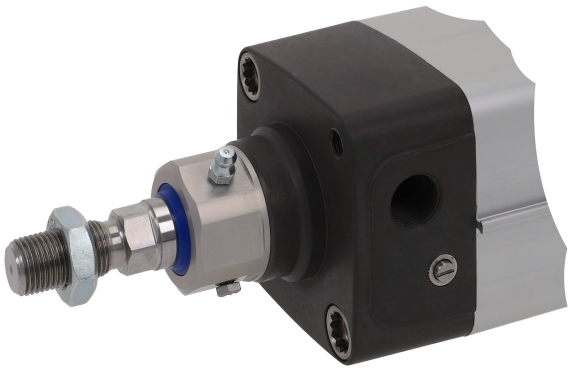
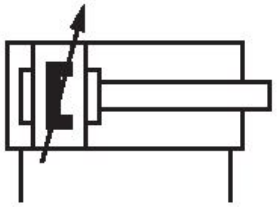
ISO 15552, series CCL-IS

R481609751

General series information
AVENTICS Series CCL-IS Standard cylinders (ISO 15552)

- The CCL-IS (Cylinder Clean Line - ISO Standard) series cylinders complement the PRA series in the area of hygienic design and meet all requirements for use in the food sector. A special feature is the option to configure the air connections for supply and exhaust on just the base, which increases flexibility when designing the system's tubing concept..
- Optional: through piston rod, dry-run scraper, modular scraper system, lube unit, heat-resistant, especially high corrosion resistance, ATEX





Technical data

Industry	Industrial
Standards	ISO 15552
Type	with front lube unit for constant lubrication of the piston rod
Piston Ø	63 mm
Stroke	250 mm
Ports	G 3/8
Functional principle	Double-acting
Cushioning	Pneumatic adjustable cushioning
Magnetic piston	Piston with magnet
Environmental requirements	Industry standard suitable for use in food processing High corrosion
Piston rod	single
Cylinder special features	Front Lube Unit

Scraper	Front Lube Unit
Pressure for determining piston forces	6,3 bar
Retracting piston force	1766 N
Extracting piston force	1964 N
Min. ambient temperature	-20 °C
Max. ambient temperature	80 °C
Working pressure min.	1.5 bar
Working pressure max	10 bar
Piston rod thread	M16x1,5
Cushioning length	16.5 mm
Cushioning energy	27 J
Weight 0 mm stroke	1.88 kg
Weight +10 mm stroke	0.076 kg
Stroke max.	2500 mm
Medium	Compressed air
Min. medium temperature	-20 °C
Max. medium temperature	80 °C
Max. particle size	50 µm
Oil content of compressed air min.	0 mg/m³
Oil content of compressed air max.	5 mg/m³

Material

Piston rod	Stainless Steel
Scraper material	Polyester
Material tie-rod	Stainless Steel
Material, front cover	Aluminum
Cylinder tube	Aluminum
End cover	Aluminum
Part No.	R481609751

Technical information

Further options can be generated in the Internet configurator.

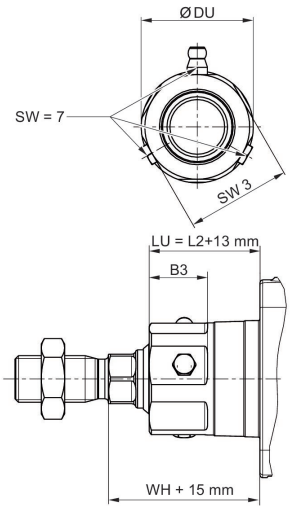
The following operating instructions can be found in the Media Center: R412019487

To maximize service life of the lube unit, refill the grease manually at recommended intervals.

