



MAHR GmbH

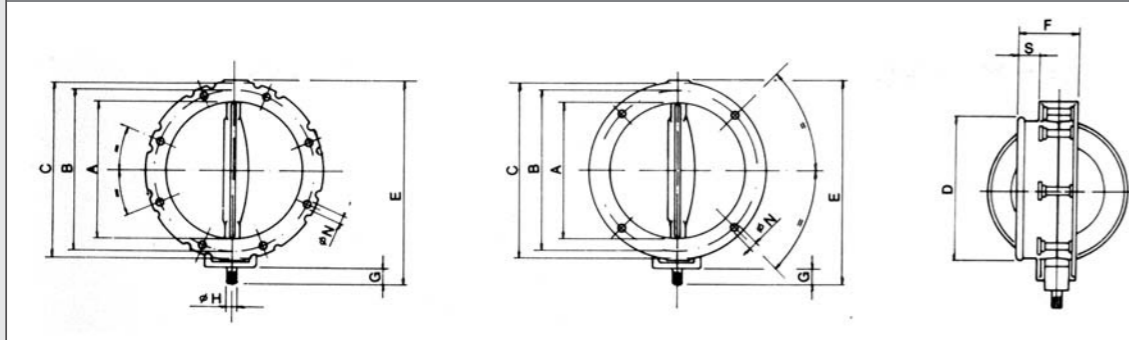
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MAHR GmbH

DIMENSIONAL DRAWINGS FOR BUTTERFLY VALVE
(WITHOUT DRIVE UNITS; BUTTERFLY VALVE WITH ONE FLANGE (F1))

Butterfly valve with one flange (F1)

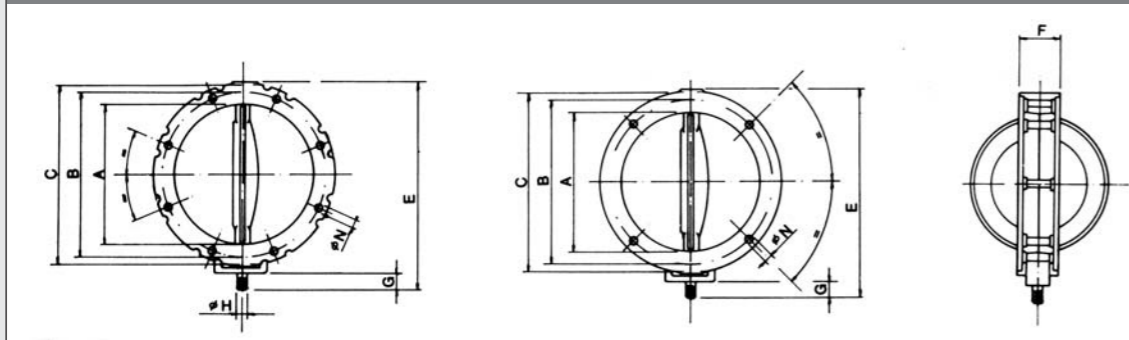


DIMENSIONS OF BUTTERFLY VALVE (WITHOUT DRIVE UNITS; BUTTERFLY VALVE WITH ONE FLANGE (F1))

F1	A	B	C	D	E	F	G	DIN 5482 Ø H	Bore hole Ø d	S	numbers of hole n
F 1 - 150	150	200	228	170	295	115	35	22 x 19	14	40	4
F 1 - 200	200	250	278	220	345	115	35	22 x 19	14	40	4
F 1 - 250	250	300	328	275	395	115	35	22 x 19	14	40	8
F 1 - 250	300	350	378	325	445	115	35	22 x 19	14	40	8

