RECTANGLAR DAMPER
TYPE MV-PKP

- rectangular butterfly valves are sued for shutting-off or adjusting the flow of air or process gases,
- lamellar sealing suitable for dusty gases,
- possibility of customising flange drilling, face to face length and a number of wings,
- standard shaft working position: horizontal (available versions with a shaft positioned vertically),
- leakage rate up to 0.1% Kvs (available with sealing ensuring 100% tightness),
- butterfly valve is used in power generation, chemical, petrochemical, metallurgical, mining, cement, paper and sugar industries.

TECHNICAL DATA

Flange drilling:	based on DIN 24193, etc. Preparation for welded joints or other connections available on special order
Nominal diameter:	customisable
Temperature range:	from -40°C to 1100°C - depending on material
Actuator:	electric, pneumatic, hydraulic, hand actuator
Actuator adaption:	ISO 5211 or other
Working pressure:	Up to 0,5 bar relative. Versions above 0,5 bar made to special orders

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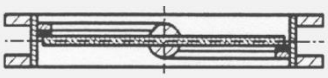
Rectangular damper type MV-PKP

Inside leakage rate			
1		Without landing bar	≤5% Kvs
2		With landing bar	≤0,5% Kvs
3		With landing bar and soft sealing	≤0,1% Kvs
4		With lamellar sealing	≤0,5% Kvs
5		With lamellar sealing and slanted seat	≤0,1% Kvs

Materials:
carbon steel
boiler steel
stainless steel
creep resistant and heat resistant steel
other materials available on special order

Corrosion resistance:
primer paint
zinc planting or hot-dip galvanization
high temperature resistance coating
abrasion resistance coating
etching and passivation (stainless steels)
etc.

Shaft sealing:
graphite
ceramic
Teflon
air sealing system
other sealing types available depending on medium and temperature

We can provide customised solutions meeting special requirements.

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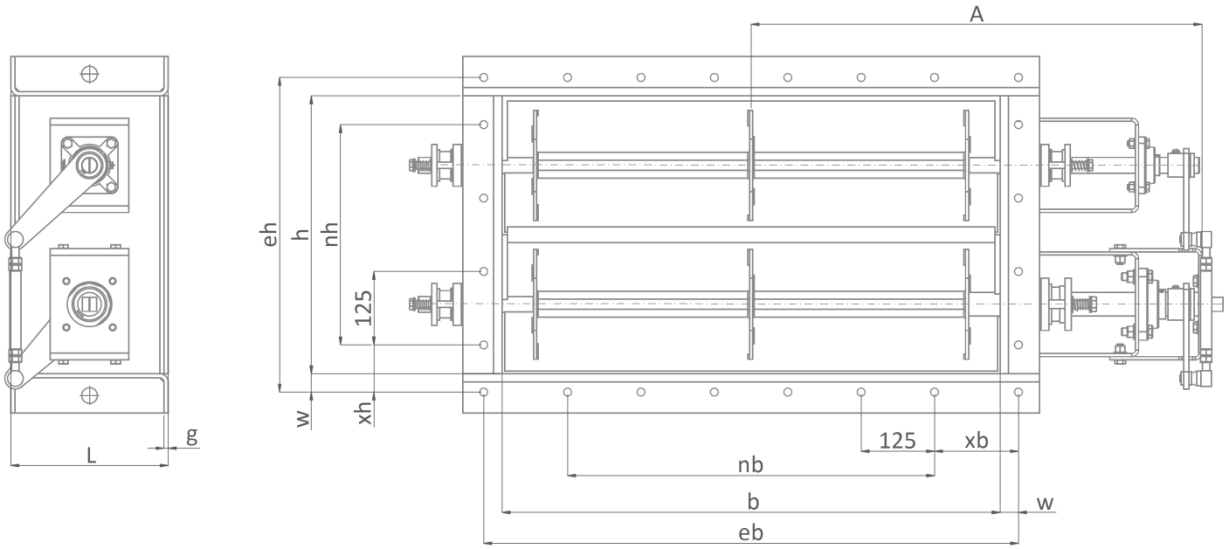
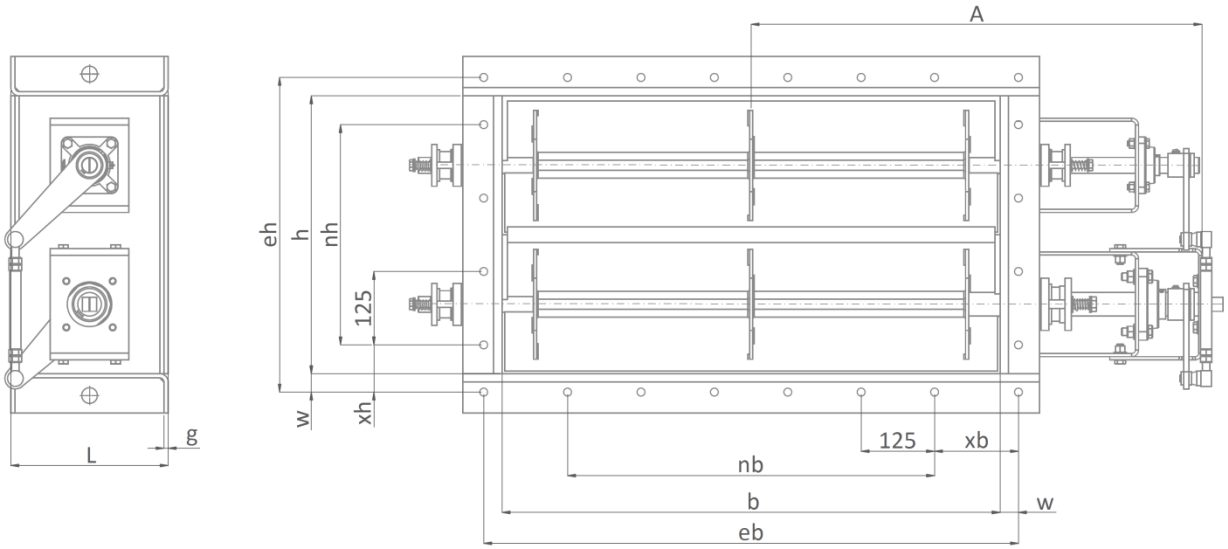


