

# Gericke Elbow Type GB

- Abrasion resistant
- Compact design

The patented deflection chamber reduces turbulence and friction. This results in gentle conveying of the product, avoiding formation of angel hair and reducing pipe wear.

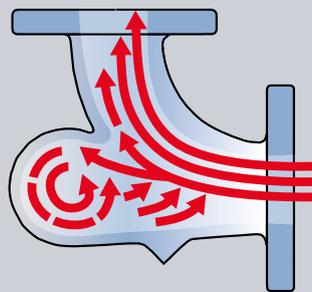
## Area of application:

- For pneumatic dense and lean phase conveying of granules, grains, grits, sand and powder
- For vacuum and positive pressure conveying
- For the conveying of slurries and suspensions

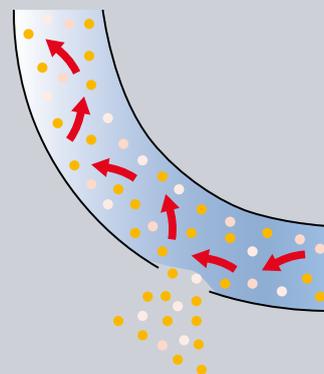
## Advantages:

- Less pipe wearing
- Less friction and heating of the product and pipe wall
- Avoiding formation of angel hair
- Reduction of noise pollution
- Automatic self-purging
- Little pressure drop
- Low costs for pipeline support and installation, thanks to compact design
- Fast delivery time
- Fast Installation
- Reduces plugging

With Gericke Elbow



Without Gericke Elbow



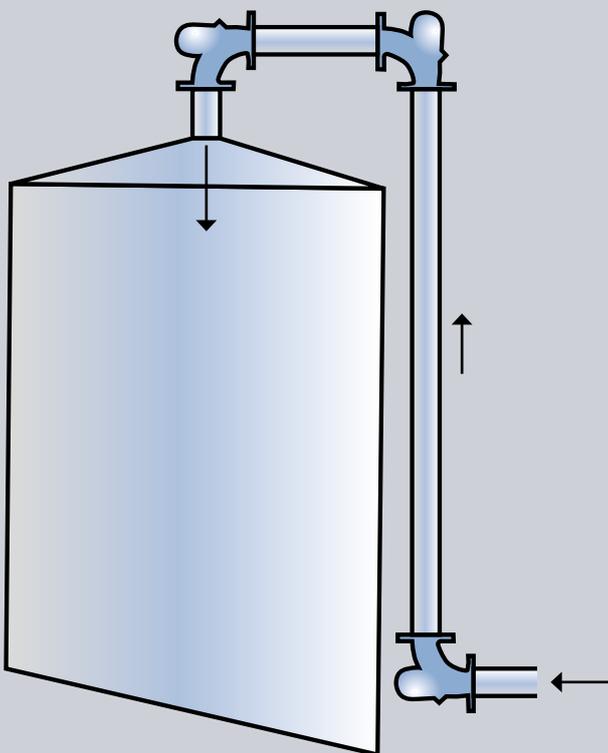
# Gericke

Powder Processing Equipment and Systems



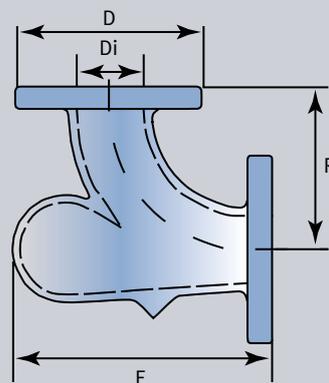
# Specifications

Function	<ul style="list-style-type: none"> <li>The direction of conveyed material is changed without impact on either the elbow wall or a mass of compacted material.</li> <li>A slow rotating, self-renewing ball of material suspended in air deflects the stream of conveyed material smoothly without severe elbow wear or particle damage and without additional energy.</li> <li>Additional air-purging connection available.</li> </ul>
Self Purging	<ul style="list-style-type: none"> <li>Automatic self-purging design at speeds above 15 m/s eliminates cross contamination.</li> </ul>
Material	<ul style="list-style-type: none"> <li>Modular cast iron GGG-70</li> <li>Stainless steel 1.4408</li> </ul>
Technical Data	<ul style="list-style-type: none"> <li>Flange dimensions EN 1092-1 PN16 (ANSI Flange on request)</li> <li>Pressure range: -1 to +6 bar</li> </ul>



Type	DN	Pipe di	R	E	D	Weight appr. kg
GB 50/90	50	55	16	230	165	9
GB 65/90	65	70	175	263	185	13
GB 80/90	80	83	197	297	200	16
GB 100/90	100	102	221	363	220	25
GB 125/90	125	127	256	467	250	43
GB 150/90	150	151	287	535	285	60

Other dimensions on request



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