[sortState](sortState.docx)" minOccurs="0" maxOccurs="1" type="CT\_SortState"/>

<element name="[extLst](extLst.docx)" type="CT\_ExtensionList" minOccurs="0" maxOccurs="1"/>

</sequence>

<attribute [name](name.docx)="ref" type="[ST\_Ref](ST_Ref.docx)"/>

</complexType>