

# TA-COMPACT-P



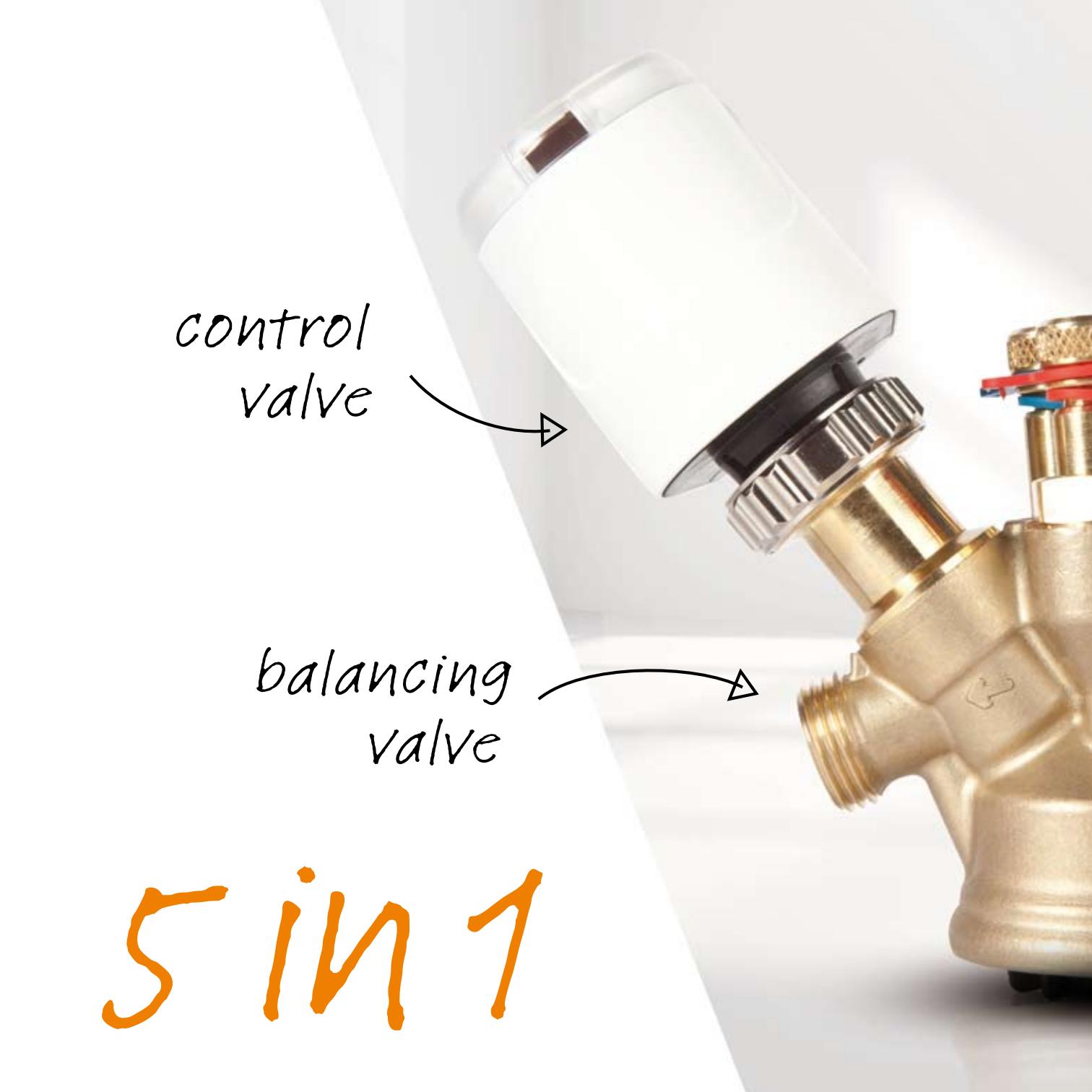
control  
valve



balancing  
valve



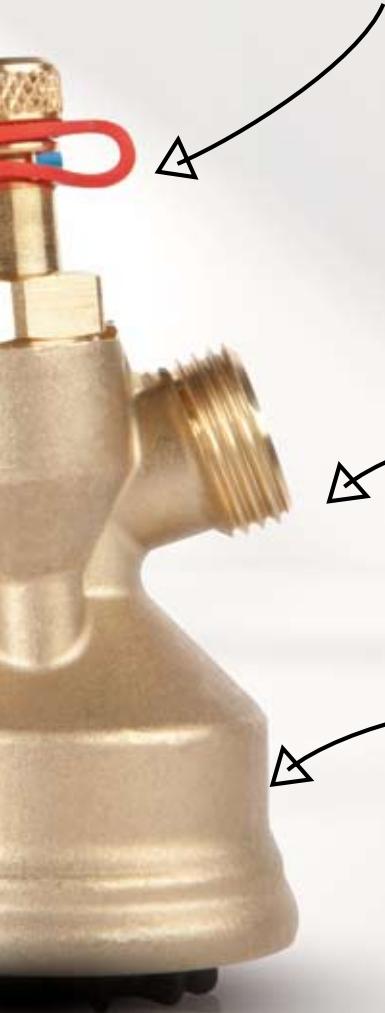
5 in 1



## TA-COMPACT-P

The new two-way pressure independent balancing and control valve for terminal units in both cooling and heating systems. Guaranteed to deliver precise hydronic balancing and high controllability to meet the desired room temperature for maximum comfort.

full  
measurement



shut-off

differential  
pressure  
controller

*MORE compact*



*TA-COMPACT-P  
with fan-coil*

**It requires minimal space around the valve.**

Access to measuring points, settings, shut-off and the connection to the actuator can all be found on one side of the valve. Even if two valves are close to each other, you still have easy access to everything you need.

*LESS space required*

# MORE diagnostics

Despite the valve being very compact, it offers a wide range of diagnostic capabilities.