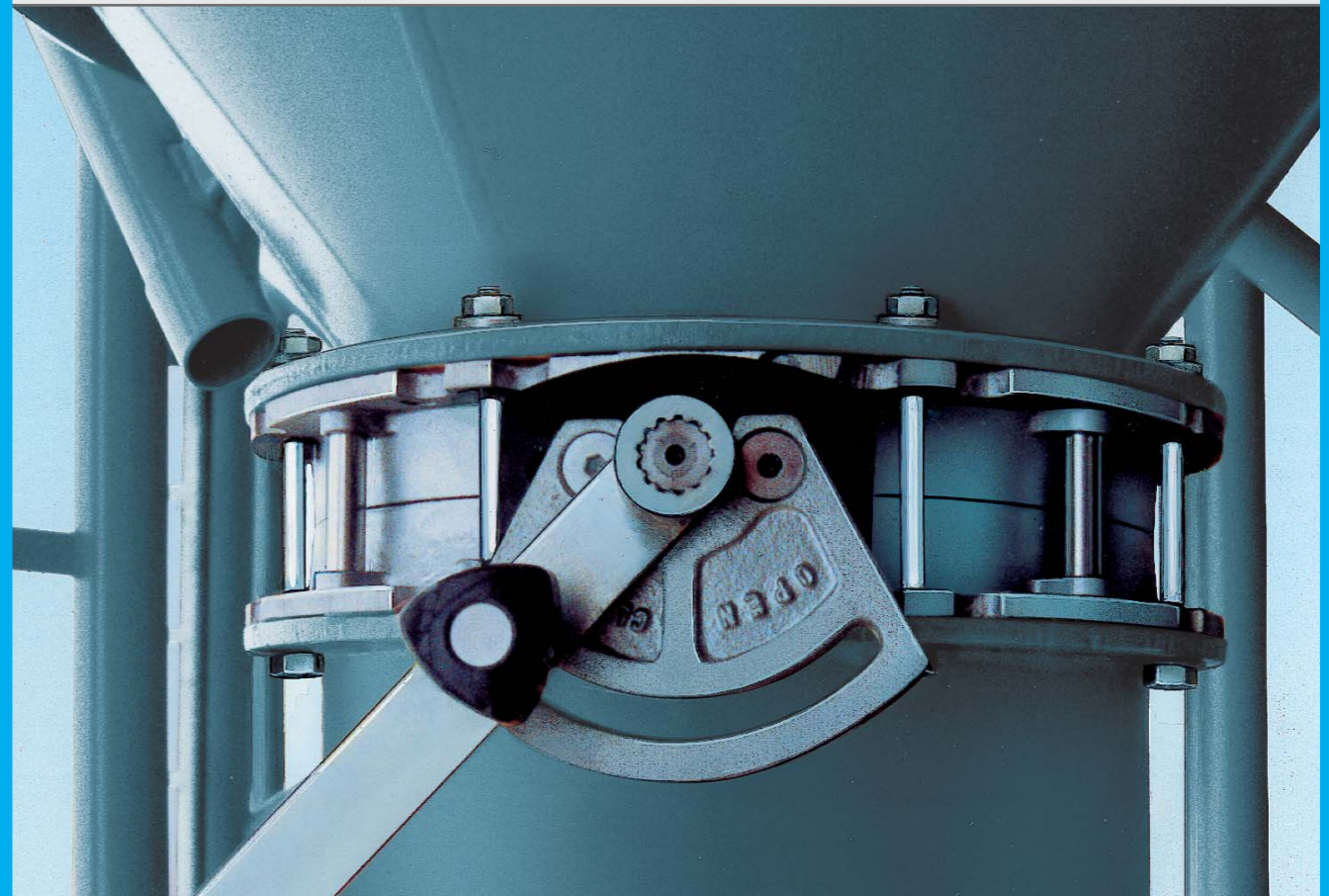
DIMENSIONAL DRAWINGS FOR BUTTERFLY VALVE (WITHOUT DRIVE UNITS;
BUTTERFLY VALVE WITH TWO FLANGES (F2))

Butterfly valve with one flange (F2)



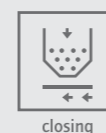
DIMENSIONS OF BUTTERFLY VALVE (WITHOUT DRIVE UNITS; BUTTERFLY VALVE WITH TWO FLANGES (F2))

