ELBOW GB

Increase the lifetime of your bends!

Increase the lifetime of bends for pneumatic conveying of abrasive materials with the Gericke Bend GB.
Due to the special vortex chamber, the wear rate of bends for pneumatic conveying is drastically reduced. The lifetime cycle will be extended and your maintenance and downtime costs will be reduced.

Principle of operation

The conveyed product changes direction due to the deflection in the special vortex chamber and not due to the impact on the bend wall. Therefore, the Gericke Bend significantly reduces wear and failure for pneumatic conveying of abrasive bulk materials.

+   Your Benefits

- Reduces pipe wearing, friction and heating of the conveyed product
- Reduces maintenance, downtime and operating costs
- Reduces angel hair in conveying of plastic granulates
- Lower space requirements as it is a space saving way to divert the conveying pipe direction by 90 degrees
- Reduction of noise pollution

+   Applications

- Conveying of abrasive materials
- Dense phase (except PulseFlow) or lean phase
- Positive or negative pressure (vacuum)
- For both powders and pellets

With Gericke Elbow
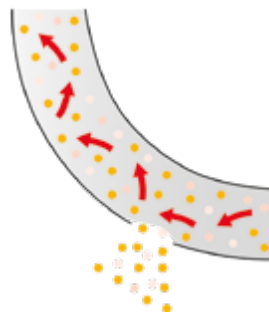
Without Gericke Elbow

Function	• The direction of conveyed material is changed without impact on either the elbow wall or a mass of compacted material.
	• 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.
Material	• Modular cast iron EN-GJS-700-2 (GGG70) with outside prime coat RAL 3002
	• Stainless steel 1.4408
Technical Data	• Flange dimensions EN 1092-1 (ANSI Flange on request)
	• Pressure range: -1 to +10 bar

Typ	DN	Pipe Di	PN	R	E	D	Weight appr. kg
GB 50	50	55	16	163	230	165	9
GB 65	65	70	16	175	263	185	12
GB 80	80	83	16	197	297	200	17
GB 100	100	102	16	221	363	220	26
GB 125	125	127	16	256	467	250	46
GB 150	150	151	16	287	535	285	60
GB 200	250	211	10	356	671	395	120

All dimensions in mm.
Other dimensions on request.

Gericke