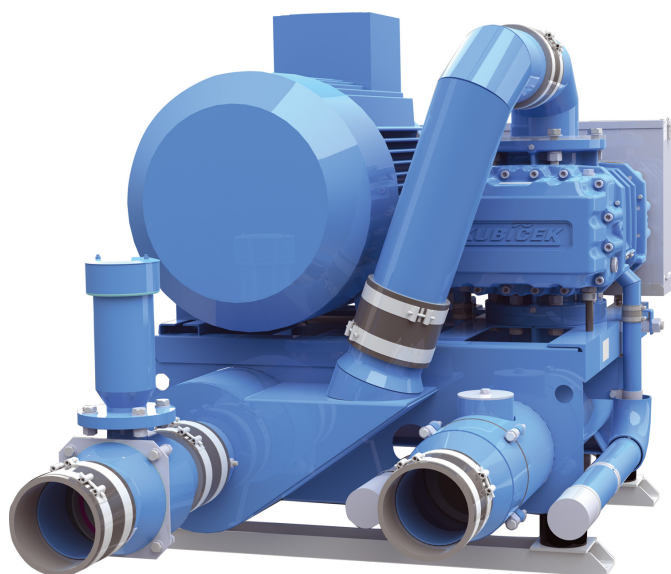


## Vacuum blower aggregates

As with the standard model, here are also available **21 sizes of ROOTs blowers to operate in vacuum mode at two levels.**



### APPLICATIONS:

- Pneumatic conveying
- Exhaustion and transport of non-explosive and nonaggressive gases
- Industrial central vacuum cleaners
- HVAC

### MAIN ADVANTAGES:

Total conception of arrangement of the aggregate is designed with emphasis on maximum reliability and functionality, easy checking, maintenance and accessibility of individual components of the unit in the acoustic cover

- Low operating costs
- User friendly design
- Minimum built up area
- Low noise
- Long service life
- Extra fast customer service
- Identical dimensions and connections as a standard overpressure units = cost reduction and unification of production
- No need of using additional ventilator for cooling of acoustic cover
- Transported medium is free from oil.

### SCOPE OF DELIVERY:

- Vacuum ROOTs blower / Vacuum ROOTs blower with pre-inlet cooling
- Unit frame
- Flexible pads
- Vacuum safety valve
- Flexible connection on inlet
- Inlet silencer with filter
- Discharge silencer
- Flexible connection on outlet
- Electromotor
- V-belt drive with protective cover
- Oil filling
- Anchoring material

### OPTIONAL EQUIPMENT:

- Acoustic cover for indoor and outdoor environment, including suction and discharge gauge
- Frame for vertical placing of two units (for size 3D19–3D38)

### PARAMETERS:

#### Working pressure

- **basic version**  $\Delta P = 0$  až  $-40$  kPa rel.
- **with pre-inlet cooling**  $\Delta P = -40$  až  $-80$  kPa rel.

**Volumetric flow rate**  $Q = 20$ – $20\,000$  m<sup>3</sup>/h

**Motor power**  $P_1 = 0,25$ – $500$  kW

**Discharge connection** DN = 50–500

**ARCHER**  
SEPARATION PROCESS

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