F1	A	B	C	E	F	G	DIN 5482 Ø H	Bore hole Ø d	numbers of hole n
F 2 - 100	100	180	220	285	77	35	22 x 19	14	4
F 2 - 150	150	200	228	295	77	35	22 x 19	14	4
F 2 - 200	200	250	278	345	77	35	22 x 19	14	4
F 2 - 250	250	300	328	395	77	35	22 x 19	14	8
F 2 - 300	300	350	378	445	77	35	22 x 19	14	8
F 2 - 350	350	400	440	495	85	50	28 x 25	14	8
F 2 - 400	400	470	530	585	85	50	28 x 25	14	8



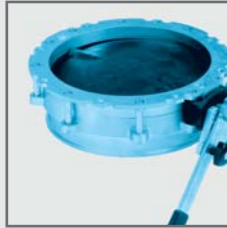
Butterfly Valve

For troublefree dosing of all types of bulk goods
to be discharged from silos and bunkers



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BUTTERFLY VALVE



AREAS OF APPLICATION:

Easy to use, robust components to be used under a variety of conditions:

Butterfly valve with one flange (F1):
For applications requiring flexible connection to subsequent elements (via rubber or fabric sleeve).
To be used, for example, between silo and scale, sieving machine etc.

Butterfly valve with two flanges (F2):
For applications requiring force-fit connection to subsequent elements.
To be used, for example, between silo and screw conveyor, rotary valve etc.

For both basic units, three operation modes are available:

- a. Electric-pneumatic drive
- b. Gear motor drive
- c. Manual operation

MATERIAL / LAYOUT:

Body: cast aluminium
Valve plate: GG with neoprene-rubber coating
Shaft extension: C 40 with self-lubricating plastic bushes that do not get in touch with the product

F1: flange on one side + sleeve connector
F2: flanges on both sides

a. Electric-pneumatic drive:
EP 80 - EP 100 - EP 125 = piston diameter

b. Gear motor drive:
Gear motor: Size GM2: 0,55 kW
Gear motor: Size GM2: 0,75 kW

c. Manual operation:
H2: Hand lever 300 mm long
H3: Hand lever 500 mm long

Change of operation mode quickly and easily possible.