## Your benefits:

- > trouble-free commissioning
- > pump head optimisation
- > simple detection of possible system failures

With TA-COMPACT-P, it's easy to understand system behaviour and performance.

Accurate measuring allows you to maximize energy efficiency of the system while minimizing energy consumption.

Through direct measuring, you can find possible system failures in the installation, such as clogged pipes and filters, opposite flow direction, undersized pumps, air pockets in pipes etc.

## You can measure:

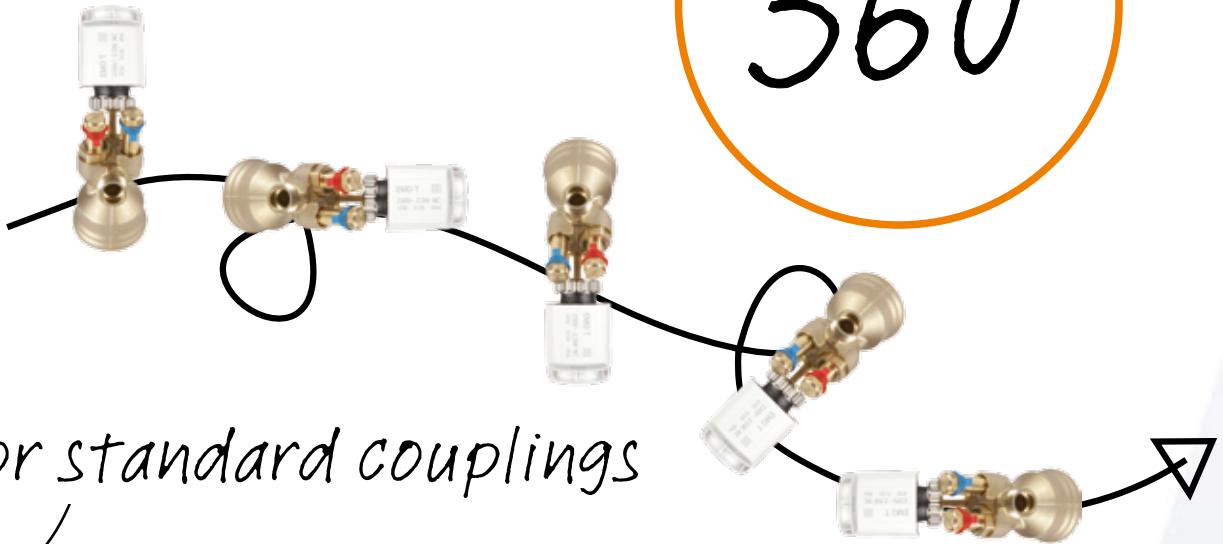
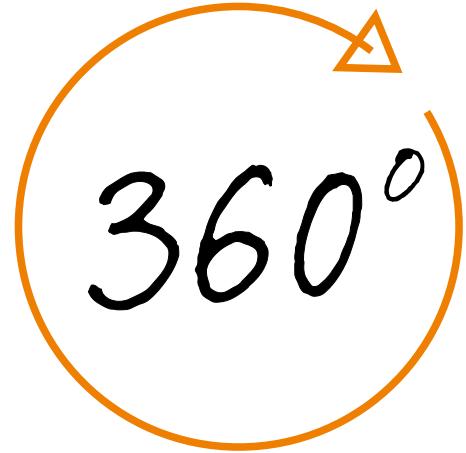
- > flow
- > temperature
- > pressure drop
- > power
- > available differential pressure

LESS guesswork



# MORE flexibility

**TA-COMPACT-P** offers freedom to be mounted in any position even if coupled with TA actuator thanks to high IP protection class.



