ANHEL®

Profit LLC, Saint Petersburg, Russia
6/1 Polytechnicheskaya St., suite H-7, 194021
Tel. +7 (812) 416-4500, E-mail: info@anhelspb.com
OGRN 1137847188357, Tax ID (INN) 7802825464, KPP 780201001

Questionnaire for ANHEL® block-type individual heat substation selection

Dear partners, to ensure the most accurate selection of equipment matching your requirements, please answer the questions below or send us a technical specification containing all the required data.

If you have any difficulties or questions while completing this questionnaire, please call +7 (812) 416-4500 — our specialists will gladly assist you.

Contact details

Company *

Full name *

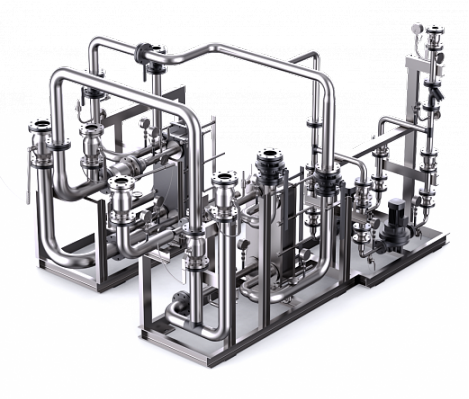
Position *

Email *

Contact phone *

City *

Facility name and location



How did you hear about us?

- ○ Yandex / Google ads
- ○ Yandex / Google search
- ○ Social networks
- ○ Recommendation from a colleague
- ○ Already familiar, worked with us before
- ○ Other

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General information

District water temperature schedule at the substation inlet / outlet (winter), °C

T1 (inlet)

T2 (outlet)

District water pressure at the substation inlet / outlet, bar

P1

P2

Building height, m

Heat carrier (water, glycol solution (%), etc.)

Heating

Thermal load

Gcal/h

Heating (connection scheme)

☐ Dependent (direct) ☐ Independent (indirect) ☐ Direct

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Heating (continued)

Plate heat-exchanger type

☐ Brazed ☐ Gasketed (demountable) ☐ Shell-and-tube

Heating system temperature schedule (winter), °C

T1.2 inlet

T2.2 return

Heating system pressure drop, m H_2O

Maximum working pressure, m H_2O

Heating system volume, m^3

Heat-exchanger redundancy

○ Yes % ○ No

Pump redundancy

☐ 100% ☐ Spare on stock ☐ Twin pump

Pump VFD speed control

○ Yes ○ No

Ventilation

Thermal load

Gcal/h

Connection scheme

☐ Dependent (direct) ☐ Independent (indirect) ☐ Direct

Plate heat-exchanger type

☐ Brazed ☐ Gasketed (demountable) ☐ Shell-and-tube

System temperature schedule (winter), °C

T1.2 inlet

T2.2 return

System pressure drop, m H_2O

Maximum working pressure, m H_2O

System volume, m^3

Heat-exchanger redundancy

○ Yes % ○ No

Pump redundancy

☐ 100% ☐ Spare on stock ☐ Twin pump

Pump VFD speed control

○ Yes ○ No

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DHW (domestic hot water)

Thermal load

Gcal/h

Cold water temperature, °C

Hot water temperature, °C

Cold water inlet pressure at substation, bar

Required hot water pressure, bar

DHW circulation line required?

○ Yes ○ No

DHW circulation flow as % of peak demand, %

DHW circulation head loss, m H_2O

DHW heat-exchanger configuration

☐ Single-stage ☐ Two-stage ☐ Single-skid (monoblock)

Plate heat-exchanger type

☐ Brazed ☐ Gasketed (demountable) ☐ Shell-and-tube

Heat-exchanger redundancy

○ Yes % ○ No

Pump redundancy

☐ 100% ☐ Spare on stock ☐ Twin pump

Pump VFD speed control

○ Yes ○ No

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Additional equipment, functions, and parameters

Outdoor-temperature compensation

○ Yes ○ No

Automatic make-up line for heating and ventilation

○ Yes ○ No

Automatic pressure-maintenance unit for heating and ventilation

○ Yes ○ No

Thermal energy metering unit

○ Yes ○ No

Differential pressure regulator

○ Yes ○ No

Expansion tank

○ Yes ○ No

Cold-water flow meter

○ Yes ○ No

Pump-failure sensor (DP switch)

○ Yes ○ No

SCADA / dispatching

○ Yes ○ No

Provide a make-up valve

○ Yes ○ No

Provide a make-up pump

○ Yes ○ No

Pipework insulation

○ Yes ○ No

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Inlet valves and fittings (steel)

☐ Welded ☐ Flanged ☐ Threaded

Substation room dimensions (L × W × H), mm

Doorway size (W × H), mm

Data communication to SCADA

☐ RS232 (485) ☐ Ethernet ☐ GSM ☐ Tel. modem

Pumps powered from the substation control cabinet

○ Yes ○ No

Pumps powered from an external cabinet

○ Yes ○ No

Supply voltage

☐ 1×230 V ☐ 3×380 V

Additional information

Important! Profit LLC accepts no responsibility for the accuracy of the source data provided in this questionnaire for equipment selection.

If the customer declines to complete this questionnaire, this is deemed acceptance of all technical characteristics defined by the type designation stated in the order in accordance with the ANHEL® catalogue, and confirmation that the product requires no additional features.