

# KOLLER JET PUMPS ECOLUTION

Technically superior



# Leadership role in whirlpool systems for over 45 years

Koller Whirlpool was founded 1978 and rapidly developed into an international successful company. Koller Whirlpool was one of the first companies worldwide to invent whirlpool technology for bathtubs and to use material made of brass. With over 750 certificates, Koller Whirlpool is a brand for innovative technology – in the past, present and future.

## **100% in-house development and -production.**

We stand for proven Koller quality and produce the complete product range solely in our factories in the European zone.

## **Complete solutions from pumps to lighting.**

Koller products are perfectly matched in terms of their appearance and mechanics and are developed in close cooperation with our customer and partners. We offer complete solutions regarding whirlpool and spa!

## **Koller quality guarantee.**

Trust is a good thing, but control is a better one. Therefore our products pass a schematic plan and are examined carefully before shipment.

We look forward to continued good cooperation and partnership and mutual success!

Your Koller management team



Rudolf Koller



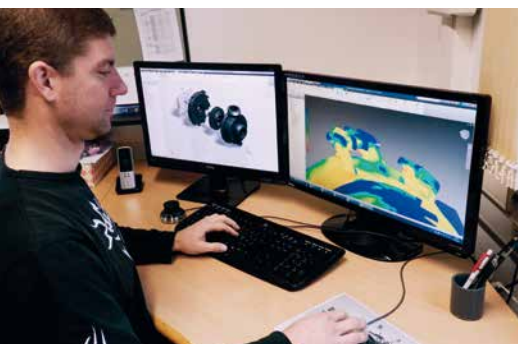
Bernhard Koller



Karin Drucker



Thomas Apfelthaler



Development. Production. Assemblage. Everything under one roof.

# ALWAYS CLOSE TO THE CUSTOMER

Founded in Austria, the centre of the Koller International Group is still located in the region: The group is managed and represented externally from the group's headquarters in Vienna. Research and development, as well as production by means of top modern machinery is split among two locations in the EU:



## Headquarters Vienna / Austria

From Vienna, the national and worldwide activities of the Koller International Group are planned and coordinated.



## Parent plant Vitis / Austria

Competence centre for development, metalworking, surface technology, and electronics.



## Plant Jindrichuv Hradec / Czech Republic

Competence centre for blower and pump production, assembly, toolmaking and plastics production.

## Worldwide sales – highest customer satisfaction!

The products of Koller Whirl Systems are sold around the globe and are a well-known and respected name everywhere. **Koller Whirl Systems - Quality pays off!** You'll find the contact for your country at

**[whirl.rkoller.com/Contact](http://whirl.rkoller.com/Contact)**



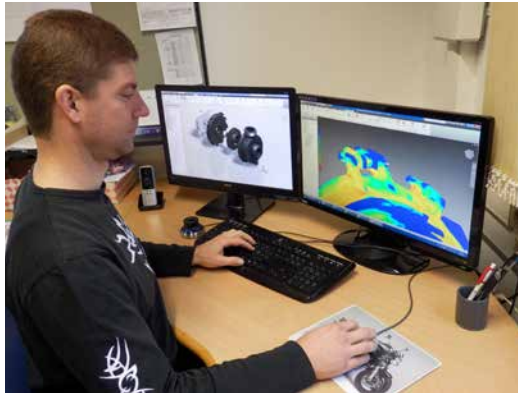
# INDEX

<b>ECOlution JET PUMPS</b>	<b>5-7</b>
- From the idea up to the finished Jet pump	
- Product benefits	
- Performance comparison / diagram	
<b>ECOlution   50Hz 220-240V + 60Hz 220-240V</b>	<b>8 - 11</b>
<b>ECOlution   Performance curves</b>	<b>12 - 15</b>
<b>ECOlution   with integrated C-profile with built-in electronic control - for up to 4 functions</b>	<b>16</b>
<b>ECOlution   Dimensional Drawings</b>	<b>17</b>
<b>Quick Fix Vario / C-profile mounting</b>	<b>18 / 19</b>
<b>Unions (metric)</b>	<b>20</b>
<b>Double Unions (metric)</b>	<b>21</b>
<b>Standard mounting and 1/4" connections for drain of remaining water</b>	<b>22</b>
<b>KOLLER INTERNATIONAL GROUP</b>	<b>23</b>
<b>Contact</b>	<b>24</b>



# ECOLUTION - FROM THE IDEA UP TO THE FINISHED JET PUMP

**Sustainability**, environmental friendliness, **energy efficiency** and corporate responsibility have become more important in today's world and more relevant than ever. So why should not KOLLER meet these challenges and build a jet pump that is better, more efficient and therefore more ecological than anything available so far in the pump market? The vision for ECOLUTION series was thus born: under the leadership of the technical mastermind Mr KR Rudolf Koller (company founder) finally began a long and intensive **research and development process** - with clearly defined objectives.



## Optimized construction by Computer-Aided Design (CAD)

Experimental studies have shown: the key to more power efficiency is in a **perfect adjustment of the hydraulic design**. At the end of many complex optimization phases with CAD the breakthrough finally arrived: the **SUPA STEALTH Technology®** enabled previously never reached peak values in efficiency and consumption!

**Own toolmaking for an exact implementation of the drawing**  
An **modern machine park** with eroding, wire cutting, grinding machines, etc. and **experienced experts** are the guarantee for the exact technical implementation of the computer optimized technical designs.



## High tech injection molding machines guarantee consistently high quality

Modern, with removal grippers equipped injection molding machines make quality a matter of routine - concerning **homogeneity** of the injected plastic mixture as well as **identical fit** of the molded plastic parts.



## Each handle fits perfectly: assembly of the ECOLUTION jet pump

Accuracy and **precision** is immensely important with the assembly of a jet pump. Therefore, at KOLLER the assembly of the pump is done exclusively by experienced, long-term employees with **technical know-how** for the professional installation.



Each jet pump runs **at least 15 minutes on the test stand**. In this function test, the **total reliability** of the pump is checked - in terms of both electricity and terms of tightness. All data, including verified performance are documented in a **test report** and attached onto the jet pump.

At the end of a long and extensive research, development and manufacturing process, the usual **KOLLER quality** stands for your satisfaction through the reliability, durability and high performance of the **KOLLER ECOLUTION**!

# ECOLUTION - PRODUCT BENEFITS

- Silent version - particularly low-noise levels
- Higher pump performance with less energy consumption
- Improved efficiency of the pump
- Significant energy savings compared to reference pumps
- Compact - space-saving installation
- Integrated C-profile saves mounting time and money
- Compatible with universal tool carrier
- Easy conversion of existing systems by same connection thread
- Variety of connection options such as straight union, angle 23 °, 45 °, 67 °, 90 °, T-pieces, etc.
- 3 different pump head designs
- Robust durable design
- Compatibility with previous KOLLER-jet pumps of the power class 650W and 800W - thus arbitrarily interchangeable

## With the ECOLution Series KOLLER sets absolutely new benchmarks in the whirlpool pump technology:

ECONomically and ECOlogically (ECO) extremely efficient pump solution (Solution) from in-house development (Evolution): the revolutionary ECOLution jet pump generation is capable of higher pump performance while consuming less energy!

## The secret of technical superiority: SUPA STEALTH Technology® (SST)

After more than 3 years of intensive research and development, KOLLER definitely has made THE Technical Revolution in the pump sector: the new patented SUPA STEALTH Technology® (SST) provides an up to date unmatched high efficiency!

Tests have proven: The ECOLution Series allows a **40% higher efficiency** and a **34% higher delivery volume** compared to commercial reference pumps. Almost unbelievable that this outstanding jet pump in addition is also super quiet...

## Quiet by design

Pleasant revitalizing wellness baths, harmonious whirlpool evenings and relaxing massage treatments will never be disrupted again by

unpleasant pump noise.

Thanks to the **integrated SUPA STEALTH Technology® (SST)** the ECOLution is THE ideal pump for consciously quiet designed whirlpools.