For standard couplings

## Other connection possibilities:

- > female thread (ISO 228)
- > female thread Rc (ISO 7-1)
- > female thread NPT (ANSI/ASME B1.20.1-1983)
- > welding connection
- > soldering connection
- > smooth ends
- > compression connection

LESS limitation

# MORE longevity

More than 50 years experience with our own brass material **Ametal**<sup>®</sup>, which was patented in 1963, guarantees full functionality, longevity and zero maintenance costs.

Ametal is highly resistant to different types of corrosion, for example, dezincification and stress corrosion cracking.

**You can trust it.**

made in  
Sweden



- full functionality
- high resistance to corrosion
- longevity
- maintenance-free

Ametal<sup>®</sup>



LESS worry

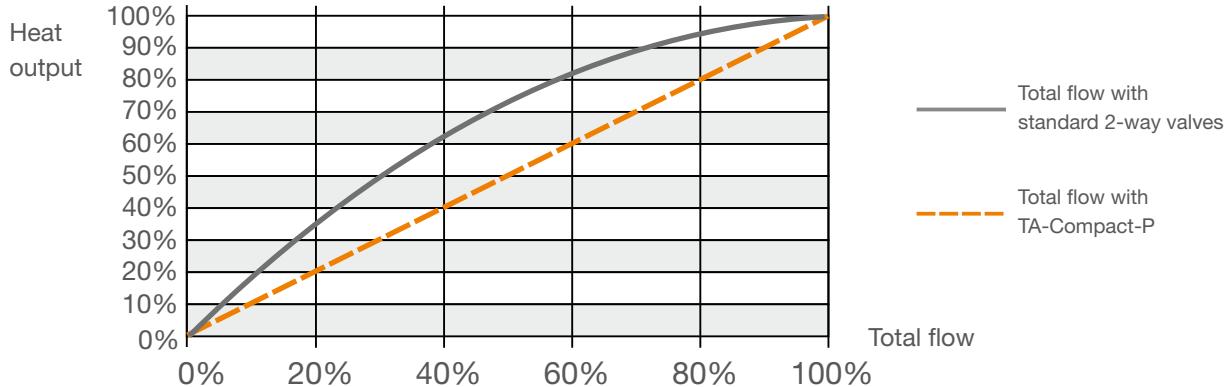
# MORE balance

**TA-COMPACT-P** has the ability to limit the flow according to its setting.

When TA-COMPACT-P is fully open, it maintains constant flow through the terminal unit and ensures right flow in the entire system. TA-COMPACT-P simplifies commissioning and hydronic balancing.



## Total flow throughout the system from 2-way control valves with on-off actuators:



For more information please refer to the ["Energy fact book"](#)

# LESS energy usage

*MORE flow*



TA-COMPACT-P	$q_{nom}$ [l/h]		$\Delta p_V$ [kPa]	
	min	max	min*	max
DN 10	21,5	120	15	400
DN 15 LF	44	245	15	400
DN 15	88	470	15	400
DN 20	210	1150	15	400
DN 25	370	2150	23	400
DN 32	800	3700	23	400

\*Valid for position 10, fully open. Other positions will require lower differential pressure.

**TA-COMPACT-P** was designed to achieve high flow with minimal demands on pumps to ensure high energy efficiency and minimal energy usage.

Due to its diagnostic features, it is very easy to check flow and properly adjust the working point of the pump.

*LESS pump consumption*

*MORE user friendly*



←  
*easy access  
to all  
essential  
information*

- > Clearly visible valve setting, just one turn
- > Fast identification of insulated valve
- > The setting can be easily changed by hand, a setting key is not needed
- > Position "X" to shut-off valve without protection cap
- > Factory setting: fully open, position 10

*LESS hassle*

# MORE choice

Control & balancing valves for terminal units

COMBINED  
BALANCING &  
CONTROL VALVES

LINEAR



TBV-C  
DN 15-25

EQM



TBV-CM  
DN 15-25



TA-FUSION-C  
DN 32-150

COMBINED  
PRESSURE  
INDEPENDENT  
BALANCING &  
CONTROL VALVES



TA-COMPACT-P  
DN 10-32



TBV-CMP  
DN 15-25



TA-FUSION-P  
DN 32-150

With the most complete range of control & balancing valves on the market, we offer you the best solution for optimal functioning of your system at a lower investment cost.

LESS investment



**Find out more**  
[www.ta-compact-p.com](http://www.ta-compact-p.com)