## series NCT





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AVENTICS Series NCT non-contact transport systems make for a unique gripping experience: The floating suction pads in the NCT Series are masterful in sensitively handling delicate surfaces and difficult-to-grasp materials in a virtually non-contact and extremely gentle process. Handling with NCT is even possible with a large degree of perforation, contaminated, wet, and dusty surfaces, or soft materials.

 Virtually no contact required to lift and move objects and workpieces up to a weight of 1 kg





## Product overview

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### Non-contact transport system, Series NCT-AL

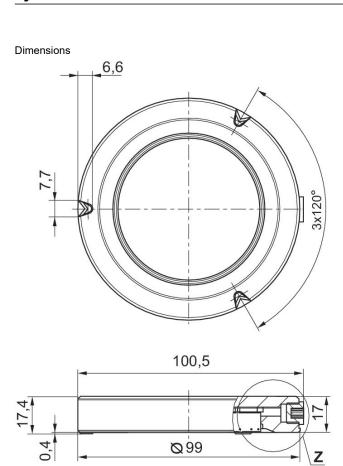
Compressed air connection type: Internal thread Min. ambient temperature: 5 °C Max. ambient temperature: 60 °C Min. working pressure: 1 bar Max. working pressure: 6 bar

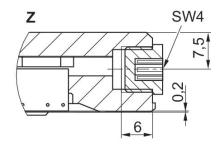


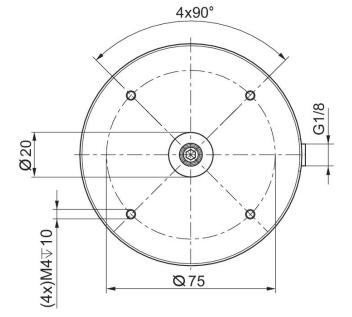


Compressed air con-nection	Lifting force at [[5] bar] [N]	Diameter [mm]	Material	Part No.
M5	2.5	20	Aluminum	R412010372
M5	4	30	Aluminum	R412010373
G 1/8	6.5	40	Aluminum	R412010374
G 1/8	13	60	Aluminum	R412010375
G 1/8	46	100	Aluminum	R412010640











### Principle of operation

∑ 10 ⊾

8

6

4

2

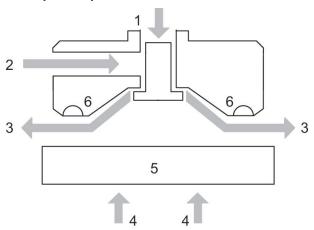
0

2

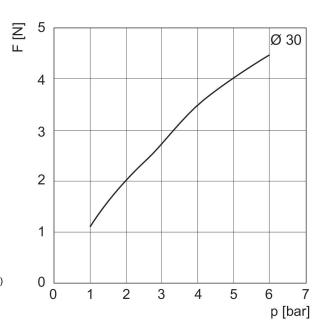
3

5

6

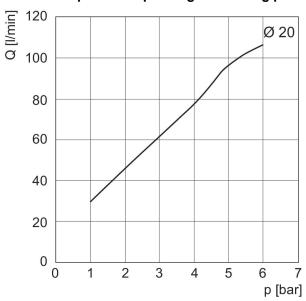


1) Compressed air connection 2) Alternative compressed air connection 3) Air flow 4) Lifting force 5) Object 6) Stop



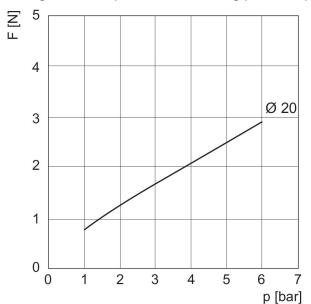
### Air consumption Q depending on working pressure p

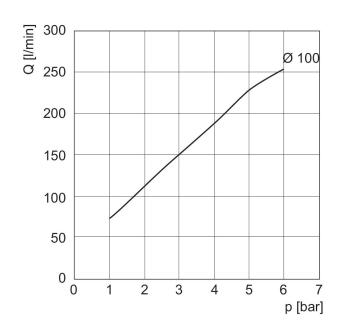


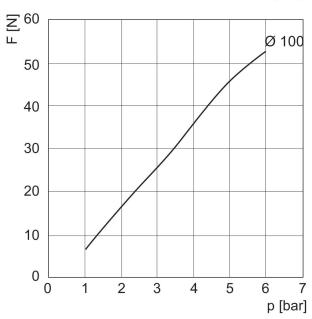


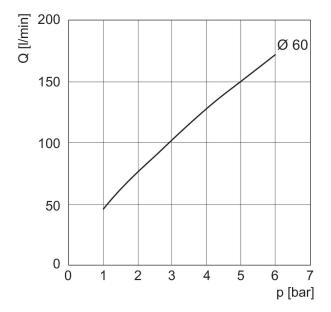


### Lifting force F dependent on working pressure p

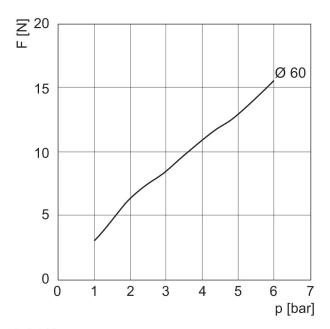


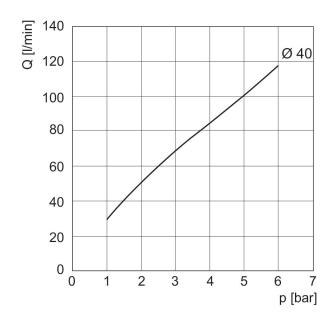


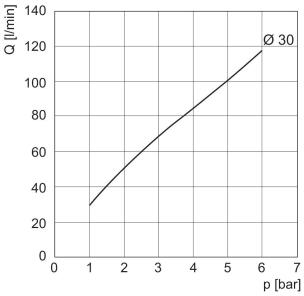














### Non-contact transport system, Series NCT-PK

Compressed air connection type: Internal thread

suitable for use in food processing: suitable for use in food processing Certificates: FDA conform