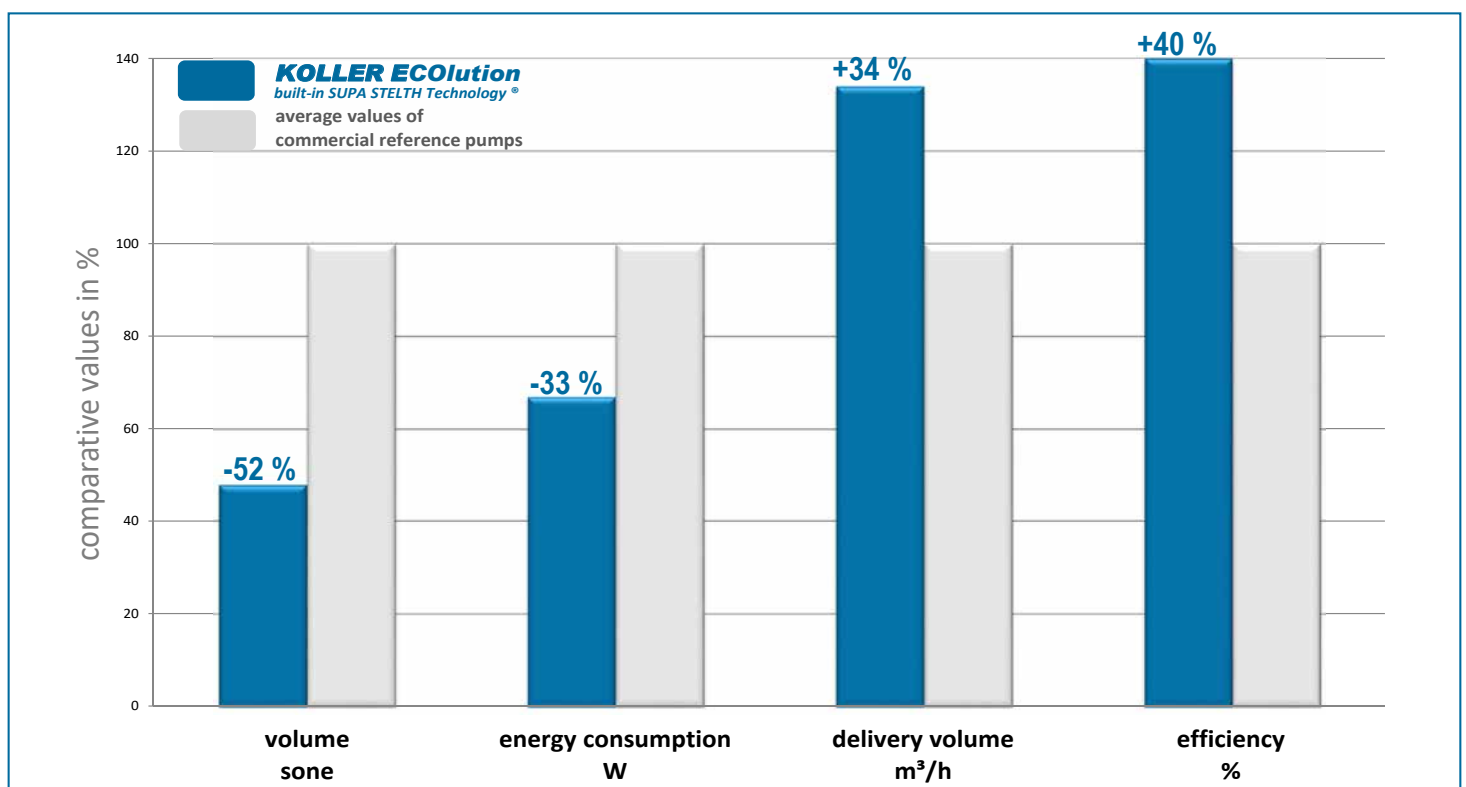
## User and environmentally friendly

ECOLution jet pumps - both electronic and pneumatic control - are extremely easy to integrate into any whirlpool system. An evacuation of the remaining residual water is optionally possible through **self-drain, cartridge drain or evacuation nipple**: the existing 1/4" connection thread can be used with any 1/4" connector. Thus, the ECOLution model ensures the **highest standard of hygiene!**

## ECOLution jet pumps – install easily and work with a wide variety of equipment

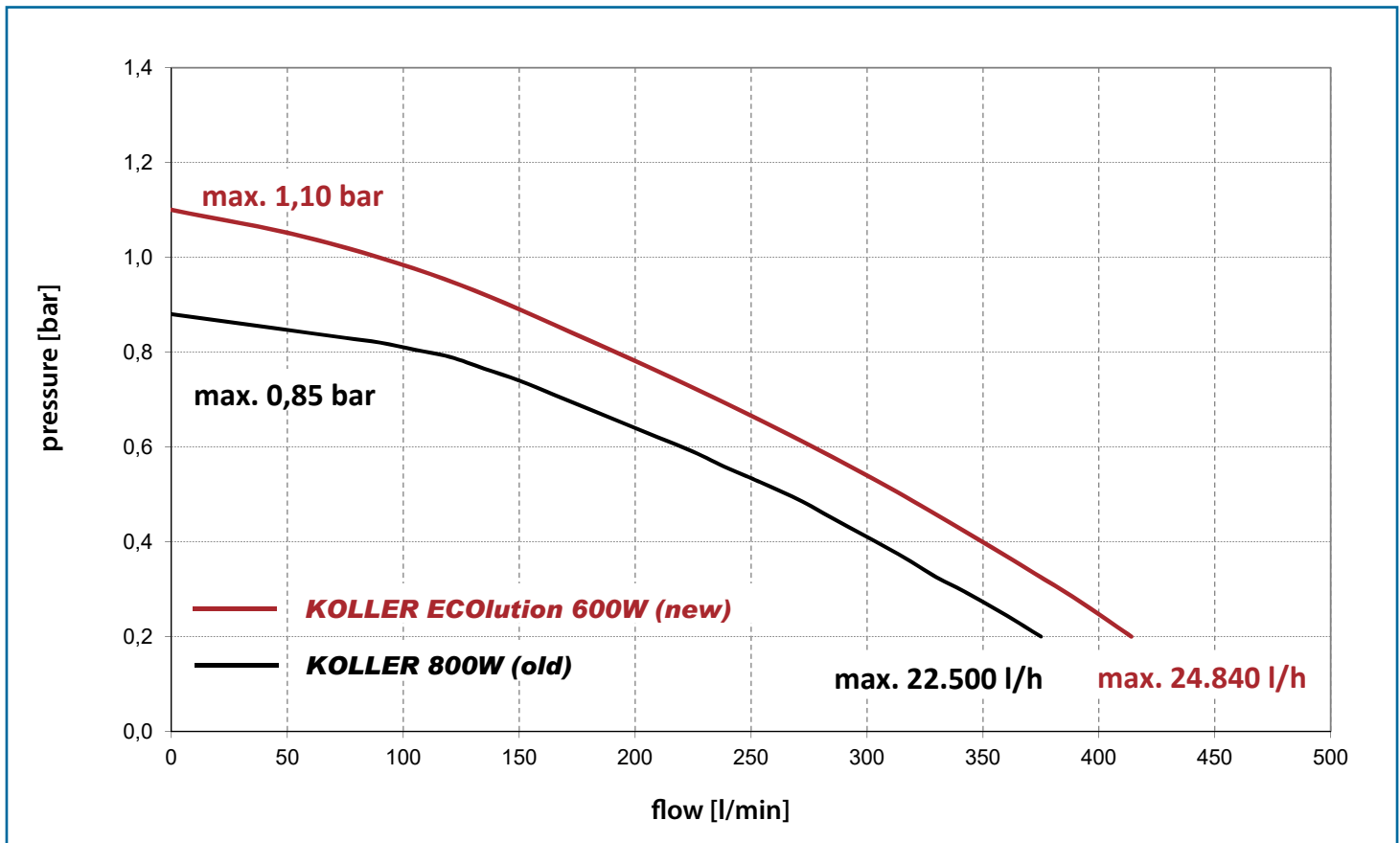
Like other jet pumps from Koller, the ECOLution has the integrated C-profile. This allows a significant reduction in working time and material during assembly. Whether used in new construction or aftermarket applications.

**ECOLution jet pumps are the perfect choice!**



# PERFORMANCE COMPARISON

Higher delivery volume at the same time less energy consumption and super silent operation



## Feedback from one of the renowned worldwide sanitary producers, already ordering the new pump:

„Good morning Mr. Koller,

As per your request I have reviewed the comparison between the existing and the new pump.

I am aware of the characteristics collected from our projects' history. In turn, for our applications we chose the bigger pump (1.250 W) for comparison purposes.

With regards to your question about the understanding of this diagram / graph and the shown advantages of the new pump,  
I confirm the clarity of portrayed information.

It is shown that the existing pump (800W) has lower pressure and therefore the volume behaves equivalently. The colored markings clearly show that the low-powered pump has more pressure and volume. The results from four graphs show the reduction of noise level and energy consumption as well as an increase of delivery volume and overall efficiency.

I find the SUPA Stelth Technology interesting and eye catching – It reminds me a bit of the space flight technology which now finds its way into the whirlpoolpump-sphere. I am wondering myself, if we have anchored these advantages into our marketing concepts and whether we have the possibility to do so.

I think your presentation is clear and all facts are shown precisely and understandably. I am glad that, following our conviction of more than 2 years ago, these developments have now been implemented and can be presented at this immense and important fair.“

# JET PUMPS ECOLUTION WITH INTEGRATED C-PROFILE FOR ELECTRONIC CONTROL



\* Nipple with 1/4" thread – different 1/4" connections possible - (see main catalogue chapter fitting)

with integrated C-profile

suitable for mounting with quick fix vario (series 26111X) - (see main catalogue chapter legs)

**cable length:** 1 m with wire end ferrules

**system of protection:** IP X5

One mini jet is equivalent to about 3 micro jets.



Photo	line voltage	input	output	length	mini jets	test mark	weight	Order No.
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## with self-drain - 50 Hz

A	220 - 240V 50Hz	0,54 hp 0,40 kW	0,28 kW	315 mm	4 - 6	CE, ÖVE	4,4 kg	1711 WE
A	220 - 240V 50Hz	0,82 hp 0,60 kW	0,45 kW	315 mm	6 - 8	CE, ÖVE	5,2 kg	1712 WE
A	220 - 240V 50Hz	1,10 hp 0,80 kW	0,55 kW	315 mm	8 - 12	CE, ÖVE	5,6 kg	1713 WE
A	220 - 240V 50Hz	1,50 hp 1,10 kW	0,75 kW	339 mm	12 - 16	CE, ÖVE	7,3 kg	1714 WE

## with self-drain - 60 Hz

A	220 - 240V 60Hz	0,54 hp 0,40 kW	0,28 kW	315 mm	4 - 6	CE	4,3 kg	1711 WE/60
A	220 - 240V 60Hz	0,82 hp 0,60 kW	0,45 kW	315 mm	6 - 8	CE	5,3 kg	1712 WE/60
A	220 - 240V 60Hz	1,10 hp 0,80 kW	0,55 kW	315 mm	8 - 12	CE	5,8 kg	1713 WE/60
A	220 - 240V 60Hz	1,50 hp 1,10 kW	0,75 kW	339 mm	12 - 16	CE	7,4 kg	1714 WE/60

## with evacuation nipple - 50 Hz \*

B	220 - 240V 50Hz	0,54 hp 0,40 kW	0,28 kW	286 mm	4 - 6	CE, ÖVE	4,2 kg	1711 WN
B	220 - 240V 50Hz	0,82 hp 0,60 kW	0,45 kW	286 mm	6 - 8	CE, ÖVE	5 kg	1712 WN
B	220 - 240V 50Hz	1,10 hp 0,80 kW	0,55 kW	286 mm	8 - 12	CE, ÖVE	5,4 kg	1713 WN
B	220 - 240V 50Hz	1,50 hp 1,10 kW	0,75 kW	310 mm	12 - 16	CE, ÖVE	7,1 kg	1714 WN

## with evacuation nipple - 60 Hz \*

B	220 - 240V 60Hz	0,54 hp 0,40 kW	0,28 kW	286 mm	4 - 6	CE	4,3 kg	1711 WN/60
B	220 - 240V 60Hz	0,82 hp 0,60 kW	0,45 kW	286 mm	6 - 8	CE	5,2 kg	1712 WN/60
B	220 - 240V 60Hz	1,10 hp 0,80 kW	0,55 kW	286 mm	8 - 12	CE	5,6 kg	1713 WN/60
B	220 - 240V 60Hz	1,50 hp 1,10 kW	0,75 kW	310 mm	12 - 16	CE	7,3 kg	1714 WN/60

## with cartridge drain - 50 Hz

C	220 - 240V 50Hz	0,54 hp 0,40 kW	0,28 kW	275 mm	4 - 6	CE, ÖVE	4,2 kg	1711 WC
C	220 - 240V 50Hz	0,82 hp 0,60 kW	0,45 kW	275 mm	6 - 8	CE, ÖVE	5 kg	1712 WC
C	220 - 240V 50Hz	1,10 hp 0,80 kW	0,55 kW	275 mm	8 - 12	CE, ÖVE	5,4 kg	1713 WC
C	220 - 240V 50Hz	1,50 hp 1,10 kW	0,75 kW	298 mm	12 - 16	CE, ÖVE	7,1 kg	1714 WC

## with cartridge drain - 60 Hz

C	220 - 240V 60Hz	0,54 hp 0,40 kW	0,28 kW	275 mm	4 - 6	CE	4,3 kg	1711 WC/60
C	220 - 240V 60Hz	0,82 hp 0,60 kW	0,45 kW	275 mm	6 - 8	CE	5,1 kg	1712 WC/60
C	220 - 240V 60Hz	1,10 hp 0,80 kW	0,55 kW	275 mm	8 - 12	CE	5,7 kg	1713 WC/60
C	220 - 240V 60Hz	1,50 hp 1,10 kW	0,75 kW	298 mm	12 - 16	CE	7,3 kg	1714 WC/60



## JET PUMPS ECOLUTION WITH INTEGRATED C-PROFILE AND BUILT-IN PNEUMATIC CONTROL



\* Nipple with 1/4" thread – different 1/4" connections possible - (see main catalogue chapter fitting)

with integrated C-profile

suitable for mounting with quick fix vario (series 26111X) - (see main catalogue chapter legs)

**cable length:** 1 m with wire end ferrules

**system of protection:** IP X5

One mini jet is equivalent to about 3 micro jets.