Design dimensions of square butterfly valves based on DIN 24 193-3

DN [mm]	Dimension bxh [mm]	Dimension ebxeh [mm]	Dimension xb/xh [mm]	Division number nb/nh	Number of holes neb/neh	Routing dimension [mm]	Size of blots	Diameter of bolt hole [mm]	Flange thickness* g [mm]	Length* A[mm]	Face to face* L [mm]
200	202x202	236x236	118/118	-	3/3	17	M8	10	8	415	160
250	252x252	286x286	143/143	-	3/3	17	M8	10	8	445	160
300	302x302	336x336	105,5/105,5	1/1	4/4	17	M8	10	8	465	160
355	357x357	391x391	133/133	1/1	4/4	17	M8	10	8	495	160
400	402x402	436x436	155,5/155,5	1/1	4/4	17	M8	10	8	525	200
450	452x452	512x512	68,5/68,5	3/3	66	30	M12	15	10	545	200
500	502x502	562x562	93,5/93,5	3/3	6/6	30	M12	15	10	575	200
600	602x602	662x662	143,5/143,5	3/3	6/6	30	M12	15	10	630	200
710	712x712	772x772	73,5/73,5	5/5	8/8	30	M12	15	10	680	200
800	802x802	862x862	118,5/118,5	5/5	8/8	30	M12	15	10	725	200
900	902x902	962x962	168,5/168,5	5/5	8/8	30	M12	15	10	795	200
1000	1002x1002	1062x1062	93,5/93,5	7/7	10/10	30	M12	15	10	845	200
1250	1252x1252	1322x1322	98,5/98,5	9/9	12/12	35	M16	19	12	965	200
1400	1402x1402	1472x1472	173,5/173,5	9/9	12/12	35	M16	19	12	1045	300
1600	1602x1602	1692x1692	158,5/158,5	11/11	14/14	45	M20	24	14	1150	300
1800	1802x1802	1892x1892	133,5/133,5	13/13	16/16	45	M20	24	14	1250	300
2000	2002x2002	2092x2092	108,5/108,5	15/15	18/18	45	M20	24	14	1390	300

* The length can vary depending on medium parameters and process conditions.
The valve design can be suited to individual customer requirements taking into account valve dimensions (diameter, flange drilling, flange thickness and face to face length) mounting arrangements and any other process requirements.

Rectangular damper type MV-PKP



Design dimensions of selected rectangular butterfly valves based on DIN 24 193-3

DN [mm]	Dimension bxh [mm]	Dimension ebxeh [mm]	Dimension xb/xh [mm]	Division number nb/nh	Number of holes neb/neh	Routing dimension [mm]	Size of blots	Diameter of bolt hole [mm]	Flange thickness* g [mm]	Length* A[mm]	Face to face* L [mm]
200x300	202x302	236x336	118/105,5	-/1	3/4	17	M8	10	8	465	160
250x350	252x357	286x391	143/133	-/1	3/4	17	M8	10	8	495	160
300x400	302x402	336x436	105,5/155,5	1/1	4/4	17	M8	10	8	525	160
355x400	357x402	391x436	133/155,5	1/1	4/4	17	M8	10	8	525	160
400x500	402x502	436x562	155,5/93,5	1/3	4/6	17	M8	10	8	575	200
450x600	452x602	512x662	68,5/143,5	3/3	6/6	30	M12	15	10	630	200
500x800	502x802	562x862	93,5/118,5	3/5	6/8	30	M12	15	10	725	200
600x800	602x802	662x862	143,5/118,5	3/5	6/8	30	M12	15	10	725	200
600x1000	602x1002	662x1062	143,5/93,5	3/7	6/10	30	M12	15	10	845	200
710x900	712x902	772x962	73,5/168,5	5/5	8/8	30	M12	15	10	795	200
500x1000	502x1002	562x1062	93,5/93,5	3/7	6/10	30	M12	15	10	845	200
800x1000	802x1002	862x1062	118,5/93,5	5/7	8/10	30	M12	15	10	845	200
1250x1400	1252x1402	1322x1472	98,5/173,5	9/9	12/12	35	M16	19	12	1045	200
1000x1600	1002x1602	1072x1692	93,5/158,5	7/11	10/14	35	M16	19	12	1150	300
1250x1800	1252x1802	1342x1892	98,5/133,5	9/13	12/16	45	M20	24	14	1250	300
1400x2000	1402x2002	1492x2092	173,5/108,5	9/15	12/18	45	M20	24	14	1390	300
1600x2000	1602x2002	1692x2092	158,5/108,5	11/15	14/18	45	M20	24	14	1390	300

