

Mechanical Pinch Valves type OV



Safety regulated . . .

 **Mechanical Pinch Valves:**
Valve solution for isolation and regulation

Even larger solid particles are shut off by the sleeve, which is particularly resistant to abrasion and corrosion, hence shut off without leaks.

Actuator variants:

Actuator variants available include manual actuation by means of a hand wheel or the automatic variant with double or single-acting pneumatic cylinders.

Mechanical Pinch Valves

 **The valve solution for abrasive, corrosive and fibrous products, granulates, powders and slurries.**

Valve function:

The manual valve is closed with handwheel.

The pneumatic valve is normally spring closed, air to open.

Furthermore a pinch valve with double acting cylinders is available.

Advantages:

- free passage
- hermetic closing
- optimum tightness
- no plugging
- easy maintenance

Safety function in the event of loss of energy/air of type PA/PA2

Construction:

Body and actuator aluminium, sleeves in various materials (e.g. natural rubber anti-abrasive, EPDM, neoprene)

Maintenance:

The sleeves and other parts can be replaced easily

Body:

Aluminium

Sleeves:

Natural rubber or synthetic elastomers (i.e. nitrile, neoprene, EPDM)

Flange dimensions:

Acc. UNI 2223 DIN PN10/16

Industrial areas:

- Pneumatic conveying systems
- Cement and fibrocement
- Pigment and granulates
- Ceramics-, glass-, plastic industry
- Sewage water and mud industry
- Marble- and granite industry etc
- Tannery

Technical details subject to change without notice.

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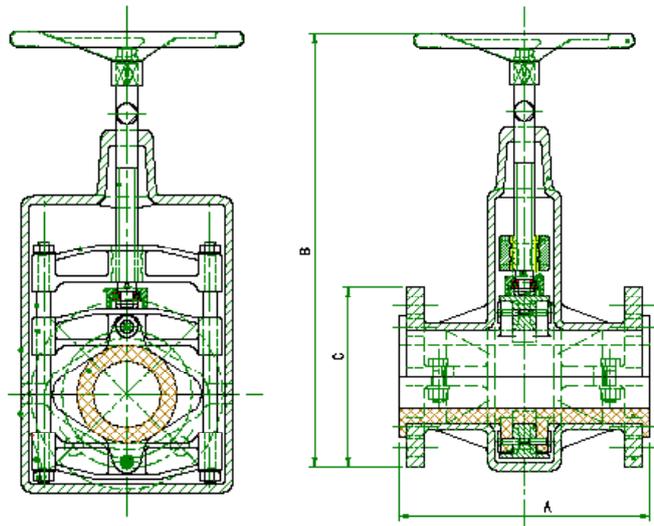
Mechanical Pinch Valves

OV series - type M

▲ Pinch Valve with handwheel

Operation: Manual with handwheel

Opening/ closing mechanism: DN 15-50mm: single acting
DN 65-250mm: double acting



OV-M DN 15-250

DN	A	B	C	screws	TK* (mm)	d* (mm)	PS max (bar)	weight (kg)
15	162	195	95	4	65	14	5	1,8
20	162	210	105	4	75	14	5	1,9
25	196	225	115	4	85	14	5	2,7
32	196	250	140	4	100	18	5	3,0
40	216	285	150	4	110	18	5	4,0
50	246	300	165	4	125	18	5	5,0
65	256	445	185	4	145	18	5	11,5
80	276	490	200	4	160	18	5	13,0
100	316	530	220	8	180	18	5	17,0
125	325	670	250	8	210	18	3	25,5
150	325	790	285	8	240	22	3	30,0
175	355	900	315	8	270	22	3	45,0
200	370	850	340	8	295	22	3	45,0
250	524	1090	395	12	350	22	2	80,0

* = Flange connection: TK= pitch circle / d = bolt holes

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Mechanical Pinch Valves

OV series - type PA/PA2

▲ Pinch Valve with pneumatic actuator

The valve is normally spring closed, air to open. (one/two single acting pneumatic cylinder)

Body+actuator: Aluminium

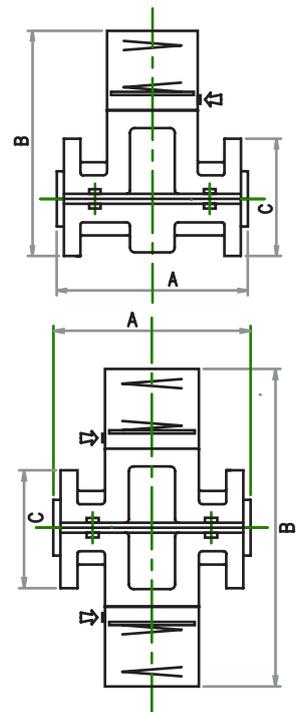
Accessories: Solenoid valve, pressure regulators, limit switches



OV-PA/PA2 DN 15-200

DN	A	B	C	screws	TK* (mm)	d* (mm)	PS max (bar)	weight (kg)	type
15	162	285	95	4	65	14	5	3,8	PA
20	162	300	105	4	75	14	5	4,0	PA
25	196	360	115	4	85	14	5	5,0	PA
32	196	380	140	4	100	18	5	5,5	PA
40	216	440	150	4	110	18	3	11,0	PA
50	246	450	165	4	125	18	3	12,0	PA
65	256	650	185	4	145	18	3	20,0	PA2
80	276	830	200	4	160	18	3	40,0	PA2
100	316	860	220	8	180	18	3	42,0	PA2
125	325	1040	250	8	210	18	3	58,0	PA2
150	325	1080	285	8	240	22	3	62,0	PA2
200	370	1200	340	8	295	22	2	95,0	PA2

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Mechanical Pinch Valves

OV series - type P/P2

▲ Pinch Valve with pneumatic actuator

The valve is pneumatically operated with one / two pneumatic cylinder (double acting).

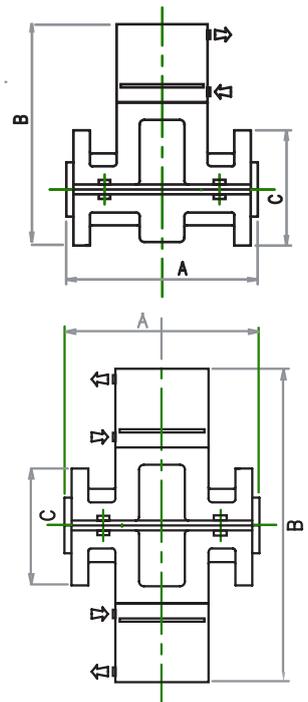
Body+actuator: Aluminium

Accessories: Solenoid valve, pressure regulators, limit switches



OV-P/P2 DN 15-250

DN	A	B	C	screws	TK* (mm)	d* (mm)	PS max (bar)	weight (kg)	type
15	162	195	95	4	65	14	5	2,5	P
20	162	200	105	4	75	14	5	2,7	P
25	196	240	115	4	85	14	5	3,5	P
32	196	250	140	4	100	18	5	3,6	P
40	216	320	150	4	110	18	5	7,0	P
50	246	330	165	4	125	18	5	7,5	P
65	256	440	185	4	145	18	5	15,0	P2
80	276	580	200	4	160	18	5	30,0	P2
100	316	600	220	8	180	18	5	33,0	P2
125	325	750	250	8	210	18	5	45,0	P2
150	325	800	285	8	240	22	5	50,0	P2
200	370	920	340	8	295	22	4	84,0	P2
250	524	1090	395	12	350	22	2	160,0	P2



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