Photo	line voltage	input	output	length	mini jets	test mark	weight	Order No.
<b>with self-drain - 50 Hz</b>								
A	220 - 240V 50Hz	0,54 hp 0,40 kW	0,28 kW	315 mm	4 - 6	CE, ÖVE	4,4 kg	1711 WEP
A	220 - 240V 50Hz	0,82 hp 0,60 kW	0,45 kW	315 mm	6 - 8	CE, ÖVE	5,2 kg	1712 WEP
A	220 - 240V 50Hz	1,10 hp 0,80 kW	0,55 kW	315 mm	8 - 12	CE, ÖVE	5,6 kg	1713 WEP
A	220 - 240V 50Hz	1,50 hp 1,10 kW	0,75 kW	339 mm	12 - 16	CE, ÖVE	7,4 kg	1714 WEP
<b>with self-drain - 60 Hz</b>								
A	220 - 240V 60Hz	0,54 hp 0,40 kW	0,28 kW	315 mm	4 - 6	CE	4,3 kg	1711 WEP/60
A	220 - 240V 60Hz	0,82 hp 0,60 kW	0,45 kW	315 mm	6 - 8	CE	5,3 kg	1712 WEP/60
A	220 - 240V 60Hz	1,10 hp 0,80 kW	0,55 kW	315 mm	8 - 12	CE	5,8 kg	1713 WEP/60
A	220 - 240V 60Hz	1,50 hp 1,10 kW	0,75 kW	339 mm	12 - 16	CE	7,4 kg	1714 WEP/60
<b>with evacuation nipple - 50 Hz *</b>								
B	220 - 240V 50Hz	0,54 hp 0,40 kW	0,28 kW	286 mm	4 - 6	CE, ÖVE	4,2 kg	1711 WNP
B	220 - 240V 50Hz	0,82 hp 0,60 kW	0,45 kW	286 mm	6 - 8	CE, ÖVE	5 kg	1712 WNP
B	220 - 240V 50Hz	1,10 hp 0,80 kW	0,55 kW	286 mm	8 - 12	CE, ÖVE	5,4 kg	1713 WNP
B	220 - 240V 50Hz	1,50 hp 1,10 kW	0,75 kW	310 mm	12 - 16	CE, ÖVE	7,2 kg	1714 WNP
<b>with evacuation nipple - 60 Hz *</b>								
B	220 - 240V 60Hz	0,54 hp 0,40 kW	0,28 kW	286 mm	4 - 6	CE	4,3 kg	1711 WNP/60
B	220 - 240V 60Hz	0,82 hp 0,60 kW	0,45 kW	286 mm	6 - 8	CE	5,2 kg	1712 WNP/60
B	220 - 240V 60Hz	1,10 hp 0,80 kW	0,55 kW	286 mm	8 - 12	CE	5,6 kg	1713 WNP/60
B	220 - 240V 60Hz	1,50 hp 1,10 kW	0,75 kW	310 mm	12 - 16	CE	7,3 kg	1714 WNP/60
<b>with cartridge drain - 50 Hz</b>								
C	220 - 240V 50Hz	0,54 hp 0,40 kW	0,28 kW	275 mm	4 - 6	CE, ÖVE	4,2 kg	1711 WCP
C	220 - 240V 50Hz	0,82 hp 0,60 kW	0,45 kW	275 mm	6 - 8	CE, ÖVE	5 kg	1712 WCP
C	220 - 240V 50Hz	1,10 hp 0,80 kW	0,55 kW	275 mm	8 - 12	CE, ÖVE	5,4 kg	1713 WCP
C	220 - 240V 50Hz	1,50 hp 1,10 kW	0,75 kW	298 mm	12 - 16	CE, ÖVE	7,1 kg	1714 WCP
<b>with cartridge drain - 60 Hz</b>								
C	220 - 240V 60Hz	0,54 hp 0,40 kW	0,28 kW	275 mm	4 - 6	CE	4,3 kg	1711 WCP/60
C	220 - 240V 60Hz	0,82 hp 0,60 kW	0,45 kW	275 mm	6 - 8	CE	5,1 kg	1712 WCP/60
C	220 - 240V 60Hz	1,10 hp 0,80 kW	0,55 kW	275 mm	8 - 12	CE	5,7 kg	1713 WCP/60
C	220 - 240V 60Hz	1,50 hp 1,10 kW	0,75 kW	298 mm	12 - 16	CE	7,2 kg	1714 WCP/60

# JET PUMPS ECOLUTION WITH INTEGRATED C-PROFILE AND BUILT-IN ELECTRONIC CONTROL

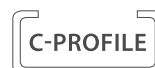


\* Nipple with 1/4" thread – different 1/4" connections possible - (see main catalogue chapter fitting)

with integrated C-profile

suitable for mounting with quick fix vario (series 26111X) - (see main catalogue chapter legs)

inclusive connecting box 230 7051E, clip bracket P-606733 and dry-running protection sensor 010133A without electronic button (see main catalogue chapter button)



**cable length:** 1 m with wire end ferrules

**system of protection:** IP X5

One mini jet is equivalent to about 3 micro jets.

Photo	line voltage	input	output	length	mini jets	test mark	weight	Order No.
<b>with self-drain - 50 Hz</b>								
<b>A</b>	220 - 240V 50Hz	0,54 hp 0,40 kW	0,28 kW	315 mm	4 - 6	CE, ÖVE	4,7 kg	1711 WES
<b>A</b>	220 - 240V 50Hz	0,82 hp 0,60 kW	0,45 kW	315 mm	6 - 8	CE, ÖVE	5,5 kg	1712 WES
<b>A</b>	220 - 240V 50Hz	1,10 hp 0,80 kW	0,55 kW	315 mm	8 - 12	CE, ÖVE	5,9 kg	1713 WES
<b>A</b>	220 - 240V 50Hz	1,50 hp 1,10 kW	0,75 kW	339 mm	12 - 16	CE, ÖVE	7,6 kg	1714 WES
<b>with evacuation nipple - 50 Hz *</b>								
<b>B</b>	220 - 240V 50Hz	0,54 hp 0,40 kW	0,28 kW	286 mm	4 - 6	CE, ÖVE	4,6 kg	1711 WNS
<b>B</b>	220 - 240V 50Hz	0,82 hp 0,60 kW	0,45 kW	286 mm	6 - 8	CE, ÖVE	5,4 kg	1712 WNS
<b>B</b>	220 - 240V 50Hz	1,10 hp 0,80 kW	0,55 kW	286 mm	8 - 12	CE, ÖVE	5,8 kg	1713 WNS
<b>B</b>	220 - 240V 50Hz	1,50 hp 1,10 kW	0,75 kW	310 mm	12 - 16	CE, ÖVE	7,5 kg	1714 WNS
<b>with cartridge drain - 50 Hz</b>								
<b>C</b>	220 - 240V 50Hz	0,54 hp 0,40 kW	0,28 kW	275 mm	4 - 6	CE, ÖVE	4,6 kg	1711 WCS
<b>C</b>	220 - 240V 50Hz	0,82 hp 0,60 kW	0,45 kW	275 mm	6 - 8	CE, ÖVE	5,4 kg	1712 WCS
<b>C</b>	220 - 240V 50Hz	1,10 hp 0,80 kW	0,55 kW	275 mm	8 - 12	CE, ÖVE	5,8 kg	1713 WCS
<b>C</b>	220 - 240V 50Hz	1,50 hp 1,10 kW	0,75 kW	298 mm	12 - 16	CE, ÖVE	7,5 kg	1714 WCS

# JET PUMPS ECOLUTION WITH INTEGRATED C-PROFILE AND BUILT-IN PNEUMATIC CONTROL AND PNEUMATIC DRY-RUNNING PROTECTION



\* Nipple with 1/4" thread – different 1/4" connections possible - (see main catalogue chapter fitting)

with integrated C-profile

suitable for mounting with quick fix vario (series 26111X) - (see main catalogue chapter legs)

