

BUTTERFLY VALVE Q 011



High grade double block butterfly valve, with test/lubrication port for laboratory, clean room and pharmaceutical applications.

TECHNICAL DATA

Nominal diameter:	DN 80 - DN 400
Face-to-face:	EBRO works standard
Flange accommodation:	EN 12220 EN 24154
Top flange:	EN ISO 5211
Marking:	EN 19
Tightness check:	EN 12266 (Leakage rate A)
Temperature range:	0°C to +50°C
Operating pressure:	max. 1 bar

FEATURES

- Can be installed in any desired position
- Multiple shaft bearings
- Can be disassembled, material-specific recycling possible

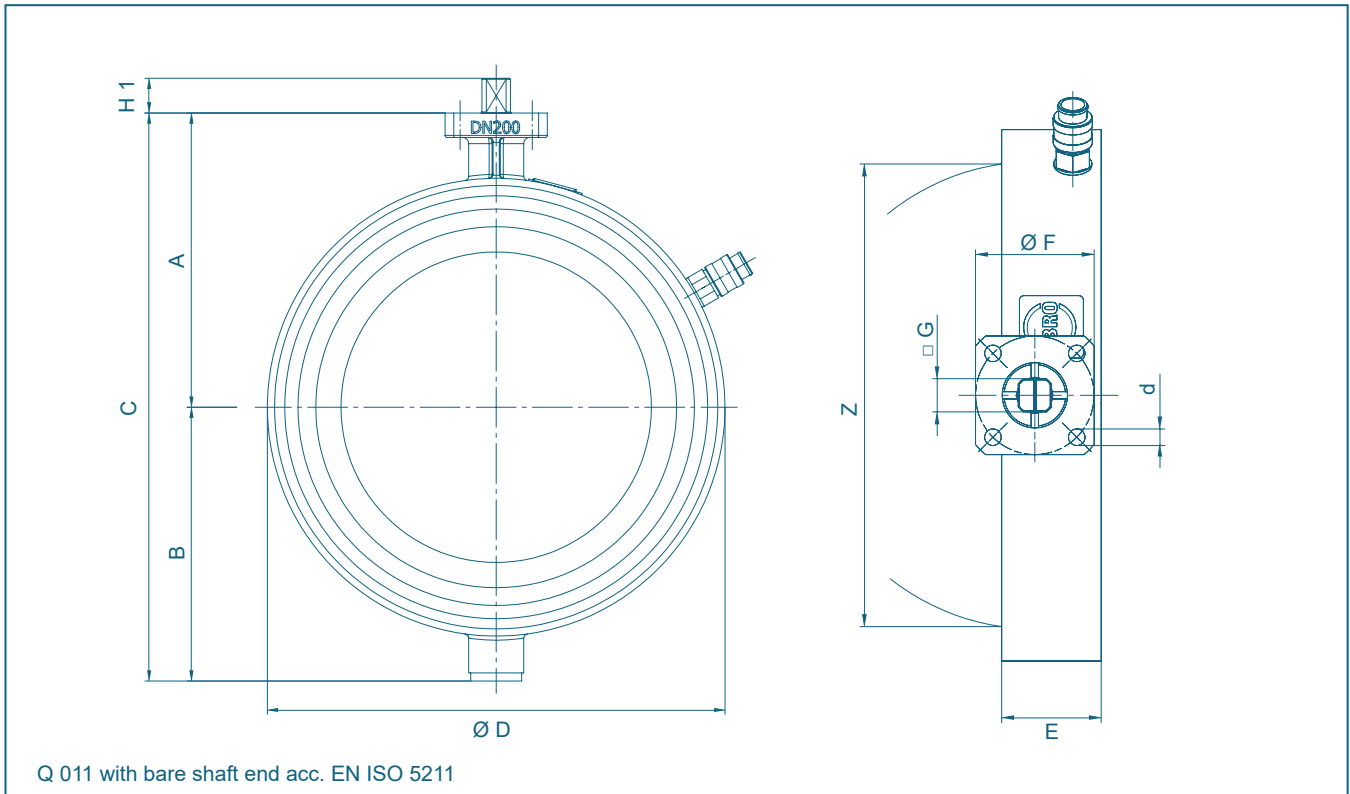
GENERAL APPLICATIONS IN HVAC PLANTS:

- Pharmaceutical industry
- Clean room technology
- Research laboratories
- Laboratories



The integrated coupling provides the port for the air test gauge and the lubrication press.

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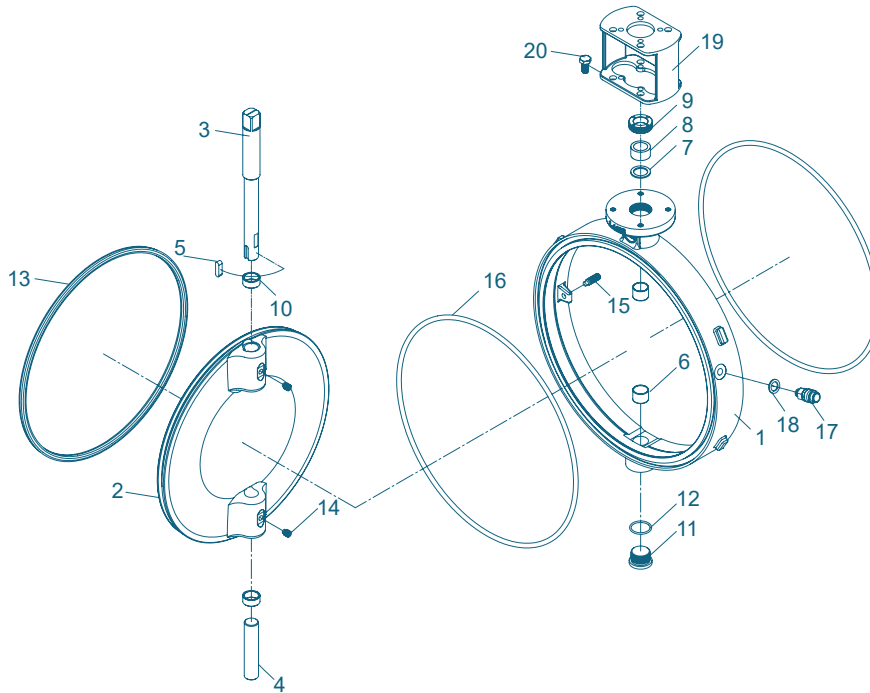