* The length can vary depending on medium parameters and process conditions.
The valve design can be suited to individual customer requirements taking into account valve dimensions (diameter, flange drilling, flange thickness and face to face length) mounting arrangements and any other process requirements.

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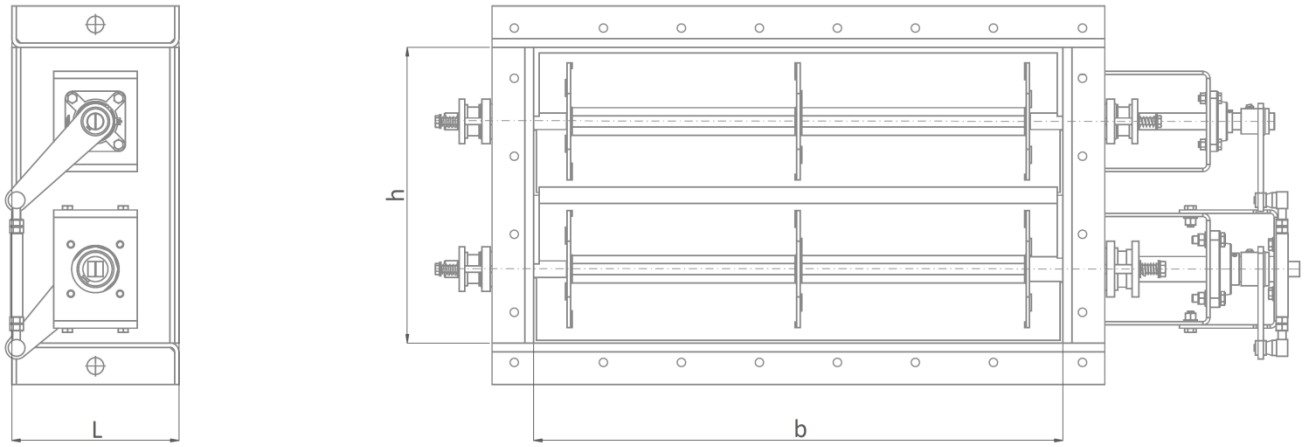
Order form



Dimensions**:

Width b = ...
Height h = ...
Face to face L = ...

Flange drilling*:

DIN 24193-3 / other

Type of actuator*:

Manual / Pneumatic / Electrical/ Hydraulic

Position of the shaft*:

Horizontal / Vertical

Tightness:

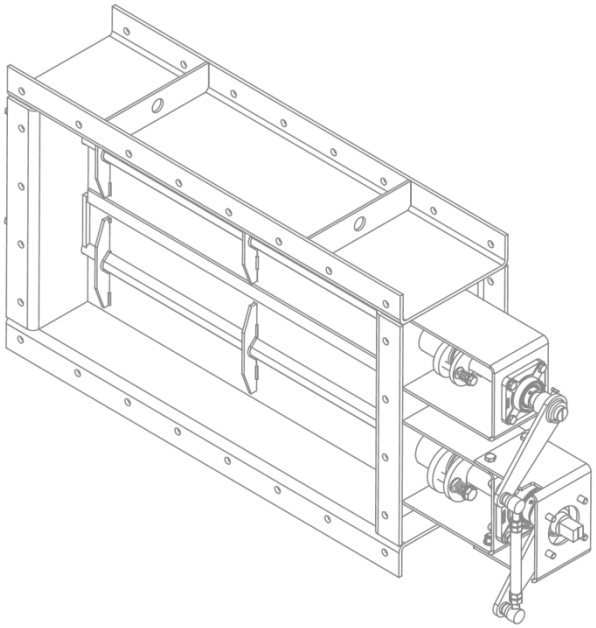
Leakage rate ..... % Kvs

Medium:

.....

.....

Max. working temperature ..... °C
Working pressure ..... bar/kPa*



* delete as appropriate
** only in the case of non-standard implementations

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