

Flat Face Quick Disconnect Couplings SERIES DBG

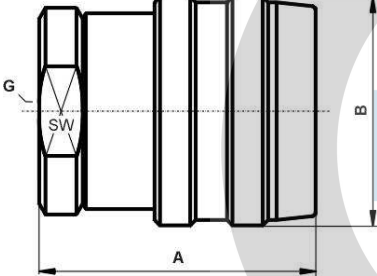
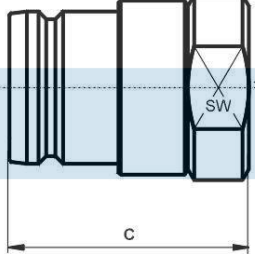
Double-shutoff, non-spill, can be sterilized

GATHER
INDUSTRIE

technical data Series DBG				
series	connection	nominal diameter	admissible operating pressure [bar]	max. loss due to surface wetting of valve faces
DBG2	G 1/4	DN 6	300	0,02 ml
DBG3	G 3/8	DN 10	300	0,02 ml
DBG4	G 1/2	DN 12	250	0,03 ml
DBG6	G 3/4	DN 20	200	0,06 ml
DBG8	G 1	DN 25	105	0,10 ml
DBG12	G 1.1/2	DN 40	60	0,30 ml
DBG20	G 2 G 2.1/2	DN 65	20	3,60 ml

safety factor 4:1



Fassung		Nippel		dimensions		
				series	G	SW So./Pl.
				DBG2	1/4	24/21
				DBG3	3/8	30/25
				DBG4	1/2	41/41
				DBG6	3/4	46/46
				DBG8	1	50/46
				DBG12	1.1/2	65/70
				DBG20	2 2.1/2	95/95

all data in mm

description	General technical data – Series DBG	
<p>Flat face quick disconnect couplings of Gather series DBG feature double-shutoff function for single hand operation. Their design prevents liquids from spilling when the coupling is disconnected and air from entering the line system when the connection is made. The interior design enables the couplings to be cleaned inline (CIP: Cleaning In Place). Media sufficiently washes around all coupling components causing any product deposits to be removed completely. The pressure drop caused by the quick-disconnect coupling is very low due to the favorable contour of the inner components creating optimum flow conditions. All elastomeric gaskets are located inside which enhances operational safety.</p>	materials	<ul style="list-style-type: none"> Stainless steel (1.4021, 1.4404) Hastelloy Titan a.o.
	seals and gaskets	<ul style="list-style-type: none"> NBR* FPM* EPDM* FVMQ* FFKM CR* u.a. (auch FDA-konform)
	surfaces	$R_a \leq 1,6 \mu m$
	Temperature range (je nach Dichtungstyp)	-60°C to +300°C

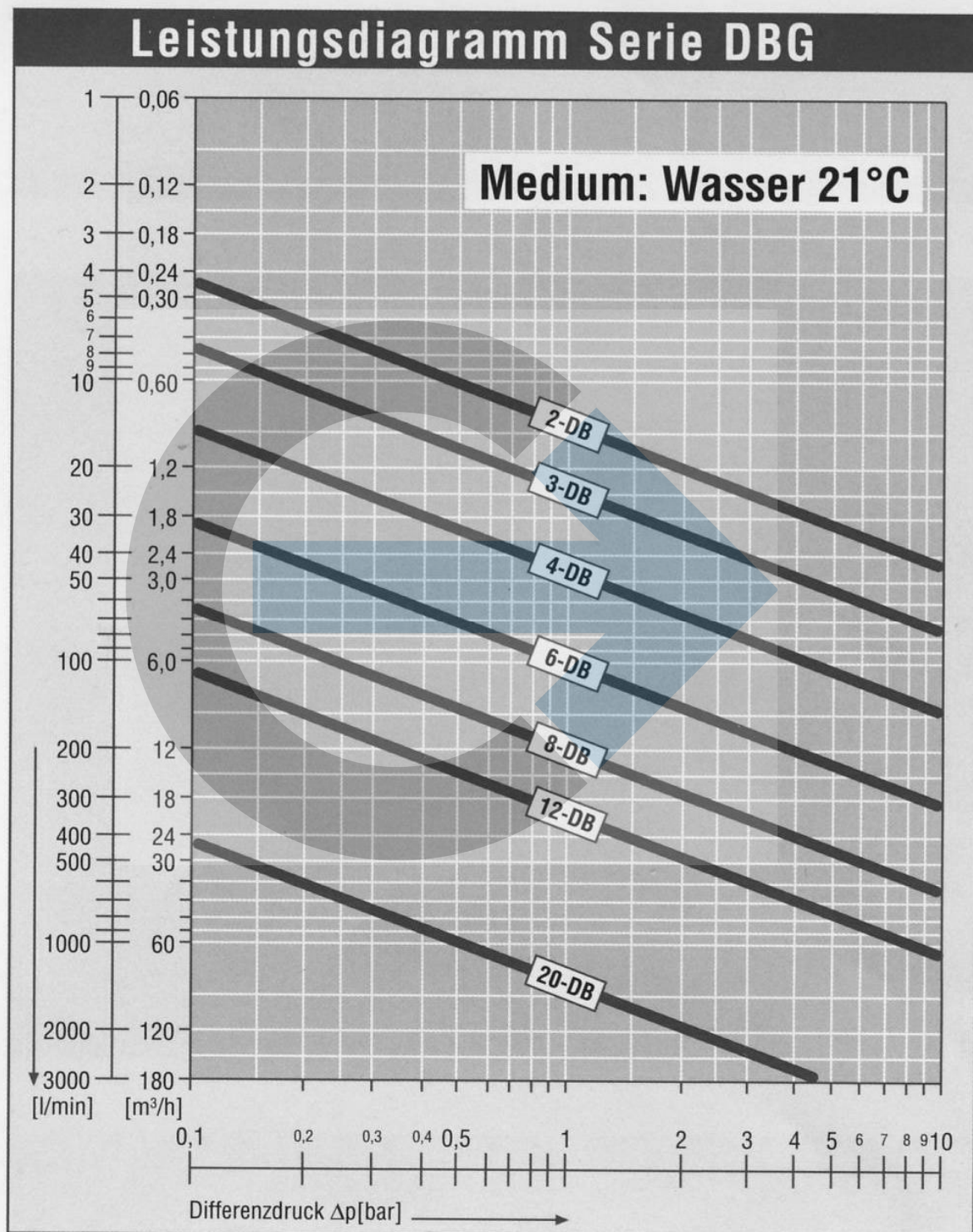
* Stützringe und Gewindegründichtung aus PTFE

