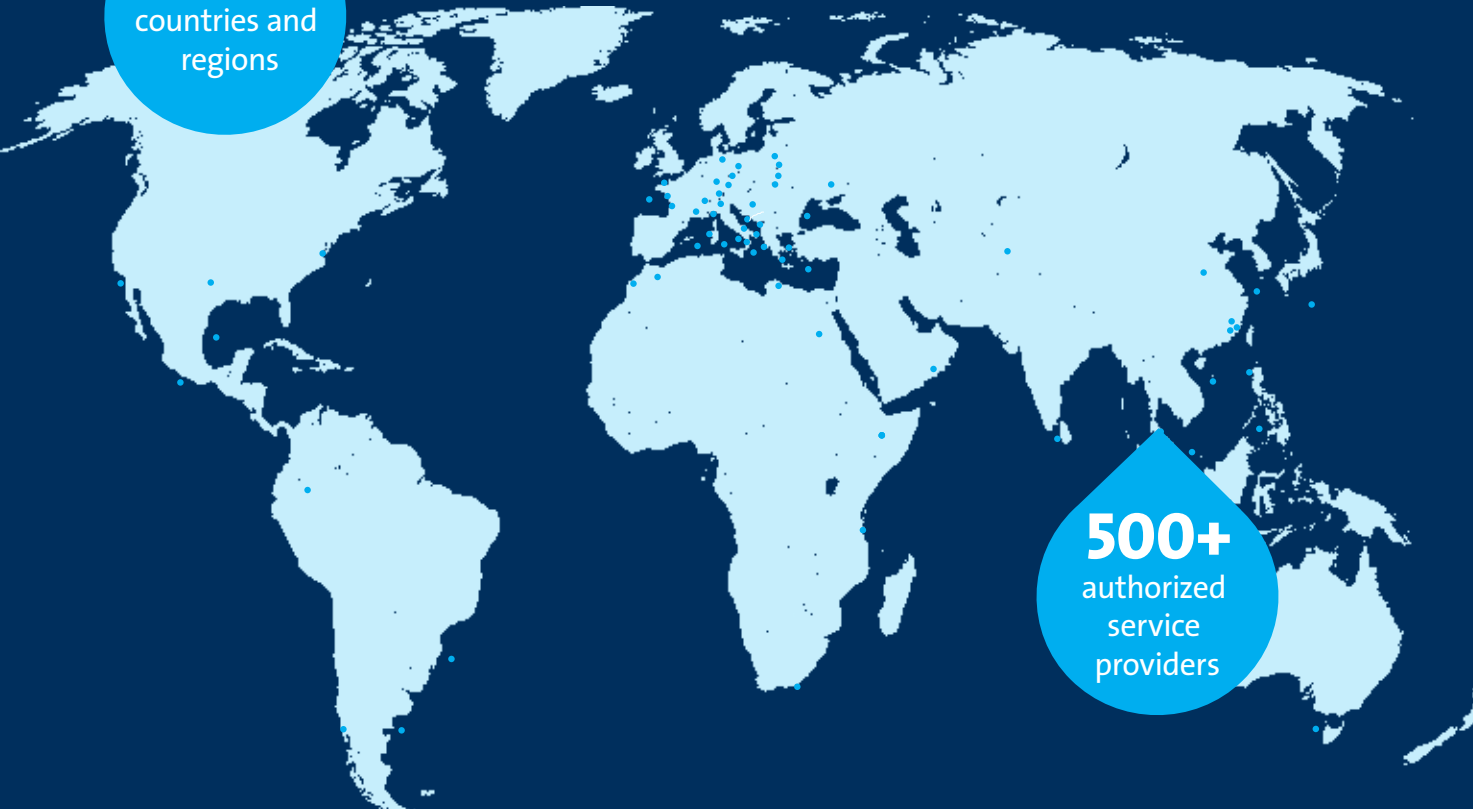


WHEREVER YOU ARE GRUNDFOS CAN PROVIDE YOU SOLUTIONS AND SERVICES!

50+
countries and
regions



500+
authorized
service
providers



GLOBAL PRESENCE

Wherever water and energy solutions is needed, there's a Grundfos company nearby, ready to assist you.



RELIABLE SOLUTIONS

With Grundfos 75-year experience and technology, we are dedicated to delivering more efficient, reliable and climate friendly solutions.



FULL-SERVICE PROVIDER

Grundfos produce standard pumps to customized solutions, as well as full lifecycle services including smart control, monitoring, diagnosis and more.



WORLDWIDE PRODUCTION

Grundfos is represented in more than 55 countries, and with 5 local factories Grundfos products, solutions and services are easily accessible to customers globally.



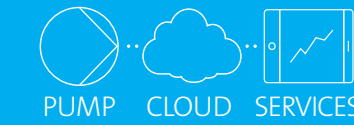
Official WeChat account of Grundfos Building Solutions

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PREFABRICATED PUMP MODULE **GRUNDFOS DELTA**

FOR DISTRICT ENERGY AND HVAC SOLUTIONS

GRUNDFOS iSOLUTIONS



DO YOU KNOW...

While other industries have invested in innovation to increase efficiency and cost effectiveness, the construction industry has failed to keep up...

60%

of new constructions suffer a time overrun of more than 10%.



76%

of new projects run more than 25% over budget.