**cable length:** 1 m with wire end ferrules

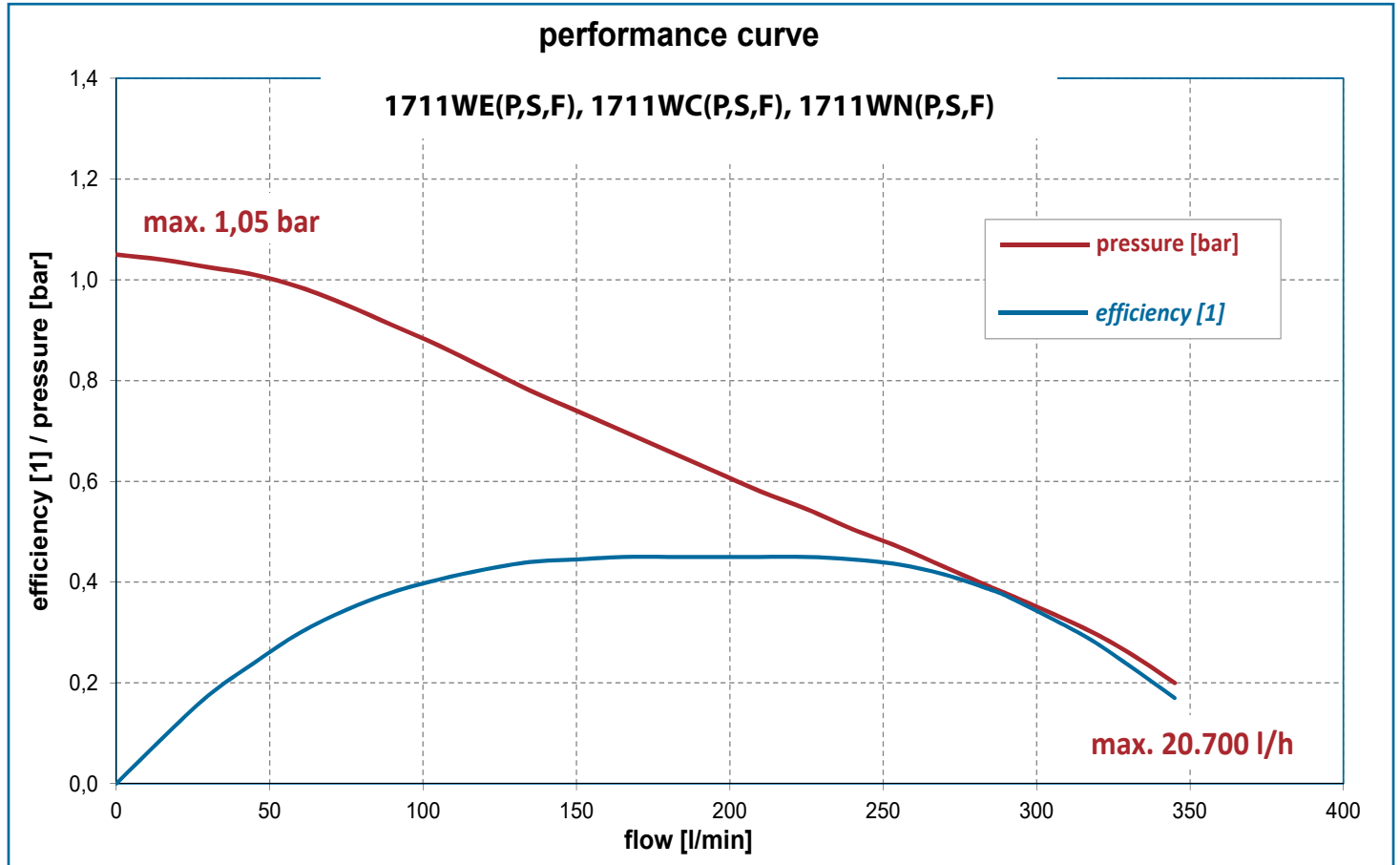
**system of protection:** IP X5

One mini jet is equivalent to about 3 micro jets.

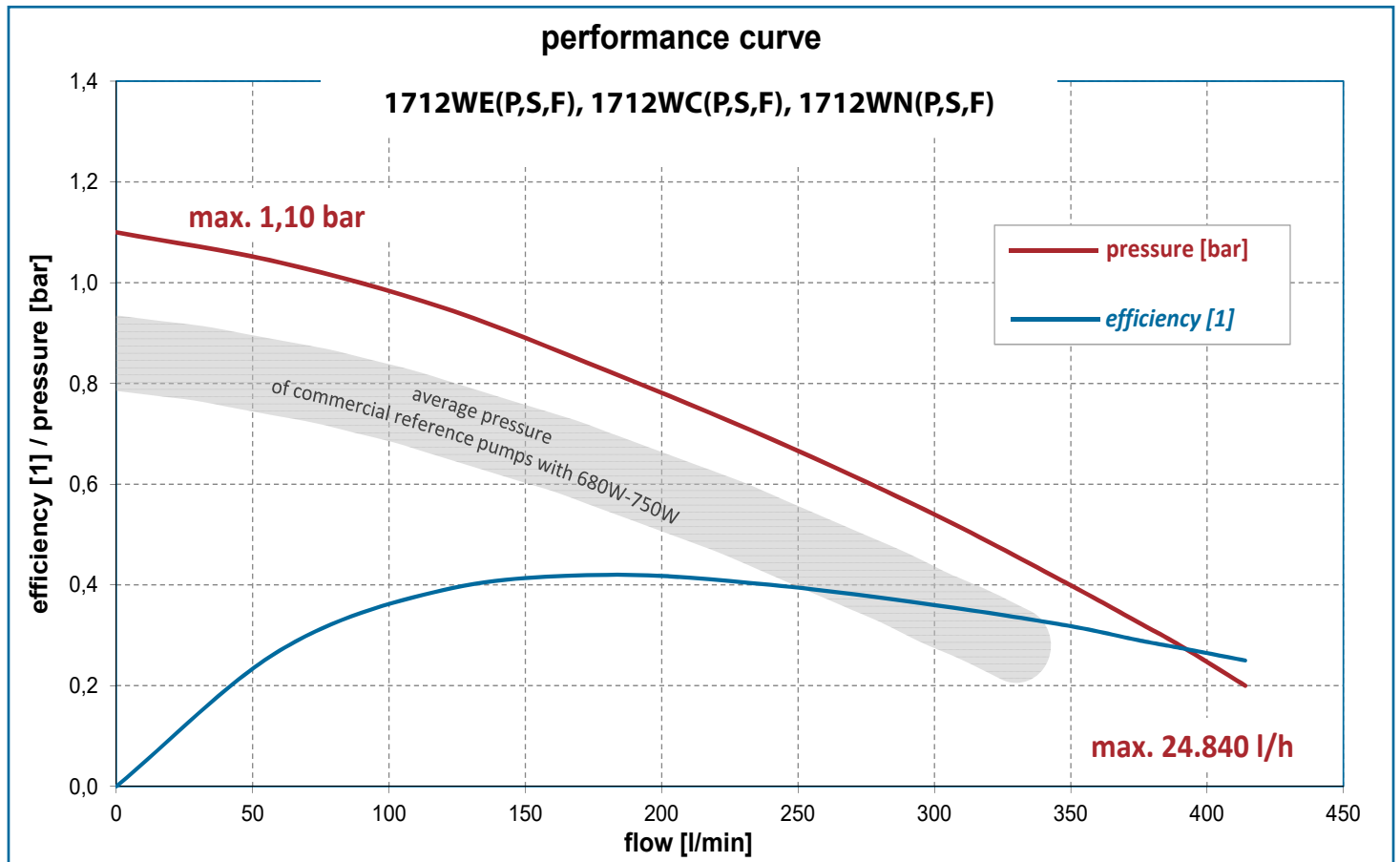


Photo	line voltage	input	output	length	mini jets	test mark	weight	Order No.
<b>with self-drain - 50 Hz</b>								
<b>A</b>	220 - 240V 50Hz	0,54 hp 0,40 kW	0,28 kW	315 mm	4 - 6	CE, ÖVE	4,5 kg	1711 WEF
<b>A</b>	220 - 240V 50Hz	0,82 hp 0,60 kW	0,45 kW	315 mm	6 - 8	CE, ÖVE	5,3 kg	1712 WEF
<b>A</b>	220 - 240V 50Hz	1,10 hp 0,80 kW	0,55 kW	315 mm	8 - 12	CE, ÖVE	5,7 kg	1713 WEF
<b>A</b>	220 - 240V 50Hz	1,50 hp 1,10 kW	0,75 kW	339 mm	12 - 16	CE, ÖVE	7,4 kg	1714 WEF
<b>with evacuation nipple - 50 Hz *</b>								
<b>B</b>	220 - 240V 50Hz	0,54 hp 0,40 kW	0,28 kW	286 mm	4 - 6	CE, ÖVE	4,4 kg	1711 WNF
<b>B</b>	220 - 240V 50Hz	0,82 hp 0,60 kW	0,45 kW	286 mm	6 - 8	CE, ÖVE	5,2 kg	1712 WNF
<b>B</b>	220 - 240V 50Hz	1,10 hp 0,80 kW	0,55 kW	286 mm	8 - 12	CE, ÖVE	5,6 kg	1713 WNF
<b>B</b>	220 - 240V 50Hz	1,50 hp 1,10 kW	0,75 kW	310 mm	12 - 16	CE, ÖVE	7,3 kg	1714 WNF
<b>with cartridge drain - 50 Hz</b>								
<b>C</b>	220 - 240V 50Hz	0,54 hp 0,40 kW	0,28 kW	275 mm	4 - 6	CE, ÖVE	4,4 kg	1711 WCF
<b>C</b>	220 - 240V 50Hz	0,82 hp 0,60 kW	0,45 kW	275 mm	6 - 8	CE, ÖVE	5,2 kg	1712 WCF
<b>C</b>	220 - 240V 50Hz	1,10 hp 0,80 kW	0,55 kW	275 mm	8 - 12	CE, ÖVE	5,6 kg	1713 WCF
<b>C</b>	220 - 240V 50Hz	1,50 hp 1,10 kW	0,75 kW	298 mm	12 - 16	CE, ÖVE	7,3 kg	1714 WCF

