Mini cylinder, Series ICM

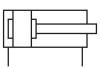
R402001223

- Ø 8 ... 32 mm
- Max. stroke: 400 mm •
- corrosion-resistant
- · Suitable for us in food processing

AVENTICS Series ICM Mini cylinders

The AVENTICS Series ICM is a mini cylinder and costefficient solution for high corrosion resistance and reliability - even in harsh environments. The cylinder tube and piston rod are made of stainless steel, the cylinder covers are fashioned from a high-quality polymer.





Industrial
25 mm
60 mm
G 1/8
Double-acting
Elastic cushioning
Piston without magnet
Industry standard suitable for use in food processing
External thread
M10x1,25
single
Standard Industry Scraper
6,3 bar
260 N
309 N
-20 °C
70 °C
2 bar
10 bar



Mini cylinder, Series ICM

R402001223

Weight 0 mm stroke	0.1 kg
Weight +10 mm stroke	0.014 kg
Stroke max.	400 mm
Medium	Compressed air
Min. medium temperature	-20 °C
Max. medium temperature	70 °C
Max. particle size	50 µm
Min. oil content of compressed air	0 mg/m³

Material

Piston rod Scraper material Seal material Material, front cover Cylinder tube End cover Connection thread Nut for cylinder mounting Nut for piston rod Part No. Stainless Steel Polyurethane Acrylonitrile butadiene rubber Polyoxymethylene Stainless Steel Polyoxymethylene Stainless Steel Polyamide Stainless Steel R402001223

Technical information

Nut MR3 included in supply

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

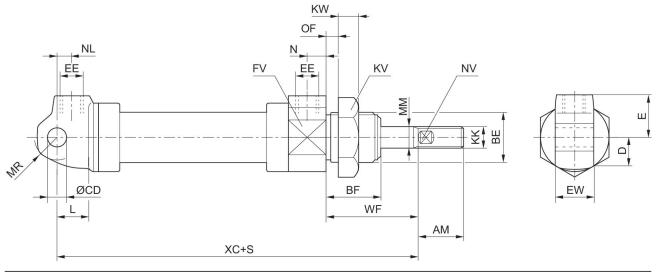
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in https://www.emerson.com/en-us/support).



Mini cylinder, Series ICM

R402001223

Dimensions



S = stroke

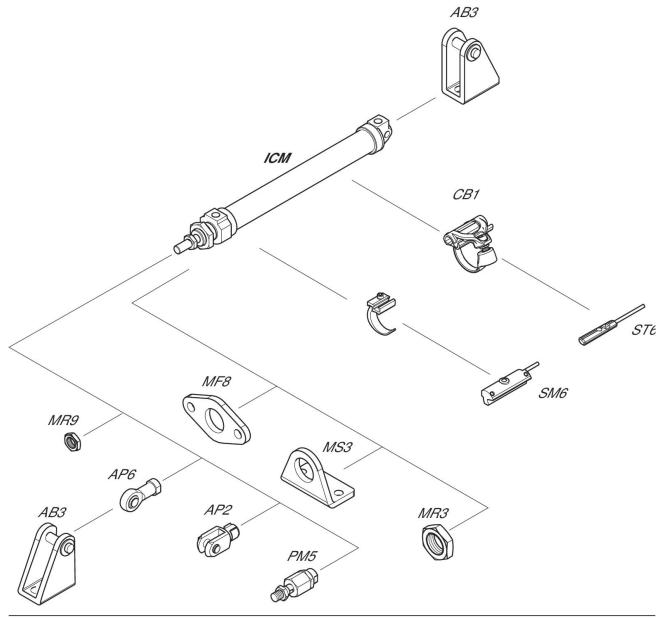
Piston Ø	AM +0/-2	BE	BF	CD H11	D	E	EE	EW d13	FV
8	12	M12x1,25	14	4	7.5	12	M5	8	14
10	12	M12x1,25	14	4	8	12	M5	8	16
12	16	M16x1,5	20	6	10	13.5	M5	12	20
16	16	M16x1,5	20	6	12	14	M5	12	24
20	20	M22x1,5	22	8	15	18	G1/8	16	30
25	27	M22x1,5	22	8	17	18	G1/8	16	34
32	32	M30x1,5	29	10	22.5	24	G1/8	26	46
Piston Ø	KK	KV	KW	L	MM	MR	N	NL	NV
8	M4	17	7	7	4	5	5	12	3
10	M4	17	7	7	4	5	5	12	3
12	M6	24	7	9	6	7.5	5	7	4
16	M6	24	7	9	6	7.5	5	6	4
20	M8	30	8	12	8	10	8	7	6
25	M10x1,25	30	8	12	10	10	8	6.5	8
32	M10x1,25	41	11	13	12	15	10	10.5	11

Piston Ø	OF max.	WF ±1,2	XC ±1
8	4.5	16	64
10	4.5	16	64
12	10	22	62
16	10	22	58
20	10	24	73
25	10	23	72
32	14	38	98



R402001223

Overview drawing



NOTE: This overview drawing is only for orientation to indicate where the various accessory parts can be fastened to the cylinder. The illustration has been simplified for this purpose. It is thus not possible to derive the dimensions from this overview.