Certificates: FDA conform

Min. ambient temperature: 5 °C

Max. ambient temperature: 60 °C

Min. working pressure: 1 bar

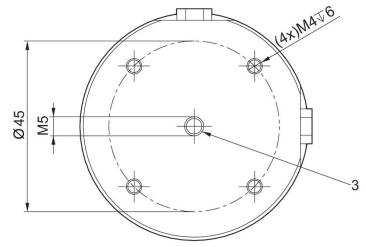
Max. working pressure: 7 bar



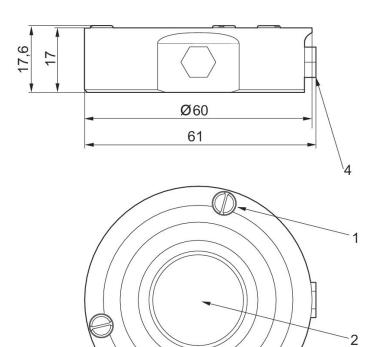


Compressed air con-nection	Lifting force at [[5] bar] [N]	Diameter [mm]	Material	Part No.
M5	2.5	20	Poly- etheretherke- tone	R412014866
M5	3	30	Poly- etheretherke- tone	R412014867
M5	5.5	40	Poly- etheretherke- tone	R412014868
M5	12	60	Poly- etheretherke- tone	R412014869





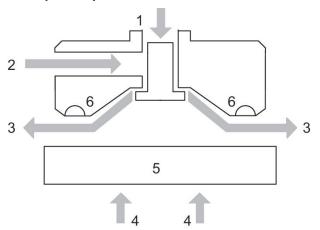






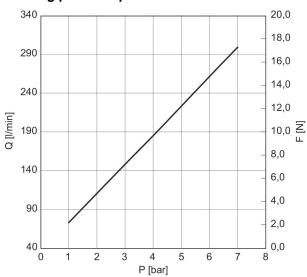


### Principle of operation

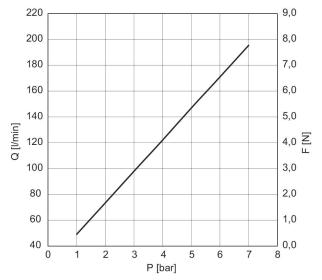


1) Compressed air connection 2) Alternative compressed air connection 3) Air flow 4) Lifting force 5) Object 6) Stop

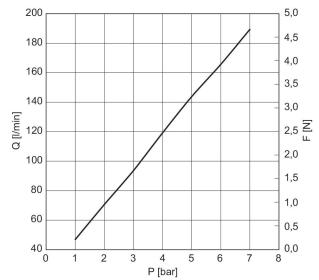
# Lifting force F and air consumption Q depending on working pressure p



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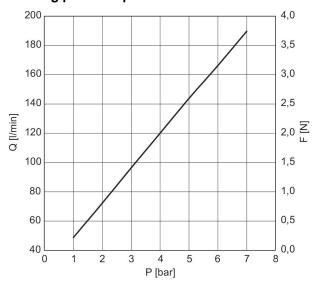


# Lifting force F and air consumption Q depending on working pressure p





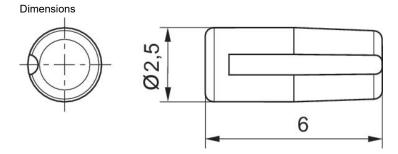
# Lifting force F and air consumption Q depending on working pressure p







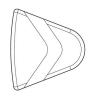
Туре	Scope of delivery [piece]	Part No.
NCT-AL Ø20/30	10	R412010376

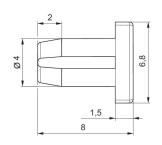


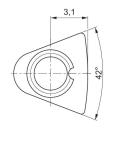




Туре	Scope of delivery [piece]	Part No.
NCT-AL Ø40/60/100	10	R412010377



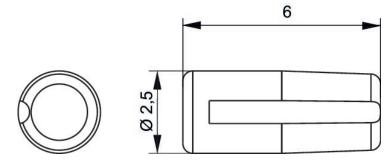








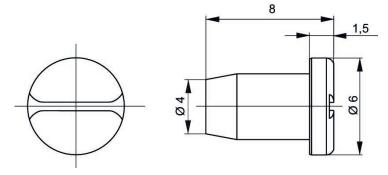
Туре	Scope of delivery [piece]	Part No.
NCT-PK Ø20	10	R412014872







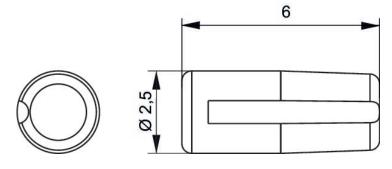
Туре	Scope of delivery [piece]	Part No.
NCT-PK Ø30, NCT-PK Ø40, NCT-PK Ø60	10	R412014873







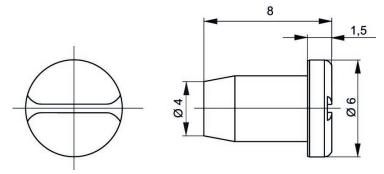
Туре	Scope of delivery [piece]	Part No.
NCT-PK Ø20	10	R412014876







Туре	Scope of delivery [piece]	Part No.
NCT-PK Ø30, NCT-PK Ø40, NCT-PK Ø60	10	R412014877





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