## ECOLUTION 400 W: HIGHER DELIVERY VOLUME - VERY HIGH EFFICIENCY

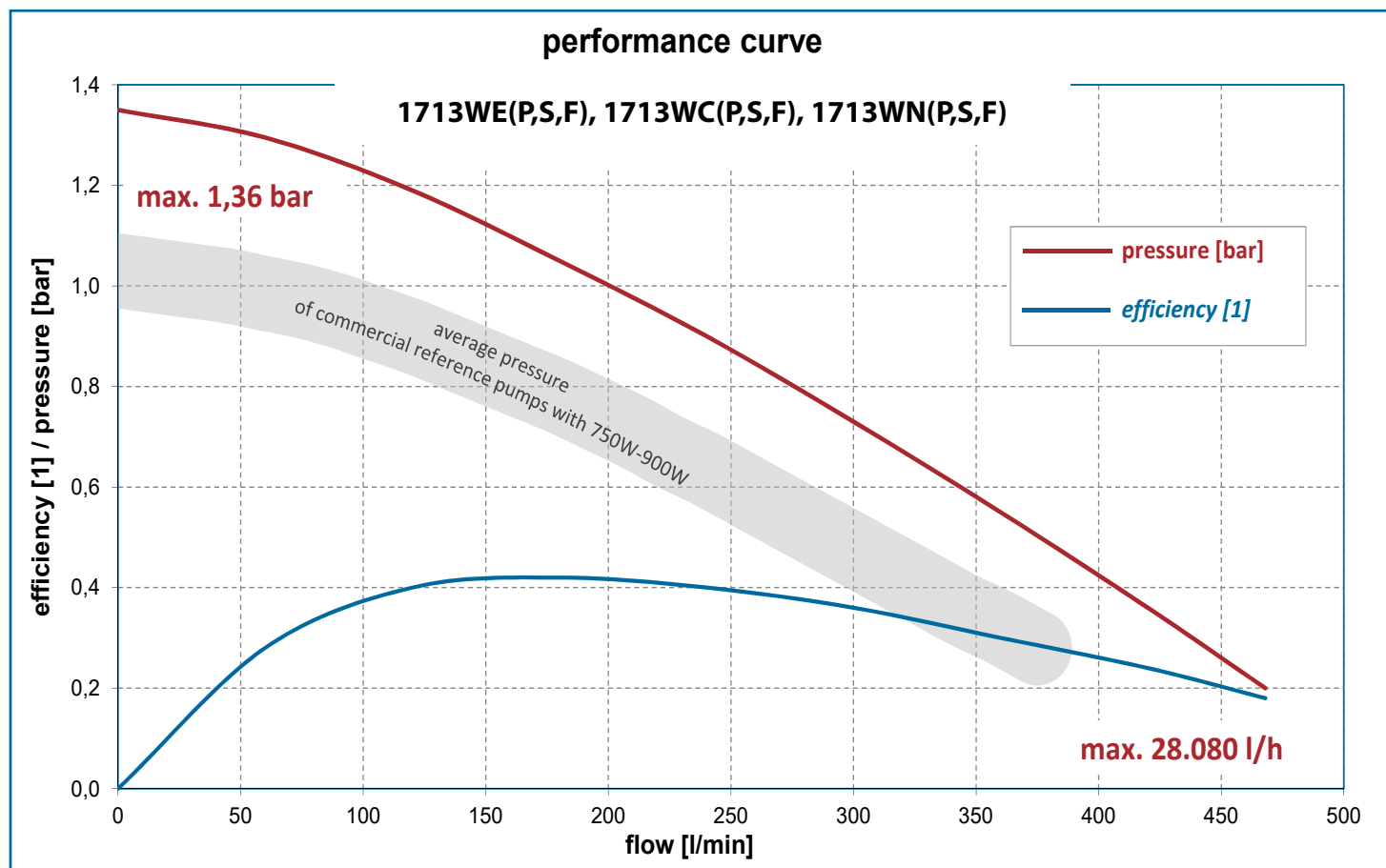


## ECOLUTION 600 W: HIGHER DELIVERY VOLUME THAN COMPARABLE REFERENCE PUMPS

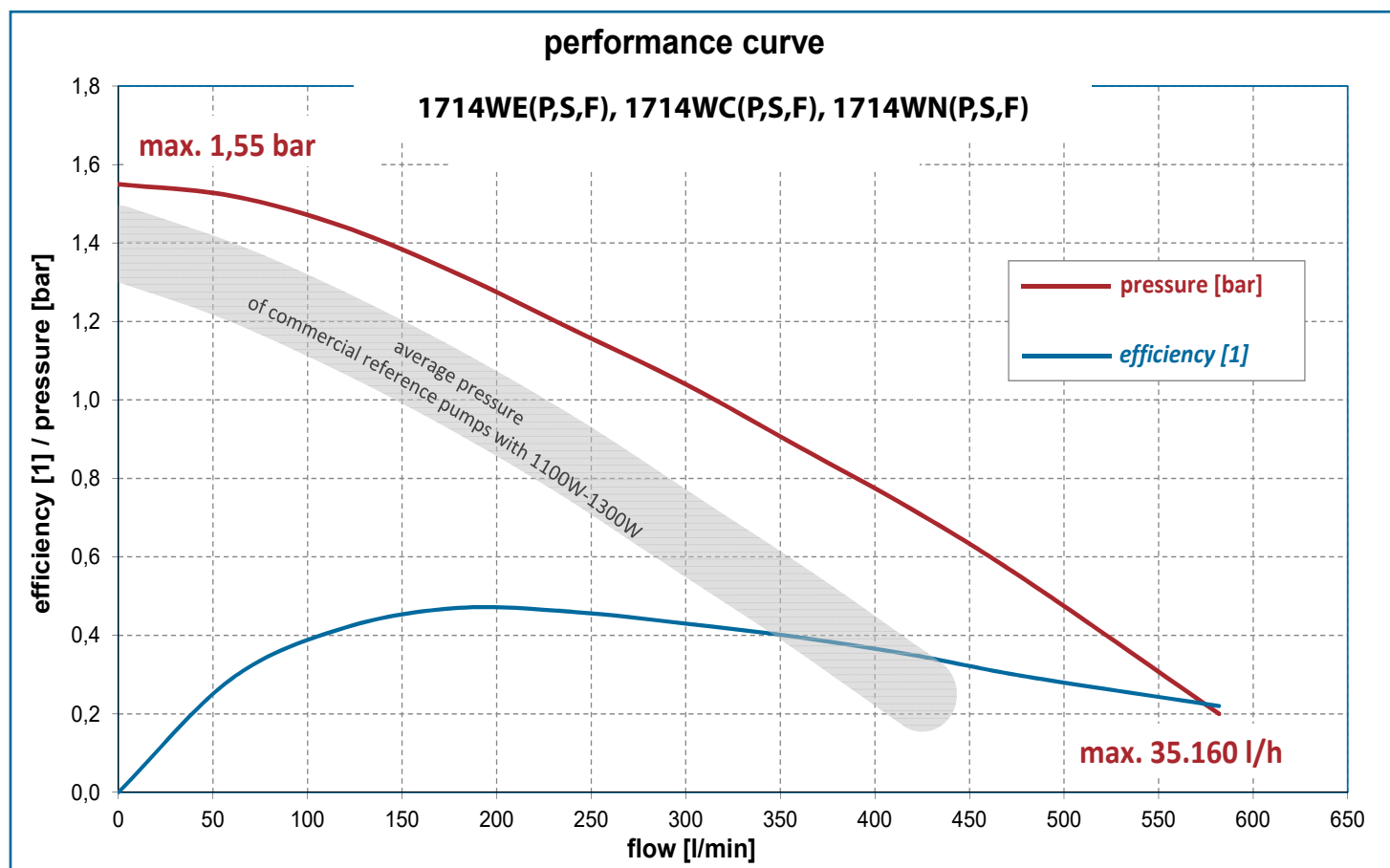




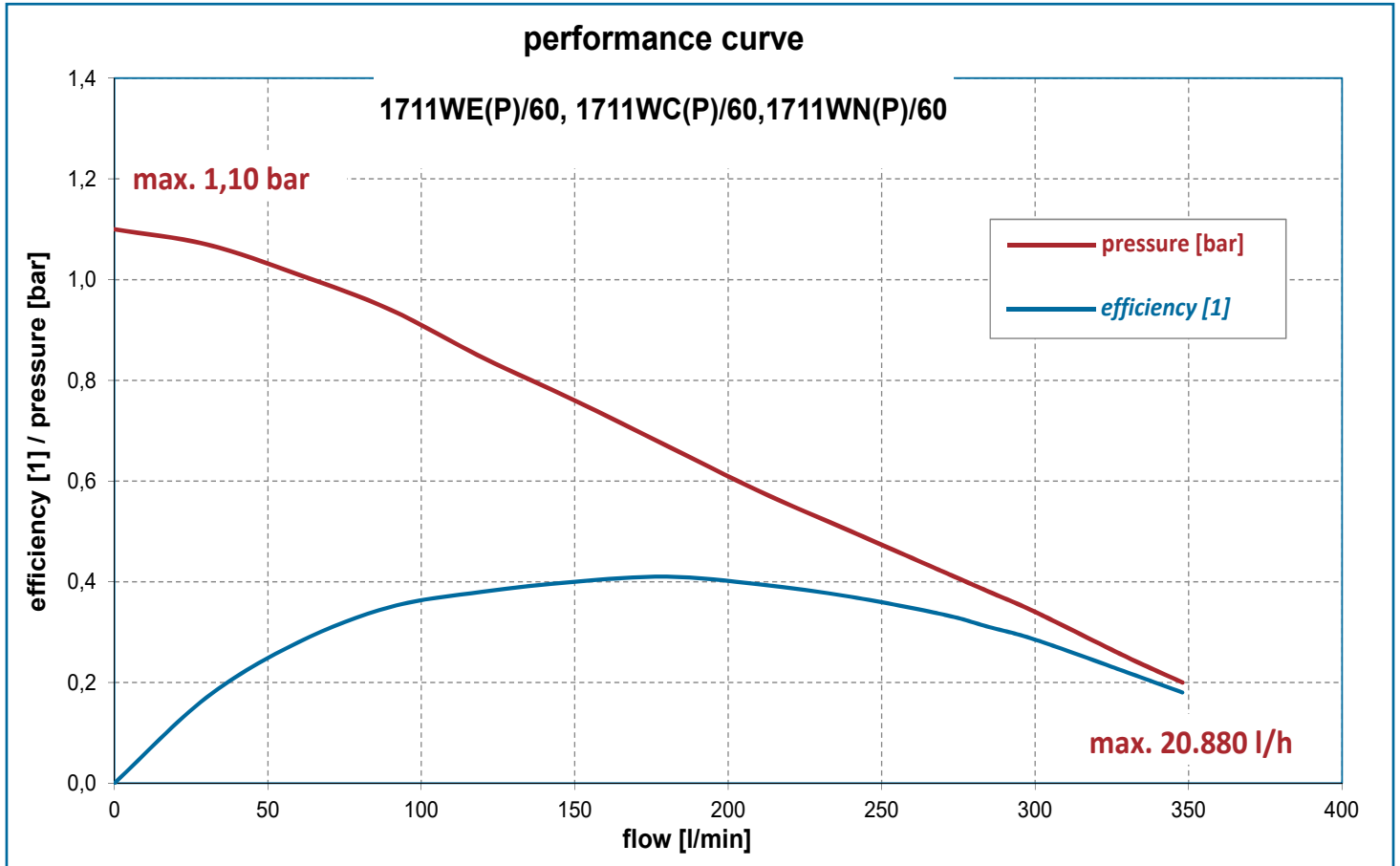
## ECOLUTION 800 W: HIGHER DELIVERY VOLUME THAN COMPARABLE REFERENCE PUMPS



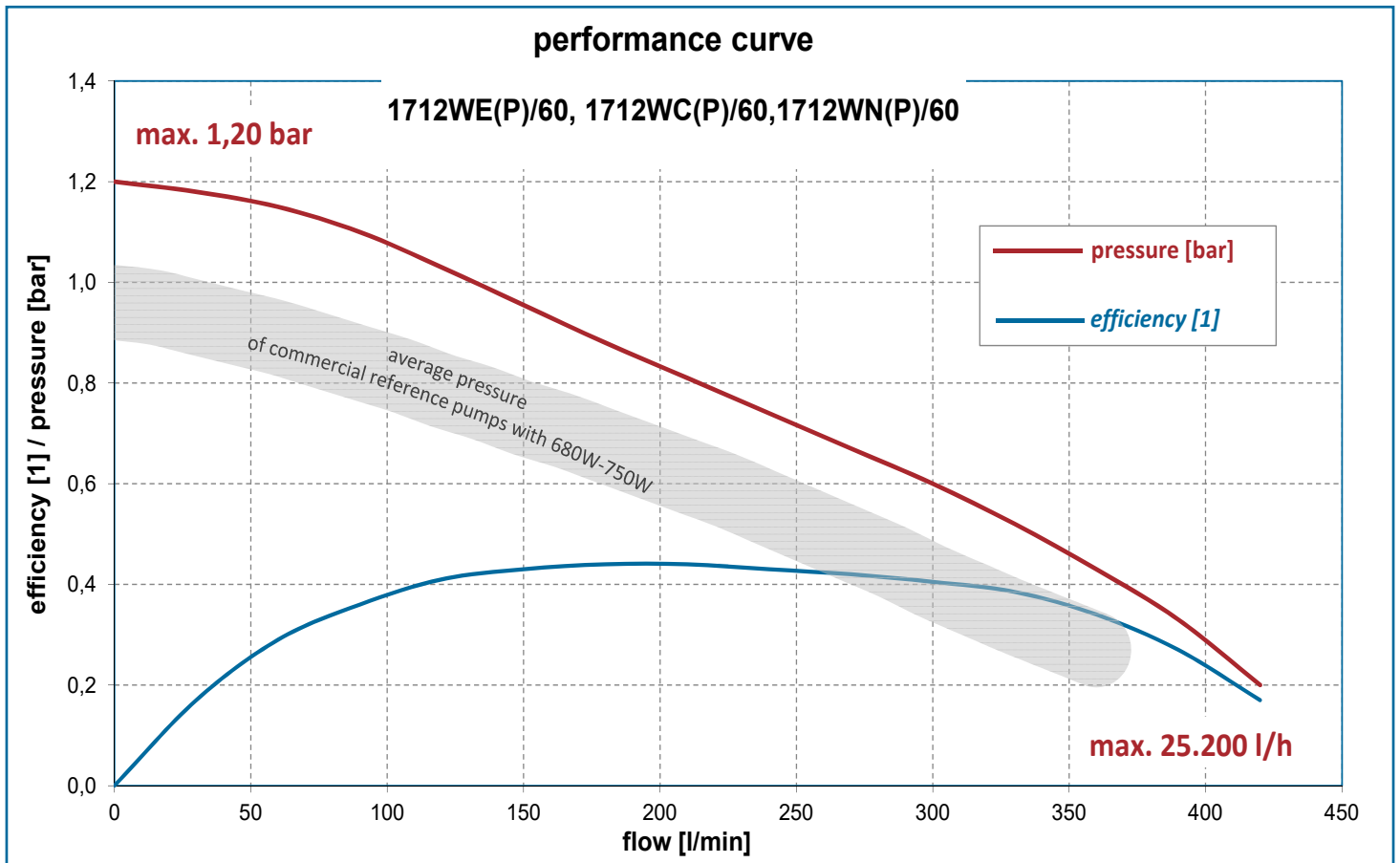
## ECOLUTION 1100 W: HIGHER DELIVERY VOLUME THAN COMPARABLE REFERENCE PUMPS



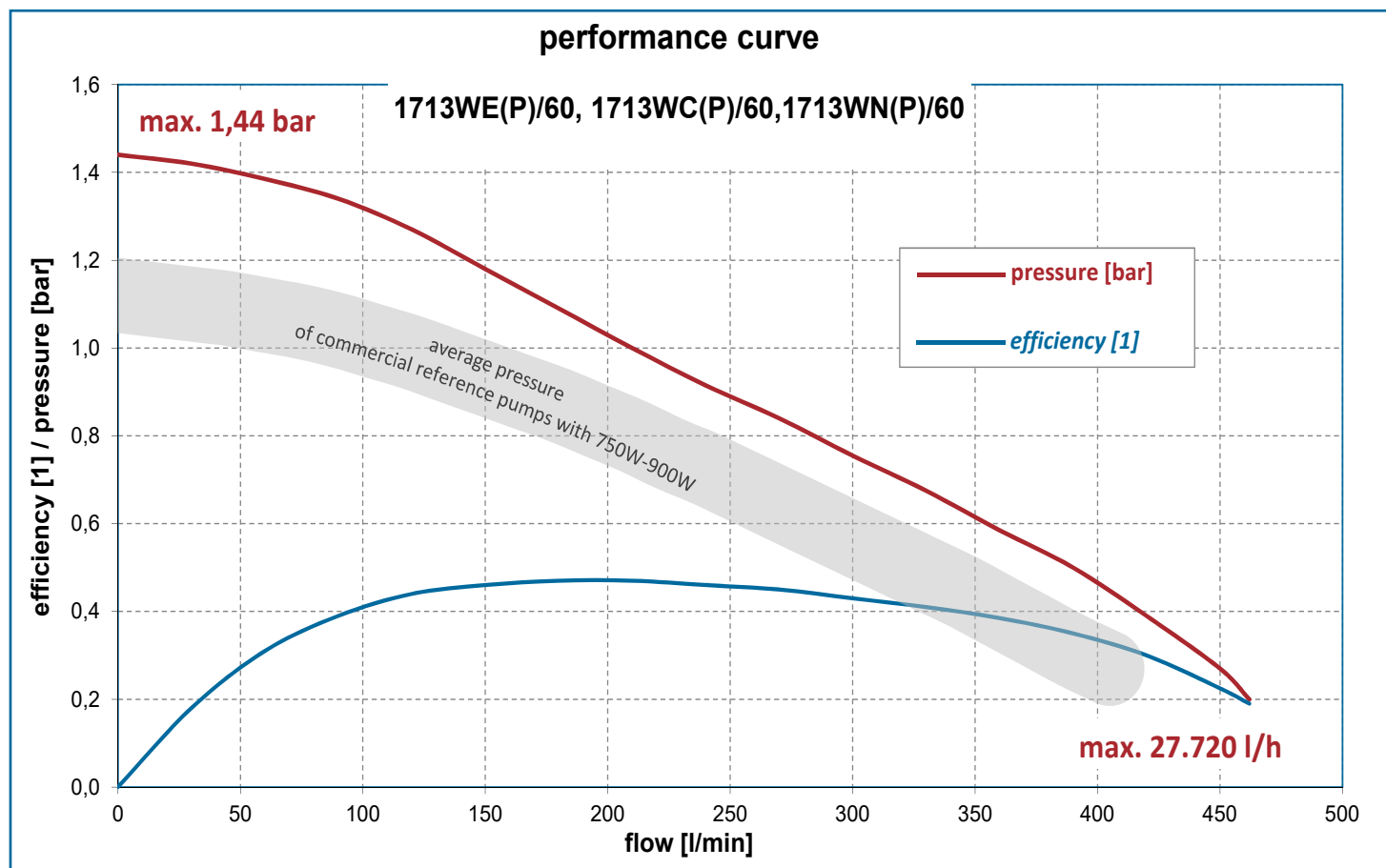
## ECOLUTION 400 W: HIGHER DELIVERY VOLUME THAN COMPARABLE REFERENCE PUMPS



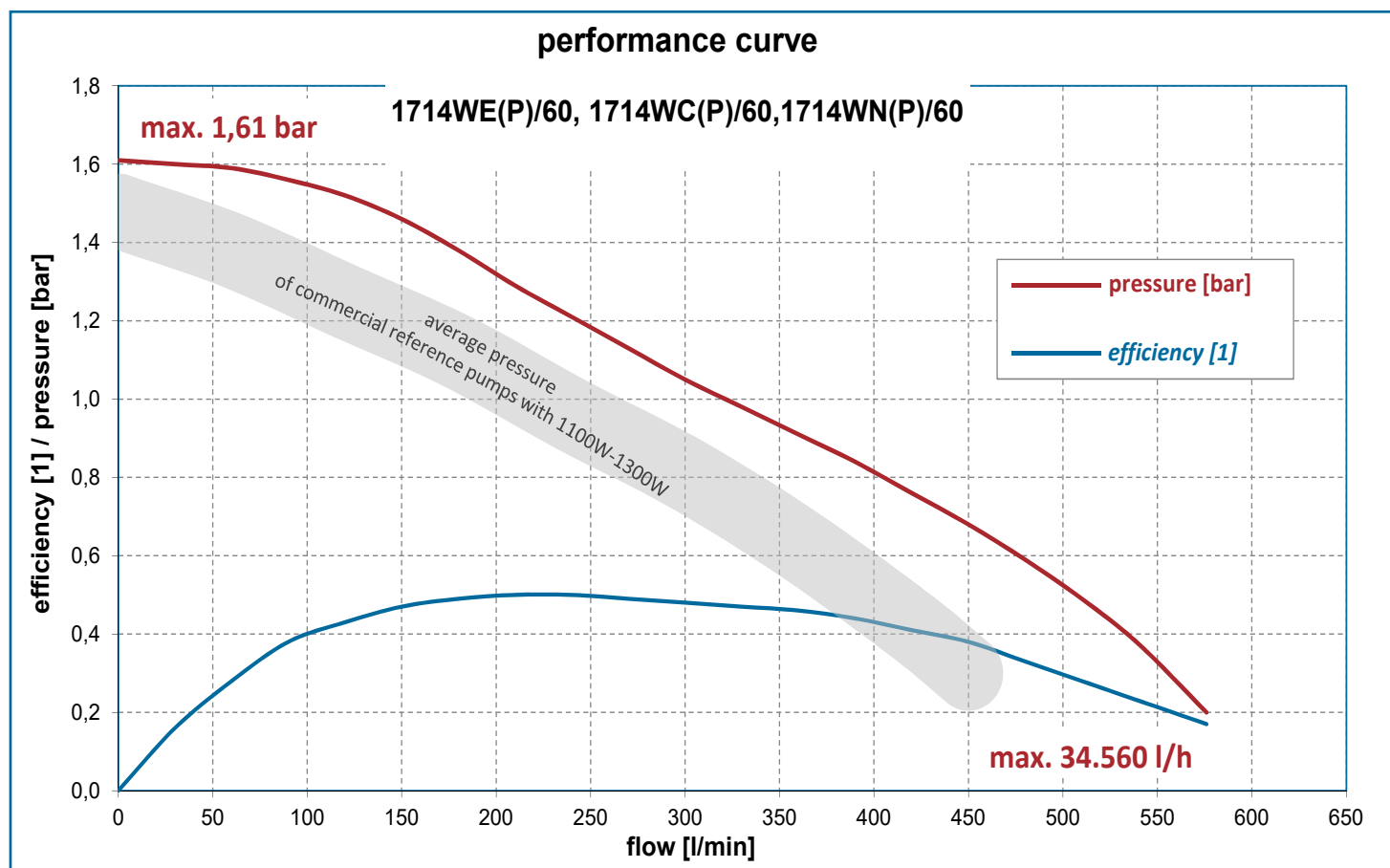
## ECOLUTION 600 W: HIGHER DELIVERY VOLUME THAN COMPARABLE REFERENCE PUMPS



## ECOLUTION 800 W: HIGHER DELIVERY VOLUME THAN COMPARABLE REFERENCE PUMPS



## ECOLUTION 1100 W: HIGHER DELIVERY VOLUME THAN COMPARABLE REFERENCE