pipejet®

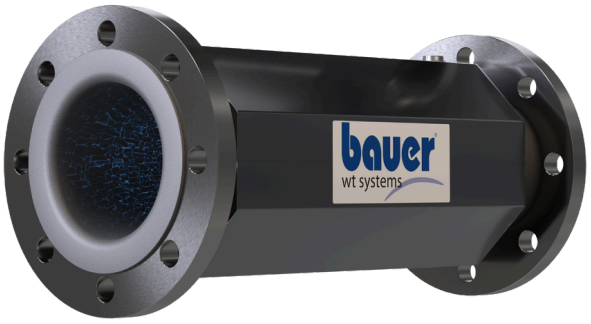
PJM SERIES

CHEMICAL-FREE WATER TREATMENT SYSTEM

The pipe*jet*®system utilises state-of-the-art electromagnetic technology for efficient and chemical-free water treatment.

It helps to significantly reduce deposits and prevent the re-formation of deposits caused by rust, limescale or biofilm.
This significantly increases plant efficiency and ensures the safety and cleanliness of the systems.

The system is designed for a wide range of water qualities, operates independently and is completely maintenance-free.



MAINTENANCE-FREE
No wear parts.
No regular adjustments required.

CHEMICAL-FREE
Environmentally friendly water treatment without chemicals.

SCALE REDUCTION
Helps reduce scale formation and improves system efficiency.

BIOFILM & PATHOGEN CONTROL
Reduction and prevention of biofilms, Legionella, bacteria and viruses.

DEPOSIT & CORROSION PROTECTION
Removal and prevention of deposits and corrosion.

INTEGRATED MONITORING
Operating status monitoring via potential-free contact.

TECHNICAL OVERVIEW

Power supply	220–240 V AC (50/60 Hz)
Max. power consumption	100 W
Protection class (Control Unit)	IP54
Protection class (Treatment Unit)	IP40
Max. operating pressure	up to 16 bar
Max. medium temperature	up to 110 °C
Connection range	DN 20 – DN 100
Material (standard)	Stainless steel 1.4401 (AISI 316L)
Certifications	GS, CE
Standards	ISO 9001:2015

- Designed to support compliance with VDI 2035 guidelines for water quality in closed-loop heating systems.

TYPICAL APPLICATIONS

Heating systems | Cooling systems | Tap water systems | Process water systems

Bauer Watertechnology Systems AB
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www.bauer-wts.se

We reserve the right to make technical changes.

1. SYSTEM COMPONENTS

CONTROL UNIT

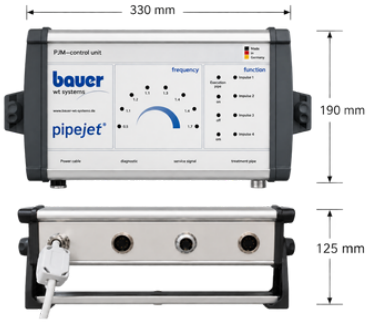
- Generates variable frequencies based on an advanced algorithm
- Low power consumption
- Integrated monitoring
- Potential-free signal output

TREATMENT UNIT

- Inline or bypass installation
- Creates powerful electromagnetic fields
- Chemical-free treatment
- Multiple connection options

2. CONTROL UNIT SPECIFICATIONS

Power supply	220-240 V AC (50/60 Hz)
Power consumption	70 W
Connection	Schuko plug (grounded safety plug), cable length 1.65 m
Signal cable	Bauer special cable, length 1.90 m
Protection class	IP54
Dimensions (W × H × D)	approx. 330 x 190 x 125 mm
Weight	approx. 2.8 kg



3. TREATMENT UNIT SPECIFICATIONS

Model PJM	DN (mm)	Connection	Material (standard)	Dimensions (mm)		Max. Pressure (bar)	Max. Temp (°C)	Weight (kg)
				L	ØD			
PJM 20i	20	Internal thread ¾"	AISI 316L	306	60	16	110	2.1
PJM 25i	25	Internal thread 1"	AISI 316L	338	60	16	110	3.6
PJM 32i	32	Internal thread 1 ¼"	AISI 316L	390	70	16	110	4.3
PJM 40i	40	Internal thread 1 ½"	AISI 316L	390	70	16	110	4.9
PJM 50i	50	Internal thread 2"	AISI 316L	410	90	16	110	8.6
PJM 50F	50	Flange DN50	AISI 316L	436	165	16	110	10.9
PJM 65F	65	Flange DN65	AISI 316L	410	185	16	110	13.8
PJM 80F	80	Flange DN80	AISI 316L	444	200	16	110	16.5
PJM 100F	100	Flange DN100	AISI 316L	440	220	16	110	20.6

Made in Germany

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4. GENERAL INFORMATION

Protection class	IP40
Standard material	Stainless steel 1.4401 (AISI 316L)
Approved / Certifications	GS, CE
Standards	ISO 9001:2015

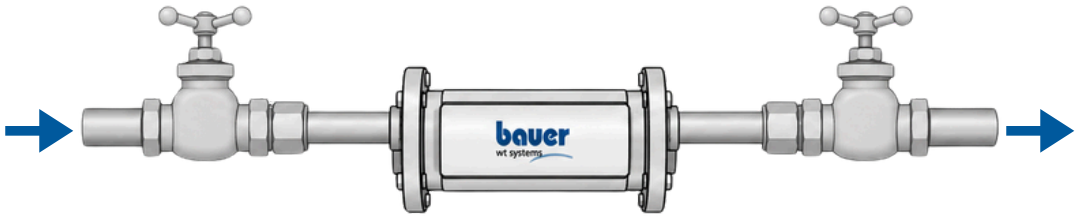
5. CONNECTION OPTIONS

Internal thread
DN 20 - DN 50

Flange connection
DN 50 - DN 100

6. INSTALLATION

INLINE INSTALLATION



INSTALLATION REQUIREMENTS

- Indoor installation only.
- Install in a dry and frost-protected environment.
- Avoid installation in close proximity to strong electromagnetic sources.
- Inline or bypass installation possible.
- Electrical installation must comply with local regulations.
- Ensure proper grounding of the control unit.

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