



VEREINIGTE  
FÜLLKÖRPER-FABRIKEN  
GMBH & CO. KG

MADE IN GERMANY

+++Tower Packings+++Inert-Balls+++Catalyst Support Materials+++Column Internals+++Droplet Separators+++

# DuraTop® / DuraFlow

Inert Covering Material  
and Pressure Drop-Reducer

Please give us a call  
**+ 49 26 23 / 895 -14**



# VFF – experience that pays

Founded in 1967, ongoing innovation and the highest possible standards of quality have allowed VFF to develop into Europe's largest producer of tower packings and inert balls. VFF has now become a globally operating company with more than 30 representations.

VFF supplies a full range of tower packings, inert balls (catalyst support material), column internals, plastic packings and droplet separators (demisters), software and consulting for mass and heat transfer applications all over the world.

VFF offers its customers optimum operational safety with high-quality products Made in Germany and is characterised by innovation, flexibility and performance strengths.

You can also find further information about VFF's products online at [www.vff.com](http://www.vff.com)

## Advantages at a glance

### DuraTop® und DuraFlow – Inert Covering Material and Pressure Drop-Reducer

DuraTop® and DuraFlow are used for the covering of catalyst and catalyst carriers (Duranit® inert balls) and are applied to the upper ball layers.

In addition, it is possible to apply the two Pressure Drop-Reducer at different levels of the catalyst support bed or even to replace the upper spherical layers in an energy-saving manner.

DuraTop® and DuraFlow are of course available in different sizes.

In addition these products offer the following advantages:

- Good pre-distribution of liquid and gaseous media
- Reduction of pressure drop
- Increased reduction of any particle impurities of the media before they reach the catalyst bed

In time of rising energy costs let us inform you what DuraTOP® and DuraFlow can do for your application.

## Physical properties

|   | Nominal size<br>[ " ] Inch | Diameter<br>[ mm ] | Height<br>[ mm ] | Spec. surface<br>[ m <sup>2</sup> / m <sup>3</sup> ] | Spec. weight<br>[ kg / m <sup>3</sup> ] | Free volume<br>[ % ] |
|---|----------------------------|--------------------|------------------|--|---|----------------------|
| <br>DuraTop® | 1/2                        | 12...13            | 7...8            | 640  | approx. 1000                            | approx. 55           |
|   | 3/4                        | 19...20            | 10...11          | 400  | approx. 850                             | approx. 65           |
|   | 1                          | 25...26            | 12...14          | 330  | approx. 850                             | approx. 65           |
| <br>DuraFlow | 1/2                        | 11...13            | 6...8            | 650  | approx. 1200                            | 45...50              |
|   | 5/8                        | 18...19            | 9...11           | 400  | approx. 1150                            | 47...53              |
|   | Other sizes upon request   |                    |                  |  |   |                      |

Subject to technical modifications. All details serve for preliminary information purposes only. Claims cannot be derived therefrom. Specification sheets are available on request. The usual, permitted tolerances for ceramic products apply.

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