PUMPS



# JET PUMPS ECOLUTION WITH INTEGRATED C-PROFILE WITH BUILT-IN ELECTRONIC CONTROL - FOR UP TO 4 FUNCTIONS



C-PROFILE

variant of software 240 9043A-SXX

variant of software	blower			pump			spa light	heating	zone electronic control panel	dry out	light therapy	OFF-timer
	ON / OFF	◊ interval <sup>1) 2)</sup>	Status-LED <sup>3)</sup>	ON / OFF	◊ interval <sup>1) 2)</sup>	Status-LED	ON / OFF	automatically with pump	motorized valve 12VDC	◊ automatic/alt. button <sup>4) 5)</sup>	power supply 5V/10V <sup>6)</sup>	in minutes
S02	✓	✓	✓	✓	✓		✓		✓	✓	1 x 8W	20
S03				✓	✓	✓	✓	✓	✓		1 x 8W	20

<sup>1)</sup> It is possible to select this function through the basic adjustments.

<sup>2)</sup> interval: ON/OFF

<sup>3)</sup> status LED: The status of the tub is indicated through the status LED.

<sup>4)</sup> alt. button: Alternatively it is possible to switch on / switch off the function rewash or dry out with an additional button.

<sup>5)</sup> only allowed with a blower

<sup>6)</sup> Motorized valve and light therapy max. 8W together

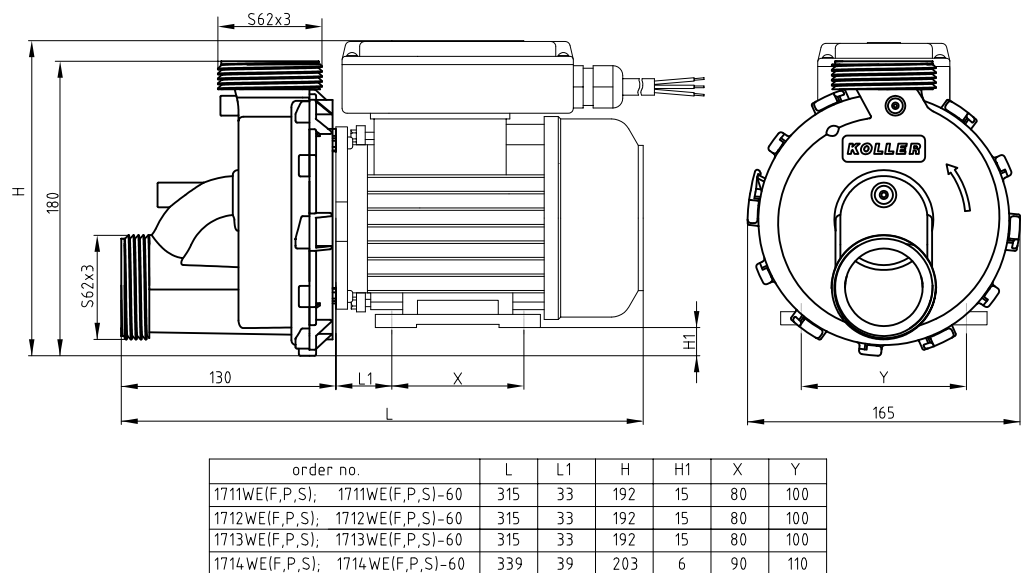
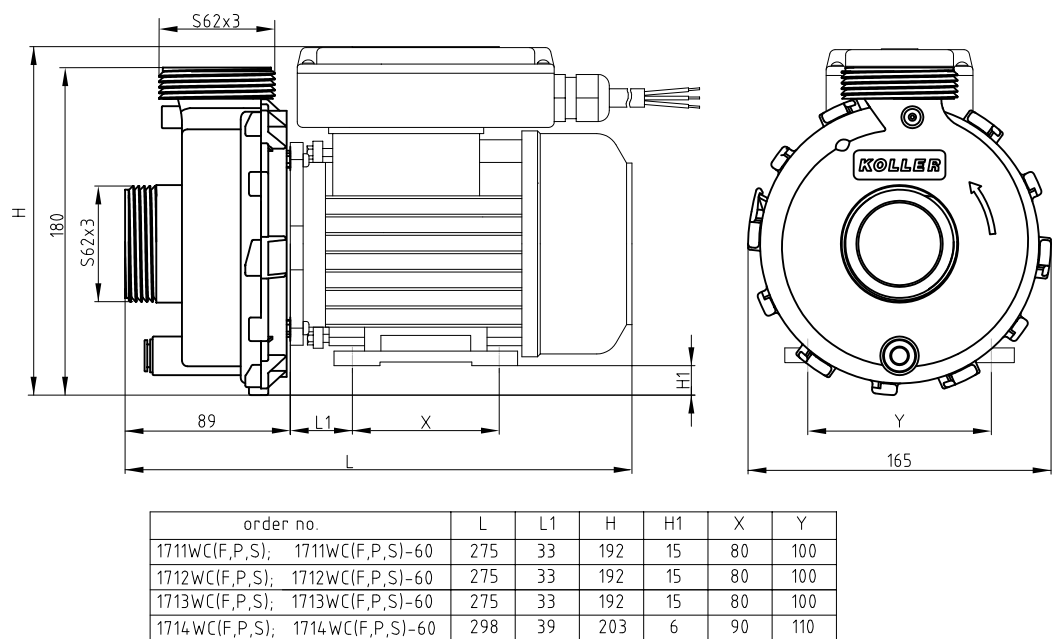
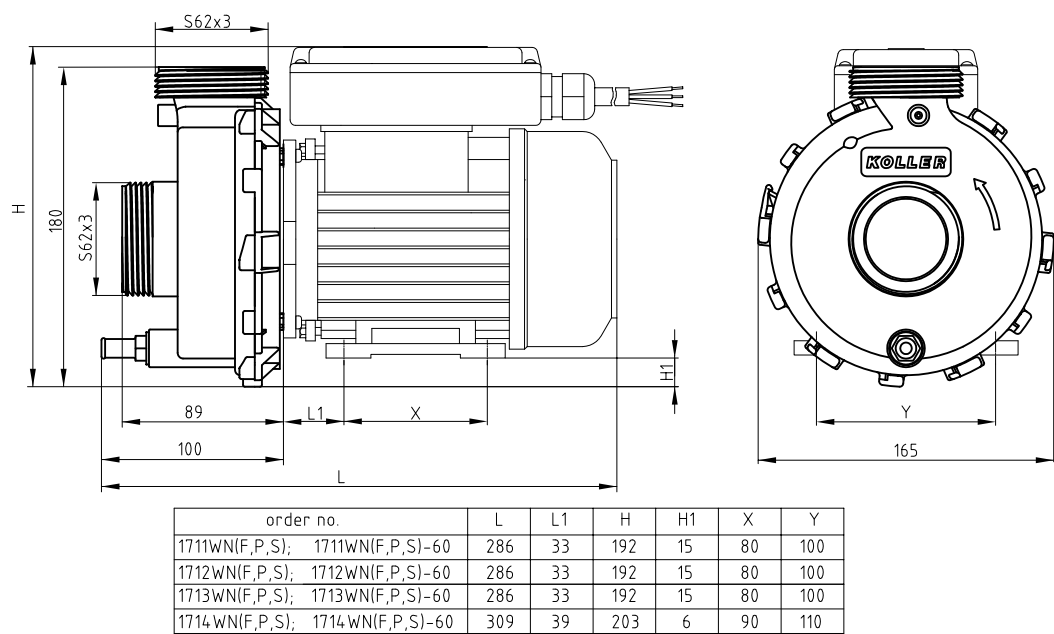
heating	Switch on automatically if the pump works.
motorized valve 12V DC	drive unit for motorized valve The zone valve works in combination with the pump!
dry out	Starts automatically, if water was in the bath tub. The dry out starts about 20 minutes after the tub is empty. Alternatively it is possible to start / stop this function with a button. duration of the dry out: 3 minutes
light therapy	It is run through a color wheel of a changing mix of RGB colors recurring. Color wheel can be stopped, individual colors can be selected.

