

9 Technical data

9.1 Mode of operation

Mode of operation	S1 (IEC 60034-1)
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9.2 Weight/dimensions

Width	213 mm
Depth	207 mm
Height	250 mm
Weight	5 kg

9.3 Power supply

Voltage	100 V – 240 V, AC, 10 %
Frequency	50 Hz – 60 Hz
Power consumption	40 W
Protection class	I
Oversvoltage category	II (IEC 61010-1)
Micro fuse	T 2.5 A/250 V

9.4 Interfaces

9.4.1 USB

Type	Slave
Use	Service

9.4.2 RS 232

Baud rate	9600
Start bit	1
Data bits	8
Parity	none
Stop bit	2

Technical dataFemtoJet® 4i
English (EN)9.4.3 Injection time t_i

Time interval	0.10 s – 99.99 s
Increment	0.01 s

9.4.4 Injection pressure p_i

Pressure range, controlled	5 hPa – 6000 hPa
	0.07 PSI – 87.0 PSI
Increment	1 hPa
	0.01 PSI
Pressure, uncontrolled	0 hPa
	0 PSI
Accuracy	±2.5 %

9.4.5 Compensation pressure p_c/p_w

Pressure range, controlled	5 hPa – 6000 hPa
	0.07 PSI – 87.0 PSI
Increment	1 hPa
	0.01 PSI
Pressure, uncontrolled	0 hPa
	0 PSI
Accuracy	±2.5 %

9.4.6 Rinsing pressure

Pressure range	4000 hPa – 6000 hPa
	58.01 PSI – 87.02 PSI

9.4.7 Accuracy

6000 hPa 87.02 PSI	±0.20 %
2500 hPa 36.26 PSI	±0.20 %
1000 hPa 14.50 PSI	±0.10 %
100 hPa 1.45 PSI	±0.50 %
50 hPa 0.73 PSI	±1.00 %
15 hPa 0.22 PSI	±1 hPa ±0.01 PSI

9.5 Ambient conditions

Ambience	Only for use indoors.
Ambient temperature	15 °C – 40 °C
Relative humidity	10 % – 75 %, non-condensing.
Atmospheric pressure	795 hPa – 1060 hPa Use up to a height of 2000 m above sea level.
Degree of pollution	2 (IEC 664)