

## Vision

The startup cStream manufactures innovative fluid-conveying pumps whose performance in terms of weight and volume is many times greater than that of conventional pumps.

We want to use them to increase the range of electric vehicles, equip mobile delivery robots with a cooling system, and improve people's quality of life with tiny insulin pumps.

## Customer Benefits

The technical advantages of the cStream fluid pump offer you unprecedented possibilities in product design.

- Transform a **stationary product** into a **mobile one**.
- Give your products a **fascinating design**.
- Inspire your customers with your **whisper-quiet devices**.
- Increase the usability by an **ergonomic weight** of your product.
- Ease the burden on your customers' wallets through **efficient operation**.
- **Improve** your **image** through the use of innovative technology.

## About Us

Our young team consists of five engineers and two business economists who have enjoyed different careers both professionally and academically. The areas of electrical and production engineering as well as business administration are covered by the competence profile. At the "Strascheg Center of Entrepreneurship", an affiliated institute of the Munich University of Applied Sciences, the team develops the innovative fluid-conveying technology.



## Contact



cStream  
Heß Street 89  
80797 Munich  
Germany



+49 176 7825 3846



info@c-stream.eu



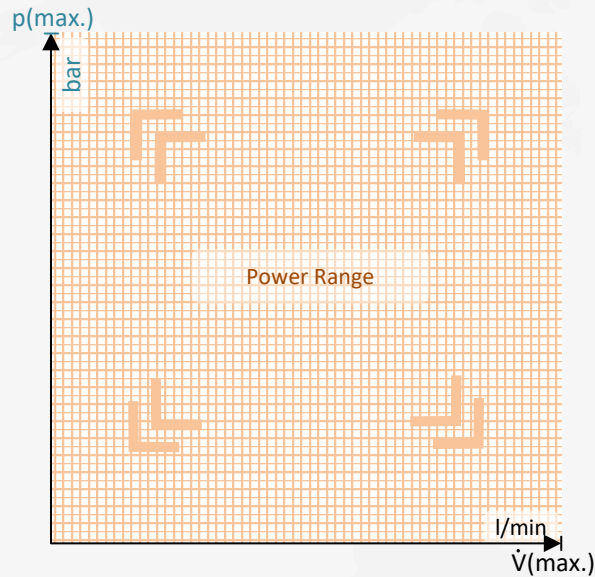
www.c-stream.eu

## cStream



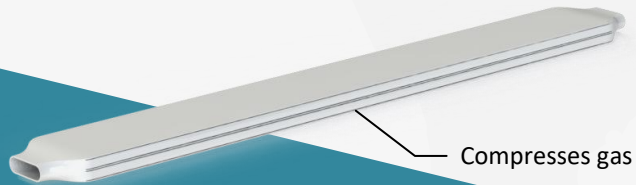
## Highlights

- ★ Pressure and flow rate can be controlled independently of each other. Thus, **every point in the performance range** can be controlled.



### Compressor

Product example



#### Technical data

Flow rate	max. 8,5	l/min
Pressure	max. 7,5	bar
Power consumption	max. 45,8	W
Dimension (without plug)	140x42x4,7	mm
Weight	88	g
Volume	<32	db

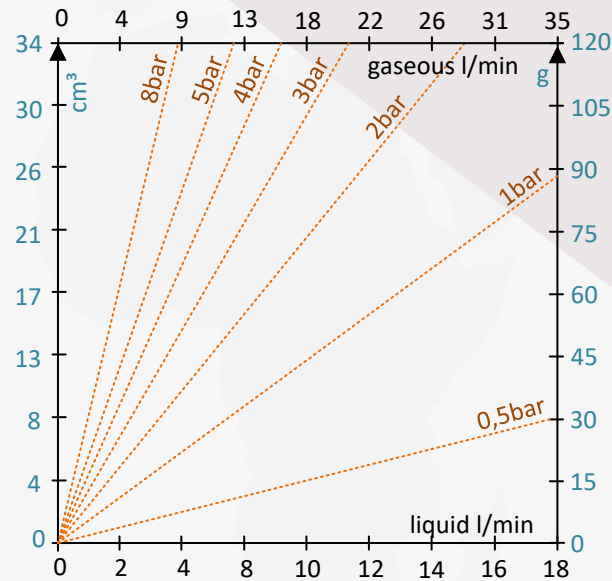
- ★ Low weight and volume.

Pump { 85% lighter\*  
90% smaler\*

Compressors { 91% lighter\*\*  
95% smaler\*\*

\*Compared to a gear pump

\*\*Compared to a reciprocating compressor



- ★ All movements within the conveying unit cancel each other out, **enabling quiet and low-vibration operation.**

- ★ Decompression and compression in one unit, enables simply constructed heat pumps for simultaneous cooling and heating.

## Technical Features

- Self-priming
- Conveying in both directions
- No contamination of the pumping medium
- Two delivery channels allow an almost **constant delivery rate**
- Temperature range from -60 to +125°C
- High dosing accuracy
- Efficiency > 0,9
- Optional: An open design allows a hose to be clamped between the diaphragms for **sterile operation.**

### Pump

Product example



#### Technical data

Flow rate	max. 0,92	l/min
Pressure	max. 2,2	bar
Power consumption	max. 3,7	W
Dimension (without plug)	55x24x3,7	mm
Weight	12	g
Volume	<32	db