DN [mm]	Size [in]	Dimensions [mm]										Weight [kg]
		A	B	C	D	d	E	F	G	H1	Z	
80	3	81	70	167	102	6	36	42	11	12	76	1,8
100	4	90	77	167	122	6	36	42	11	12	96	2,2
125	5	105	92	197	145	6	36	42	11	12	121	3,0
150	6	118	104	222	172	6	36	42	11	12	147	4,0
200	8	144	134	278	224	7	42	50	14	17	199	6,0
250	10	167	159	326	274	7	42	50	14	17	247	8,0
280	11	198	182	380	310	9	47	70	17	21	278	14,0
300	12	208	192	400	330	9	47	70	17	21	298	15,0
350	14	244	226	470	380	12	60	102	22	23	343	20,0
400	16	275	260	535	434	12	60	102	22	23	397	26,0

Subject to change without notice

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MATERIAL SPECIFICATION AND PARTS LIST



Pt.	Description	Material	Material-No.	Pt.	Description	Material	Material No.
1	Body			11	Plug Screw		
	Stainless Steel	G-X5CrNiMo 19-11-2	1.4408		Stainless Steel	A2-70	
2	Disc			12	O-Ring		
	Stainless Steel	G-X5CrNiMo 19-11-2	1.4408		EPDM	Ethylene propylene diene monomer rubber	
3	Shaft			13	Seal		
	Edelstahl	X8CrNiS 18-9	1.4305		EPDM	Ethylene propylene diene monomer rubber	
4	Shaft			14	Set screw		
	Stainless Steel	X8CrNiS 18-9	1.4305		Stainless Steel	A2-70	
5	Feather key			15	Set screw		
	Stainless Steel	X5CrNi 18-8	1.4301		Stainless Steel	A2-70	
6	DU-bush			16	Round cord ring		
	Steel/PTFE	St./ Polytetrafluorethylene			EPDM	Ethylene propylene diene monomer rubber	
7	Disc			17	Snap closing coupling		
	Stainless Steel	A2			Brass, nickel plated		
8	Sealing Set			18	Seal		
	PTFE	Polytetrafluorethylene			Polyamide		
9	Gland flange screw			19	Bracket		
	Stainless Steel	X5CrNi 18-8	1.4301		Steel, zinc coated		
10	Bearing ring			20	Hex.-socket screw		
	Stainless Steel	X8CrNiS 18-9	1.4305		Stainless Steel	A2-70	
					Other materials upon request		

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TORQUE

- The torque values specified (Md) are based on dry media and are measured with air at a temperature of 20 °C

- The values specified are based on the initial breakaway torque (disc disengages from seat, torque then drops)

Regarding the dimensioning of actuators, please contact our engineers.

DN [mm]	Size [in]	Md
80	3	15
100	4	20
125	5	25
150	6	30
200	8	35
250	10	40
280	11	45
300	12	50
350	14	55
400	16	60

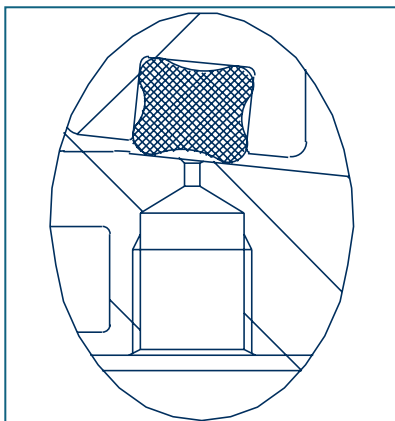
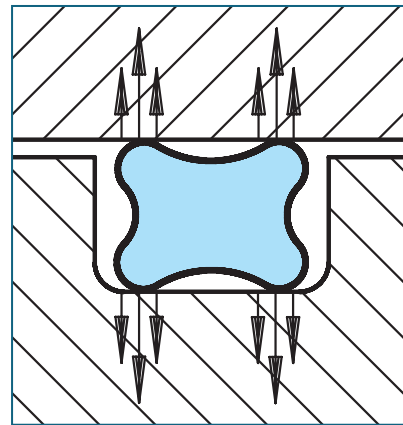
All values in Nm

DOUBLE FUNCTION

Wafer type butterfly valve in eccentric construction with a „Double Block and Bleed“ sealing design.

A cavity space between the sealing lips is pressurized or depressurized thru the test port. An air test gauge is connected to the port and displays even little leakages by a pressure surge or drop. The volume of the hollow space is very small. Therefore it is possible to make visible lowest leakages under pressure.

The exact position of the closed valve is controlled by a mechanical stop. Even after many Open/Close cycles, exact repeatability of the closed position will be observed.



The sealing is similar to a quadratric ring. A large range of rubber compounds are available, which ensures the use in various applications of ventilation technology.

The low torque of the Q 011 requires minor actuator power and therefore guarantees an energy-efficient automation of the valve.