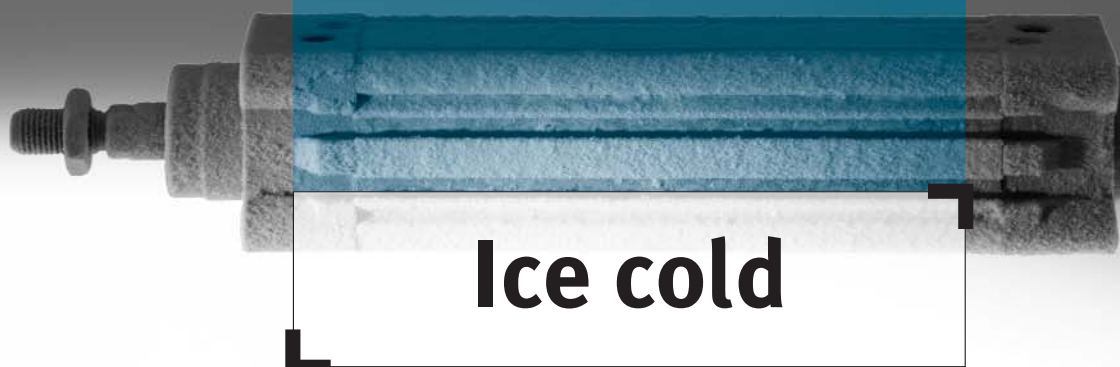


Standard cylinder DNC-TT to ISO 15552 for low temperatures

FESTO



Cylinder for cold environments: Temperatures of -40°C require the highest quality sealing materials and lubricants.

Reliable

Even in "arctic" climates down to -40°C , cylinders from Festo operate with high reliability. Conventional standard seals become embrittled and conventional lubricants become hard and lose their lubricating properties.

Modifications to the piston rod seal, the scraper ring and the cushioning, and the use of cold-resistant grease guarantee reliability at low temperatures.

Cost-effective

The standard drive DNC-TT is designed for ice-cold environments like cold-storage warehouses or any place where great temperature fluctuations close

to freezing (0°C) are to be expected. All cylinders for low temperatures operate trouble-free with the type SME-8 standard proximity switches in version S6 with a working range of -40°C to 120°C .

Flexible

However, the DNC-TT doesn't just specialise in cold temperatures. It is approved from -40°C to $+80^{\circ}\text{C}$ and so it offers an extremely wide operating range. In addition, Festo also offers, on request, compact or round cylinders for cold temperatures.



Ice cold

Down to -40°C

One-stop shopping

149.3.PSI →

Product Short Information

Standard cylinder DNC-TT to ISO 15552 for low temperatures

General features

- Dimensions, interfaces and peripheral equipment as with the standard DNC
- The low-temperature variant is available for all diameters (32 to 125 mm) of the DNC series
- Sensing via T-slot proximity sensors

Technical operating range

Perfect for all applications where standard drives are used in highly chilled environments like cold-storage warehouses or in environments with large temperature fluctuations close to freezing point (0°C).

Possible combinations of the DNC module

- PPV (pneumatic end position cushioning, standard)
- A (sensing)
- S2 (through piston rod)
- S20 (through, hollow piston rod)

- K2 (extended male thread)
- K3 (female thread)
- K5 (special thread)
- K8 (piston rod extension)
- R3 (increased corrosion protection)

Technical data	
Max. operating pressure	10 bar
Temperature range	-40°C to +80°C
Medium	<ul style="list-style-type: none"> • Filtered compressed air 40 µm • Pressure dew point less than -50°C
Sensing	<ul style="list-style-type: none"> • Proximity switch SME-8-K-24-S6 (approved from -40°C to 120°C)
Special features	<ul style="list-style-type: none"> • Special grease • Modified piston rod support • Special sealing • Reinforced scraper ring to combat frost or ice on the piston rod

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