

# H5P\_REMOVE\_FILTER

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# H5P\_REMOVE\_FILTER

Delete one or more filters in the filter pipeline

## Procedure:

H5P\_REMOVE\_FILTER ( plist\_id, filter )

## Signature:

```
herr_t H5Premove_filter(  
    hid_t plist_id,  
    H5Z_filter_t filter  
)
```

Fortran90 Interface: h5premove\_filter\_f

```
SUBROUTINE h5premove_filter_f(prp_id, filter, hdferr)

  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: prp_id ! Property list identifier
  INTEGER, INTENT(IN) :: filter      ! Filter to be removed
                                     ! Valid values are:
                                     !   H5Z_FILTER_ALL_F
                                     !   H5Z_FILTER_DEFLATE_F
                                     !   H5Z_FILTER_SHUFFLE_F
                                     !   H5Z_FILTER_FLETCHER32_F
                                     !   H5Z_FILTER_SZIP_F
  INTEGER, INTENT(OUT) :: hdferr     ! Error code
                                     ! 0 on success, -1 on failure
END SUBROUTINE h5premove_filter_f
```

### Parameters:

<i>hid_t</i> plist_id	IN: Dataset or group creation property list identifier
<i>H5Z_filter_t</i> filter	IN: Filter to be deleted

### Description:

H5P\_REMOVE\_FILTER removes the specified *filter* from the filter pipeline in the dataset or group creation property list *plist\_id*.

The *filter* parameter specifies the filter to be removed. Valid values for use in *filter* are as follows:

H5Z_FILTER_ALL	Removes all filters from the filter pipeline.
H5Z_FILTER_DEFLATE	Data compression filter, employing the gzip algorithm
H5Z_FILTER_SHUFFLE	Data shuffling filter
H5Z_FILTER_FLETCHER32	Error detection filter, employing the Fletcher32 checksum algorithm
H5Z_FILTER_SZIP	Data compression filter, employing the SZIP algorithm
H5Z_FILTER_NBIT	Data compression filter, employing the N-Bit algorithm
H5Z_FILTER_SCALEOFFSET	Data compression filter, employing the scale-offset algorithm

Additionally, user-defined filters can be removed with this routine by passing the filter identifier with which they were registered with the HDF5 library.

Attempting to remove a filter that is not in the filter pipeline is an error.

### Returns:

Returns a non-negative value if successful; otherwise returns a negative value.

### Example:

Coming Soon!

### History:

Release	Changes
1.6.3	Function introduced in this release. Fortran subroutine introduced in this release.
1.8.5	Function extended to work with group creation property lists.

--- Last Modified: August 07, 2019 | 11:53 AM