Mini cylinder, Series ICM

R404009214

- 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
ISO 6432
32 mm
400 mm
G 1/8
Double-acting
Elastic cushioning
Piston with magnet
Industry standard suitable for use in food processing
External thread
M10x1,25
single
Standard Industry Scraper
6,3 bar
435 N
506 N
-20 °C
70 °C
1 bar



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Max. working pressure	10 bar
Weight 0 mm stroke	0.26 kg
Weight +10 mm stroke	0.022 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	Stainless Steel
Scraper material	Polyurethane
Seal material	Acrylonitrile butadiene rubber
Material, front cover	Polyoxymethylene
Cylinder tube	Stainless Steel
End cover	Polyoxymethylene
Connection thread	Stainless Steel
Nut for cylinder mounting	Polyamide
Nut for piston rod	Stainless Steel
Part No.	R404009214

Technical information

Nut MR3 included in supply

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

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

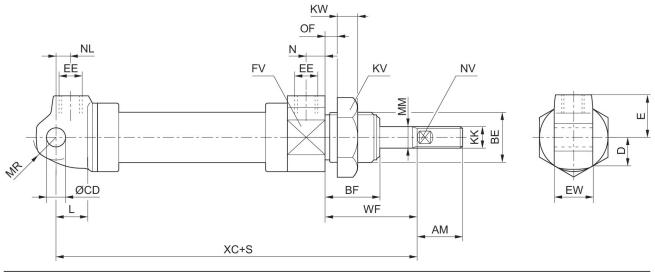
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in https://www.emerson.com/en-us/support).



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Dimensions



S = stroke

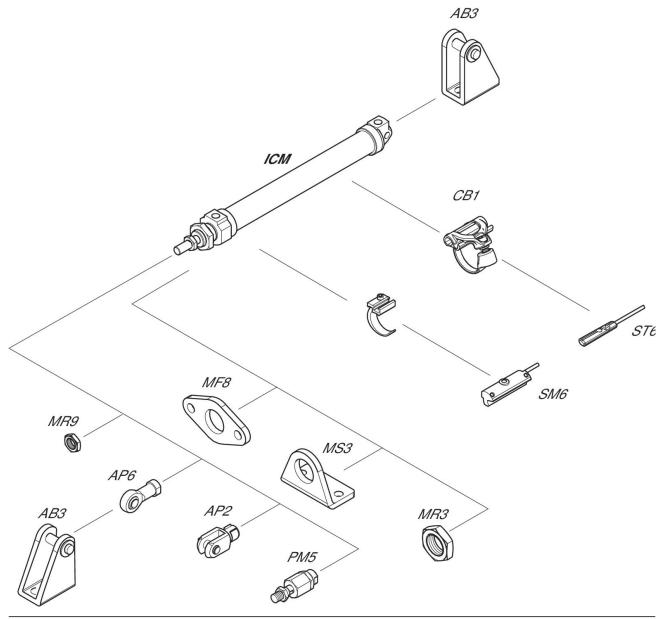
Piston Ø	AM +0/-2	BE	BF	CD H11	D	E	EE	EW d13	FV
12	16	M16x1,5	20	6	10	13.5	M5	12	20
16	16	M16x1,5	20	6	12	14	M5	12	24
20	20	M22x1,5	22	8	15	18	G 1/8	16	30
25	27	M22x1,5	22	8	17	18	G 1/8	16	34
32	32	M30x1,5	29	10	22.5	24	G 1/8	26	46
Piston Ø	KK	KV	KW	L	MM	MR	N	NL	NV
12	M6	24	7	9	6	7.5	5	7	4
16	M6	24	7	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						
12	10	22	75						

12	10	22	75
16	10	22	82
20	10	24	95
25	10	23	104
32	14	38	128



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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.