## OFF-Timer

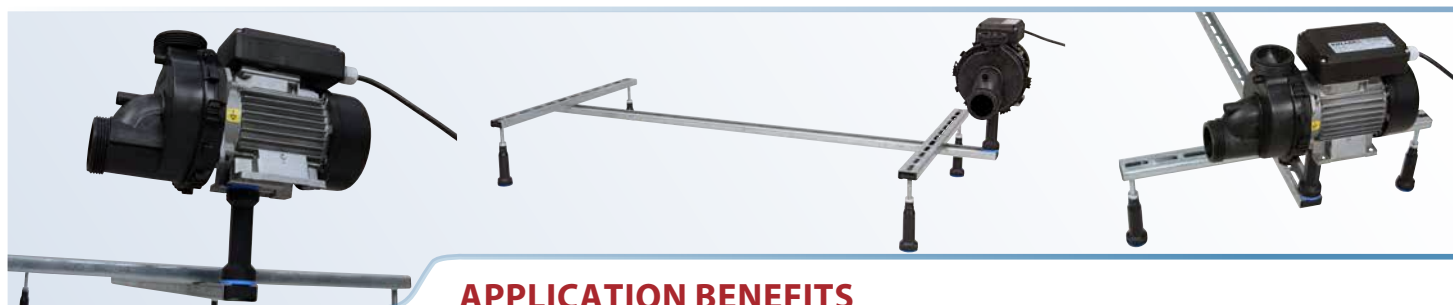
The running time limiter is activated, when the status indicator reads „Pool ready“ and the control panel registers the first pressing of the button. All whirlpool functions may be used as much, as you desire during the operating period. Upon reaching the running time limit, appliances switch off automatically. Should all functions be switched off during this time, the running time limiter will also reset automatically. The appliances may be immediately switched on after the automatic stop.



DIMENSIONAL DRAWINGS



## QUICK FIX VARIO



### APPLICATION BENEFITS

The fixation system "Quick Fix Vario" developed and patented by KOLLER has considerably simplified the attachment of Whirl-pool pumps - because it simultaneously ensures

- **RAPID assembly** (QUICK)
- stable and **SECURE attachment** (FIX) and
- **VARIABLE adaptation** of the system (VARIO) based on individual (space) requirements
- **COST SAVING** through less assembling auxiliaries

- **directly attaching** of the pump to the C-profile of the tub frame
- **easy mounting** without any tools
- Quick Fix Vario **replaces** the **mounting plate** as well as the **feet**
- available in **5 different heights** from 100 to 140 mm
- **sound-damping** effect - as there is no mechanical contact of metal parts
- fulfills an important **buffer function of vibration damping** with the engine running

**SO EASY AND QUICK** THE PUMP MOUNTING WORKS WITH QUICK FIX VARIO:



At the bottom of the pump there is a C-profile, which is required for the pump mounting.



Push the square washer (labelled "LEFT") of the Quick Fix Vario into the C-profile of the pump.



Screw on the Quick Fix Vario in the middle of the C-profile only slightly by turning clockwise.

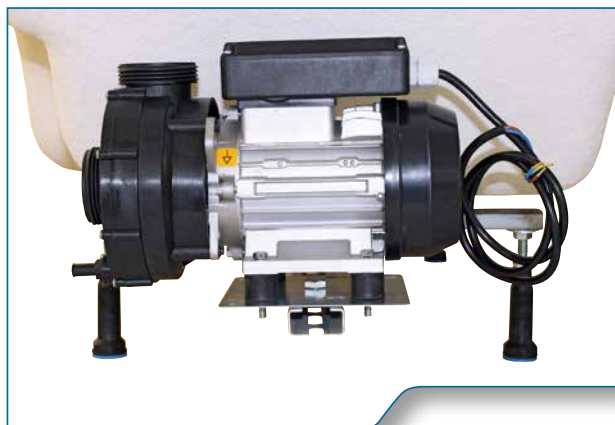


Finally, slide the lower square washer into the C-profile of the tub frame. By again turning clockwise, the Quick Fix Vario pulls up and down evenly. Now align the pump according to any spatial requirements and ultimately fix by turning clockwise the pump base. Done!

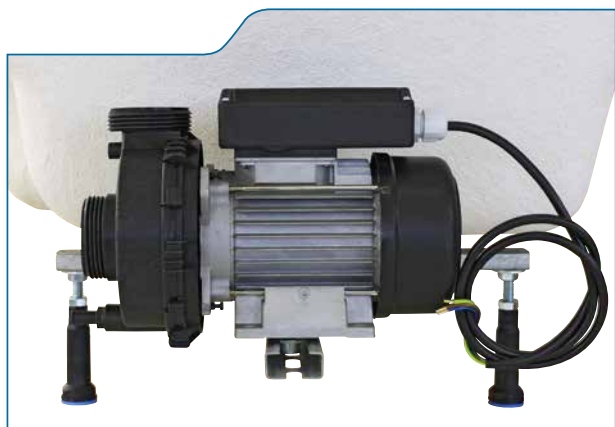
G-PROFILE

C-PROFILE

SPACE SAVING AND COST SAVING COMPARED



WITHOUT C-PROFILE

For the jet pump without C-Profil you need **15 pieces!**

WITH C-PROFILE

For the jet pump with C-Profil you need **4 pieces!**

## C-profile mounting + Quick Fix Vario

**Screw 69121020**

Order No. VZ-69121020  
VZ-9121020

see main catalogue page 5.16

**Washer 4401133**

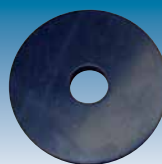
Order No. VZ-4401133

see main catalogue page 5.24

**Square washer series 685-XX**

Order No. P-685-10  
P-685-12

see main catalogue page 5.17

**Rubber washer NBR-601250**

Order No. NBR-601250

see main catalogue page 5.16

**Square washer for fixing series 684-XX**

Order No. P-684-10  
P-684-12

see main catalogue page 5.17

**Quick fix vario series 26111X**

Order No. P-261110  
P-261111  
P-261112  
P-261113  
P-261114

see main catalogue page 5.19

# For each connection an appropriate union

Choose from the large program diversity - from straight fittings or angles from 23 ° to 90 ° to different tees.

## Unions – suction line and pressure line

	<b>Union series 858</b>  Order No. P-858-32 * 858-40 858  <i>see main catalogue page 8.19</i> <i>* suitable only for pressure line</i>		<b>Union 858/A</b>  Order No. P-858/A  <i>see main catalogue page 8.20</i>
	<b>Union 858-1</b>  Order No. P-858-1  <i>see main catalogue page 8.20</i>		<b>Elbow 90° 859-40</b>  Order No. P-859-40  <i>see main catalogue page 8.21</i>
	<b>Elbow 90° 859-50</b>  Order No. P-859-50  <i>see main catalogue page 8.21</i>		<b>Elbow 67° series 859-42</b>  Order No. P-859-42 P-859-52  <i>see main catalogue page 8.21</i>
	<b>Elbow 45° series 859-41</b>  Order No. P-859-41 P-859-51  <i>see main catalogue page 8.21</i>		<b>Elbow 23° series 859-43</b>  Order No. P-859-43 P-859-53  <i>see main catalogue page 8.22</i>

## Unions – pressure line

	<b>Tee series 860</b>  Order No. P-860-20 P-860  <i>see main catalogue page 8.22</i>		<b>Tee series 861-X</b>  Order No. P-861-1 P-861-2  <i>see main catalogue page 8.22</i>
	<b>Tee series 2862-X</b>  Order No. P-2862-1 P-2862-2  <i>see main catalogue page 8.22</i>		<b>Tee series 2861</b>  Order No. P-2861 P-2861-2  <i>see main catalogue page 8.23</i>
	<b>Tee union with cartridge series 8601X-X</b>  Order No. P-86012-6 P-86012-8 P-86012-10 P-86016-6 P-86016-8 P-86016-10  <i>see main catalogue page 8.20</i>		<b>Tee union with clip on connection series 860120-X</b>  Order No. P-860120-6 P-860120-8 P-860120-10  <i>see main catalogue page 8.20</i>



# Double union without gluing!

Double unions are – **for individual adaptation to any spatial requirements** - available:



straight connection



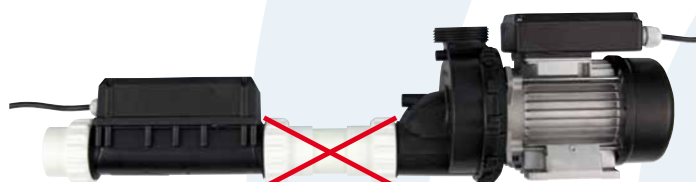
corner solution with a 90°



or 45° connection

## ADVANTAGES OF THE DOUBLE UNION

- **Cost savings in purchasing**, because instead of 3 parts (2 x union, 1 x pipe / hose) only one part needs to be purchased now, which in comparison is much cheaper
- **Cost savings in mounting**, as due to the omission of the gluing process including drying time a significant time savings is possible!
- **Consciously service friendly**: Due to their easy separability, related components can be exchanged easily and quickly in case of service.
- **Space-saving** - short, compact connection, because each mm space is important.



Space-saving connection possibility of a heating with the pump



## Double unions – for heating, etc.



### Double union 25181

Order No.

P-5181

see main catalogue page 6.5



### Double union 90° 5182

Order No.

P-5182

see main catalogue page 6.5



### Double union 45° 5183

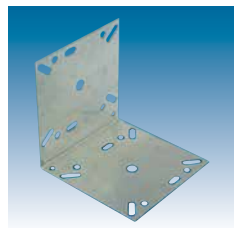
Order No.

P-5183

see main catalogue page 6.5



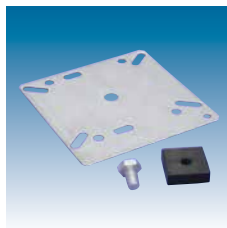
## Standard mounting



### Mounting angle 670-51

Order No. VZ-670-51

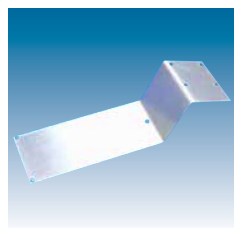
see main catalogue page 5.6



### Universal tool carrier 670-50

Order No. VZ-670-50

see main catalogue page 5.19



### Mounting plate angled for jet pump 670-30

Order No. VZ-670-30

see main catalogue page 5.8



### Leg 857-1

Order No. 857-1

see main catalogue page 8.23



### Leg 857

Order No. 857  
857-18

see main catalogue page 8.23

## 1/4" connections for drain of remaining water



### Elbow 90° 600990/B

Order No.: P-600990/B

see main catalogue page 4.3



### Hose nipple 90219

Order No.: P-90219

see main catalogue page 4.14



### Elbow 90° 600990-D

Order No.: P-600990-D

see main catalogue page 4.3



### Hose nipple 90219-D

Order No.: P-90219-D

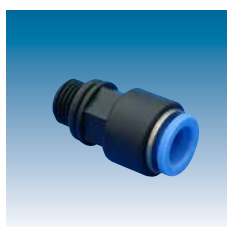
see main catalogue page 4.14



### Screw plug 90220

Order No.: P-90220

see main catalogue page 4.14



### Cartridge connection with thread 90219-10

Order No.: P-90219-10

see main catalogue page 4.22

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