75%

The total amount of site labour potentially reduced through the use of prefabricated systems.



SIX PAIN POINTS...



POOR operating and energy-saving effects.



The product design CANNOT deliver the actual need.



Complexity in designing, selecting and sizing WASTE time and resource.



Installation and commissioning is COMPLICATED and TIME-CONSUMING.



High CHALLENGES on capability of operation and maintenance management, and service.



Multi-supplier mode leads to more communications, worse services and consistency to WASTE time and money.

PREFABRICATED PUMP MODULE GRUNDFOS DELTA

is bringing an innovative, one-stop pump solution to heating, ventilation and air-conditioning (HVAC) processes in commercial buildings and district energy systems.



SMART DESIGN

- Aesthetic and practical design for utmost care.
- Compact design and user-friendly interface.
- Adaptable to variable needs.
- Wide compatibility for multi-application scenarios.



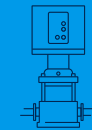
HOLISTIC PREFABRICATION

- Module is designed and validated in whole.
- Compact design for "big" operation and maintenance.
- Precise design for safety and sustainability.



SIMPLIFIED PROCESS

- "All-in-one".
- One-stop solution provider as the single service window.
- One-click selecting realize the performance of complex holistic solution.



SMART OPERATION & MAINTENANCE

- With Grundfos GIMC cloud platform, to have real-time monitoring and operation strategy on hand.
- Wireless 4G transmission ensure entire network stability.
- Deep visibility of device status for accurate prediction maintenance.



EFFICIENT & ENERGY-SAVING

- Optimized hydraulic design to minimize system head loss.
- Intelligent control algorithm of Power Optimized Pump Sequencing for further optimized energy efficiency.



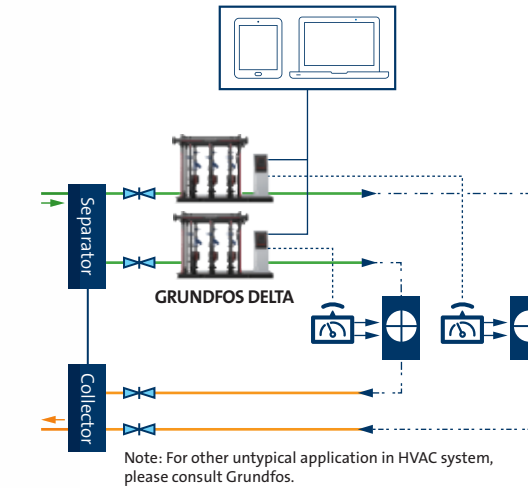
STABLE & RELIABLE SYSTEM

- One-stop solution that meets specific design, manufacture and verification requirements, and delivers on its promised outcomes.

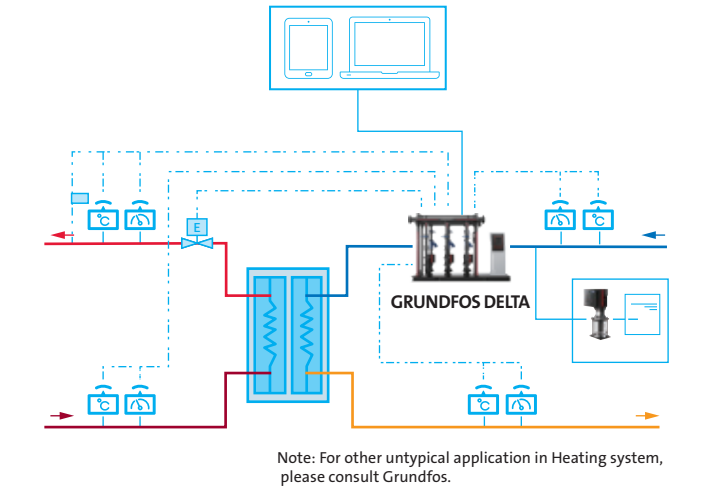


CUSTOMIZED SOLUTION TO MEET YOUR NEEDS ON EACH APPLICATION...

HVAC transmission & distribution system



DISTRICT HEATING transmission & distribution system



DIVERSIFIED STRUCTURE TYPE FOR FLEXIBLE SYSTEM DESIGN...



E-pump - U Frame/L Frame

- Single pump power: 4-22kW
- Number of pumps in a single pump skid: 2-6 pcs, standby pumps included.
- Manifold diameter: DN100-DN350
- PN16, -10~+110°C (for temperatures that go beyond 80°C, please consult Grundfos), non-corrosive liquid.
- Pump skid Flow: 50~1250 m³/h
- Pump skid Head: 20~42mH
- Optional: cloud-based monitoring, remote wireless control, safety valve, etc.
- Compact, easy and quick installation and maintenance, intelligent and highly efficient.

More options

- "I" type frame structure
- Designated components
- Other customized design



External VFD - U Frame/L Frame

- Single pump power: 4-75kW
- Number of pumps in a single pump skid: 2-6 pcs, standby pumps included
- Manifold diameter: DN100-DN350
- PN16, -10~+110°C (for temperatures that go beyond 80°C, please consult Grundfos), non-corrosive liquid
- Pump skid Flow: 50~3600 m³/h
- Pump skid Head: 20~42mH
- Optional: cloud-based monitoring, remote wireless control, safety valve, third-party VFD
- Compact and flexible, applicable to multi-application scenarios, intelligent and highly efficient