

APPLICATIONS

NK are multipurpose pumps suitable for: • water supply • industrial pressure boosting • industrial liquid transfer • HVAC • irrigation.

Water supply

Besides general water supply in municipal and industrial waterworks, the NK pumps are used for these specific applications:

- filtration and transfer at waterworks • pressure boosting in mains • pressure boosting in high-rise buildings, hotels, etc • pressure boosting in industrial buildings • various swimming bath applications

Industrial pressure boosting

Pressure boosting in these applications:

- industrial washing and cleaning systems • industrial wash down systems • vehicle washing tunnels • fire-fighting systems

Industrial liquid transfer

Liquid transfer in these applications:

- cooling and air-conditioning systems, refrigerants • boiler-feed and condensate systems • aquafarming • industrial heating systems • district heating plants

HVAC

Liquid transfer in these applications:

- heating systems • ventilation systems • air-conditioning systems

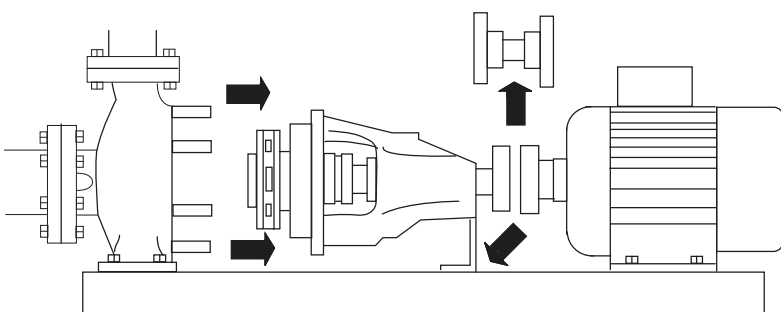
Irrigation

Irrigation covers these applications:

- field irrigation, flooding • sprinkler irrigation • drip-feed irrigation

CONSTRUCTION FEATURES

- The pumps are non self-priming, single-stage, centrifugal volute pumps with axial inlet port, radial outlet port and horizontal shaft.
- All pumps are according to ISO 5199.
- Inlet and outlet flanges are according to EN 1092-2.
- Dimensions and rated performance are according to EN 733 (10bar) However, pumps with flange dimensions upto and including DN 150 are marked PN 16 and thus suitable for 16 bar operation.
- The pumps can be equipped with an MGE motor with integrated frequency converter or connected to a Grundfos CUE external frequency converter.
- All pumps are statically balanced according to ISO 1940-1 class 6.3.
- Impellers are hydraulically balanced



For NK pumps the back pull-out design enables removal of the motor, motor stool and impeller without disturbing the pump housing or pipes. Even the largest pumps can thus be serviced by a single person with a crane