

ISO 15552, series CCL-IS

R481609763

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 | 80 mm |
| Stroke | 320 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 | 2857 N |
| Extracting piston force | 3167 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 | M20x1,5 |
| Cushioning length | 19.5 mm |
| Cushioning energy | 54 J |
| Weight 0 mm stroke | 3.41 kg |
| Weight +10 mm stroke | 0.081 kg |
| Stroke max. | 2800 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/m ³ |
| Oil content of compressed air max. | 5 mg/m ³ |

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. | R481609763 |

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.

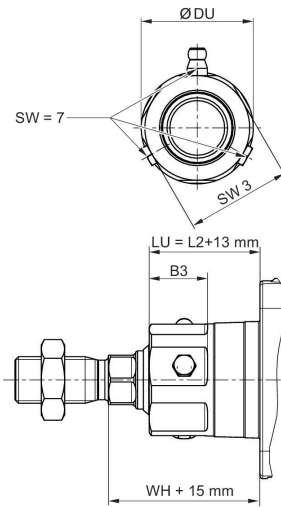
Normal ambient conditions: 2x/year

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.