



# Solutions for HVAC applications

## The APV HVAC Concept



## APV HVAC-concept

Players involved in the HVAC-market work in a highly competitive environment in which meeting customer demands is essential. To end-users these products are often considered commodity products - price and product availability being key factors.

To meet these requirements APV offers a targeted and competitive HVAC-concept consisting of economic and efficient heat exchanger solutions. The heat exchangers are available in several different sizes matching customer requirements. An easy-to-use quotation tool will help reduce response time to your customers.

### APV Kompakva

- Water heaters and district heating units

APV Kompakva is a new range of small and compact water heaters and district heating units for heating of domestic water and for direct and indirect heating characterized by innovative technology and design.



- The smallest unit of its type - 30% less space requirement
- APV patented multifunctional block - one single unit for pipe arrangement, cover, back panel and sensor accelerator
- Capacity: Up to 8 households
- High thermal efficiency
- Low operating costs
- Easy to mount and clean
- Can replace most of existing models on the market as the position of connections is the same

### APV ParaFlow

- Gasketed plate heat exchangers

Having one of the widest plate portfolio in the market the large variety in ParaFlow types offers solutions for almost any HVAC application.



- New price competitive frame range
- Compact design
- Superior heat transfer efficiency
- Easy to clean
- Glue-free gaskets

### APV ParaBrazed

- Brazed plate heat exchangers

APV ParaBrazed is a comprehensive range of compact brazed plate heat exchangers for HVAC applications. APV ParaBrazed is especially suited for water heaters, district heating units, gas boilers, and solar heating.



- More than 400 models
- Very compact
- Large temperature span
- Wide pressure range
- Good performance

### APV district heating units

- Customized solutions

APV customer designed units comprise modular installations mounted on a skid consisting of plate heat exchangers together with pumps, automatic regulating equipment, thermometers, pressure gauges and all necessary valves. The pre-built units for central and tap water heating are ready to "plug & heat" - saving time during installation and commissioning.



- Up to 50 MW
- Easy to install
- Easy to service
- Delivered ready to "Plug & Heat"

## APV HVAC tools

- [www.APV-HVAC.com](http://www.APV-HVAC.com)

An easy-to-use quotation tool are just one of the tools provided to help reduce your customer response time and ease the business processes. The APV HVAC tools described below are available via our internet site: [www.APV-HVAC.com](http://www.APV-HVAC.com).

### Quotation tool ParaSize

The APV ParaSize tool is easy-to-use software for quoting the range of ParaFlow and ParaBrazed heat exchangers. No matter, if it is a liquid/liquid or a ParaBrazed for condensing or evaporation application, the APV ParaSize tool is the software to use.

### Selection guide

For designing heat exchangers to match local and customer requirements, a simple and easy to fill in template is provided. The selection guide is a quick reference for product selection, which easily can be adapted to local temperature sets and be customized to individual needs.

### Worldwide support - always close at hand

APV is able to provide customers with support through strong local sales and service offices in more than 40 countries across the globe. Whether the customer is a small niche producer of a specialist product or a global multi-site manufacturer, APV and our network of sales and service partners offer a consistently high level of support.

## Compakva

-innovative technology and design

Combining design and functionality has been a key issue in the development of the new APV range of small compact water heaters and district heating units. The new APV Compakva range shows how combining innovative technology and design has resulted in a completely new product approach. The different Compakva models are the smallest units of their type on the market, and the reduced space requirements of up to 30% means that Compakva will fit into almost any standard household cupboard. See more on [www.compakva.com](http://www.compakva.com)



APV Compakva 36+



APV Compakva TD36+



APV Compakva S36+



APV Compakva VX36+



APV Compakva VXB50+

## Technical data: APV HVAC-range

	District heating units	ParaBrazed	ParaFlow
Product types	Compakva, various	APV customized DH-units	Various
Transmission area	N/a	Up to 2,500 m <sup>2</sup>	Up to 75 m <sup>2</sup>
Material	Stainless steel AISI 316 and red brass	Various	AISI 316
Temperature, °C	Up to 130 °C	-50 °C - 195 °C	-50 °C - 195 °C
Pressure, bar	Up to 16 bar	Up to 30 bar	Up to 30 bar
Capacity	1-8 households	Up to 50 mW	
Connections (May vary from model to model)	¾ Threaded	Threaded, flanged, soldering and welded	Threaded, flanged and soldering
Custom-design		Non standard sizes and connection variants are possible	Non standard sizes and connection variants are possible
Accessories	Plastic cabinet	Insulation	Fittings and insulation are available

For detailed technical data and specifications please see separate product datasheets.

# We are only one click away

We would like the opportunity to provide further information and explain the detailed benefits of APV products and services.

For more information about our heat transfer technologies please contact your local Invensys APV sales representative.

If you already have a duty for a heat exchanger and want to configure and design it yourself, please visit [www.PHEWizard.com](http://www.PHEWizard.com).

For HVAC solutions visit [www.APV-HVAC.com](http://www.APV-HVAC.com).



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