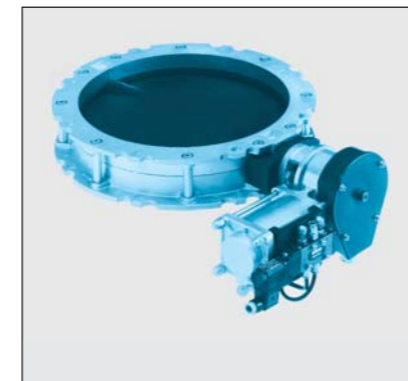
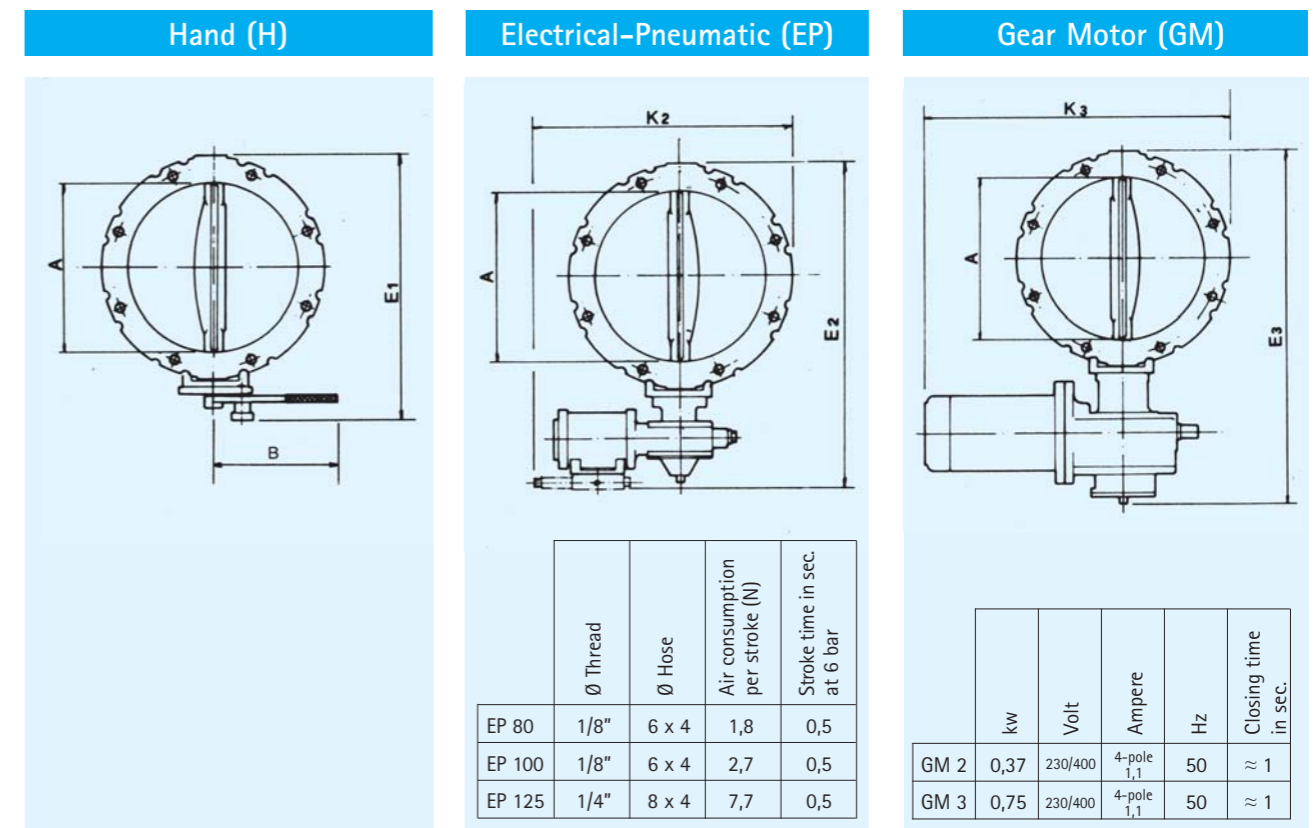
TECHNICAL DATA:

Dust-proof: alternatively pressure-tight up to 0,2 bar
Sealing ring: nitrile rubber (NBR black), temperature-resistant between - 30 °C and +130 °C, not to be used for foodstuff

ADVANTAGES:

- physical properties: Very resistant against oils, and heat
- mechanical properties: very flexible, hardly deformable, very low gas permeability
- chemical properties: resistant against mineral oils, hydrocarbonate, water, steam, gases and vegetable oils

DIMENSIONAL DRAWINGS FOR BUTTERFLY VALVE (INCL. DRIVE UNITS)



DIMENSIONS OF BUTTERFLY VALVE (INCL. DRIVE UNITS)

Basic unit	H			EP 80		EP 100		EP 125		GM 2		GM 3	
	A	E ₁	B	E ₂	K ₂	E ₂	K ₂	E ₂	K ₂	E ₃	K ₃	E ₃	K ₃
F 1 - 100	100	310	300	390	340	-	-	-	-	425	330	-	-
F 1 - 150	150	320	300	400	345	-	-	-	-	435	335	-	-
F 1 - 200	200	370	300	450	370	-	-	-	-	485	355	-	-
F 1 - 250	250	420	300	500	395	-	-	-	-	535	375	-	-
F 1 - 300	300	470	300	-	-	560	420	-	-	585	400	-	-
F 2 - 100	100	310	300	390	340	-	-	-	-	425	330	-	-
F 2 - 150	150	320	300	400	345	-	-	-	-	435	335	-	-
F 2 - 200	200	370	300	450	370	-	-	-	-	485	355	-	-
F 2 - 250	250	420	300	500	395	-	-	-	-	535	375	-	-
F 2 - 300	300	470	300	-	-	560	420	-	-	585	400	-	-
F 2 - 350	350	505	500	-	-	-	-	645	530	-	-	655	580
F 2 - 400	400	595	500	-	-	-	-	735	575	-	-	745	620