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Capacity chart - Series DBG

wird z.Zt. überarbeitet



TÜV checked

TA-Luft konform!

FDA konform!

ATEX konform!

Flat-Face Quick-disconnect Couplings

The improved connection

General remarks to the offer:

(Extracts from the operating instructions)

- The Gather quick-disconnect coupling has been designed in accordance with Product Safety Guidelines 2001/95/EG and Pressure Vessel Code 97/23/EG. The safety requirements and instructions prescribed therein must be met.
- The coupling has been certified by TÜV-Rheinland in conformity with TA-Luft (Clean Air Directive).
- The tube-hose quick-disconnect coupling is not a safety valve and is not considered to be "permanently technically sealed".
- Please also follow the tips of ATEX from our operating instruction. By request we will provide it in advance to you.
- In case of quick-disconnect couplings used for high-temperature applications it is mandatory that the coupling must only be disconnected unprotected at surface temperatures not exceeding 48°C (as stipulated in DIN EN 563 quick-disconnect couplings operated at elevated temperatures must only be actuated without protection if their surface temperature does not exceed 48°).
- The coupling must not be coupled dry, unless it is specified separately.
- The coupling must be connected and disconnected non-pressurized, unless it is specified separately.
- Hydraulic shock in conjunction with disproportionally high flow rate is impermissible and has to be specified separately.
- No chemical reactions whatsoever must take place in the couplings.
- Depending on the relevant application operators must take precautionary measures and wear gloves, safety goggles, safety clothing
- The fluid in the coupling must not cure, build up coating or glue the coupling.
- Depending on the characteristic for liquid the coupling must be cleaned in place (connected and disconnected) with a solvent that is suitable.
- Remark for lacquer and other liquids that build up coatings (in the following called "lacquer"): The socket must not filled with or come in touch with lacquer when it is disconnected. After using it with lacquer under connected conditions, it must be cleaned intensively under connected conditions with a suitable solvent. The decoupled socket must not be filled with lacquer or be in contact with lacquer. After the using of the connected coupling with lacquer the coupling must be cleaned in place sufficiently with a suitable solvent that takes away the lacquer without residue. The customer or user takes the responsibility for the selection and the use of the solvent.
- The quick-disconnect coupling must exclusively be employed within the scope of the specifications laid down by the manufacturer with respect to admissible operating pressure, admissible operating temperature, with due consideration to be given to size, connection variant, materials and seals provided. In case of deviations or changes of operating parameters please contact the manufacturer.
- Before delivery the couplings are tested of pressure and pressure tightness on our test plant by specification (medium water and air)
- All pressure information (except pressure decrease in the coupling, look at performance curve) are „static pressures“.
- The chemical resistance of the used materials must be clarified by the customer additionally.
- Material certificate according to DIN EN 10204-3.1 can be furnished on request at extra charge.
- certificates of technical approval according to EN 12266-1 can be furnished on request at extra charge.
- The enclosed characteristic curves have been prepared using water and at room temperature to enable a comparison to be made between different products and manufacturers. Please do not hesitate to contact us for info on pressure drops/losses applicable to your application and medium.
- Any deviations from these data must be specified and agreed upon separately.