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Piston rod cylinders, Series 102

- Ø 60 mm
- Ports G 1/4
- Single-acting, retracted without pressure
- Piston rod External thread
- fine thread

Compressed air connection	Internal thread
Working pressure min./max.	2 ... 8 bar
Ambient temperature min./max.	-20 ... 70 °C
Medium temperature min./max.	-20 ... 70 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Pressure for determining piston forces	6 bar
Weight	See table

Technical data

Piston Ø Piston rod thread Ports	60 mm M12x1,25 G 1/4	85 mm M12x1,25 G 1/4	250 mm M24x2 G 1/2
Stroke 80	1022100000	1022200000	-
100	-	-	1022300000

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Tolerance at 40 mm , 50 mm , 80 mm stroke: ± 3 mm
Tolerance at 100 mm stroke: + 6 mm /- 1 mm

Technical information

Material	
Cylinder tube	Steel
Piston rod	Steel
Front cover	Steel
Seal	Acrylonitrile butadiene rubber

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Dimensions

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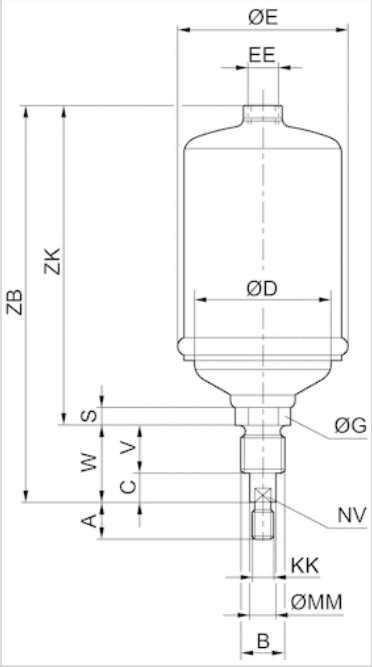

Dimensions

Piston Ø	A	B	C	D	E	G	S	V	W	EE	KK	MM	NV	ZB	ZK
60 mm	24	M 24	11	54	66	30	18	30	41	G 1/4	M12x1,25	14	12	222	181
85 mm	24	M24	11	77	93	30	18	30	41	G 1/4	M12x1,25	14	12	222	181
250 mm	48	M48x3	20	56	268	50	33	40	60	G 1/2	M24x2	28	25	385	325

Weight [kg]

Piston Ø	S	Weight kg
60 mm	80 mm	1 kg
85 mm	80 mm	1,5 kg
250 mm	100 mm	22,2 kg

S = stroke