Normal ambient conditions: 2x/year
Weekly cleaning of cylinder/system: 1x/month
Daily cleaning of cylinder/system: 1x/week

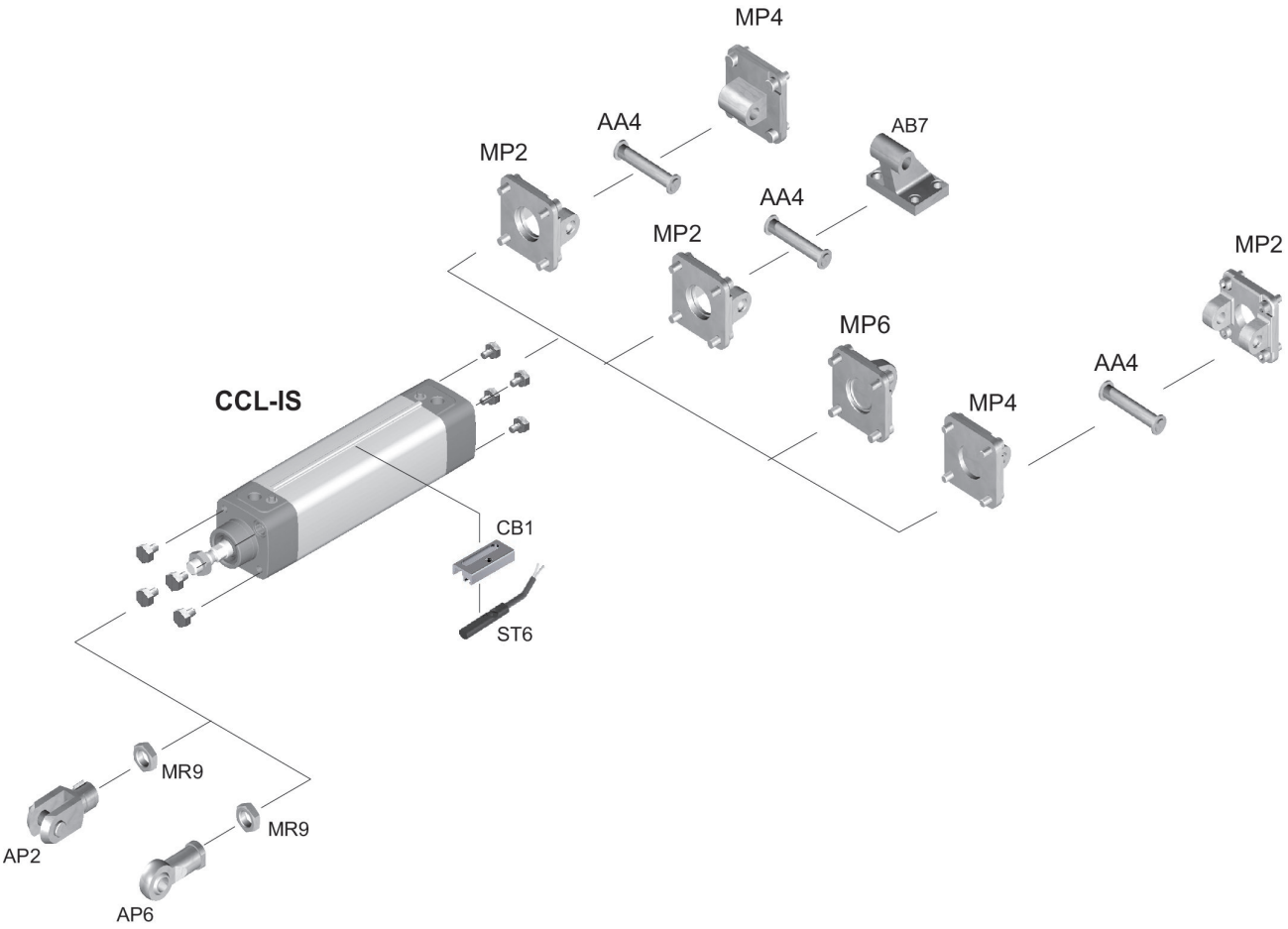
The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

Dimensions



Piston Ø	B3	Ø DU	LU	L2	SW3	WH
32	6	27.5	29.25	16.25	24	26 ±1.4
40	20	34	31.25	18.25	30	30 ±1.4
50	20	38.5	38	25	36	37 ±1.4
63	20	38.5	38	25	36	37 ±1.8
80	21	44	46	33	41	46 ±1.8
100	21	44	49	36	41	51 ±1.8
125	23	57	58	45	50	65 ± 2.2

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.