



CERTIFICATE

EU-Type examination (B module) Production type certificate No. 2-4.2.1./760/2019



Hereby we certify that the pressure equipment, mentioned below, is found to comply with the essential safety requirements of Pressure Equipment Directive 2014/68/EU (PED)

HOLDER OF THE CERTIFICATE:



Lenin Avenue 3, office 308, Chelyabinsk,
454091, Russia
Registration No. 7729428453

DESCRIPTION OF PRODUCT RANGE:

MANUFACTURER **EMIS CJSC**
PRODUCT NAME **Vortex flowmeters EMIS-VIHR 200**

MODEL **EV-200**
MAX. PRESSURE PS (Bar) **250**
MIN+MAX ALLOWABLE TEMPERATURE TS (°C) **-60 ÷ 350**
FLUID and FLUID GROUP **Liquid and gas 1,2**
DN (mm) **15-300**
MATERIAL **Stainless steel**

MODEL **EV-200-PPD**
MAX. PRESSURE PS (Bar) **250**
MIN+MAX ALLOWABLE TEMPERATURE TS (°C) **-60 ÷ 100**
FLUID and FLUID GROUP **Liquid and gas 1,2**
DN (mm) **50-150**
MATERIAL **Stainless steel**

CERTIFICATE ISSUED: **18.10.2019.**
CERTIFICATE VALID: **18.10.2029.**

Mārtiņš Maskavs
Certification manager



The statement is subject to terms and conditions. Any significant changes in design or construction of the product, the quality system or amendments to the directive 2014/68/EU may render this statement invalid. The manufacturer shall notify the AS "Inspecta Latvia" of any modification or changes to the equipment in order to maintain a valid certificate.

Certificate issued on 1 (one) page with Annexes on 4 (four) pages



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Trust, Quality & Progress

Annex

Certificate No. 2-4.2.1./760/2019



LIST OF CONFIGURATIONS

Model: EV-200

DN	Connection to pipeline	Max. Pressure, Bar	Max temperature °C	Drawing No.
25	FR1	16/25/40	350	EV200.025-015.104.100.00E
25	FR1	63	350	EV200.025-015.106.100.00E
32	FR1	16/25/40	350	EV200.032-025.104.100.00E
32	FR1	63	350	EV200.032-025.106.100.00E
50	FR1	16/25/40	350	EV200.050-032.104.100.00E
50	FR1	63	350	EV200.050-032.106.100.00E
80	FR1	16/25/40	350	EV200.080-050.104.100.00E
80	FR1	63	350	EV200.080-050.106.100.00E
100	FR1	16/25/40	350	EV200.100-080.104.100.00E
100	FR1	63	350	EV200.100-080.106.100.00E
15	C	100/160/250	350	EV200.015.016.100.00E
25	C	100/160/250	350	EV200.025.016.100.00E
32	C	100/160/250	350	EV200.032.016.100.00E
40	C	100/160/250	350	EV200.040.016.100.00E
50	C	100/160/250	350	EV200.050.016.100.00E
65	C	100/160/250	350	EV200.065.016.100.00E
80	C	100/160/250	350	EV200.080.016.100.00E
100	C	100/160/250	350	EV200.100.016.100.00E
125	C	100/160/250	350	EV200.125.016.100.00E
150	C	100/160/250	350	EV200.150.016.100.00E
200	C	100/160/250	350	EV200.200.016.100.00E
250	C	100/160/250	350	EV200.250.016.100.00E
300	C	100/160/250	350	EV200.300.016.100.00E
15	F1	100/160	350	EV200.015.110.100.00E
25	F1	100/160	350	EV200.025.110.100.00E
32	F1	100/160	350	EV200.032.110.100.00E
40	F1	100/160	350	EV200.040.110.100.00E
50	F1	100/160	350	EV200.050.110.100.00E
65	F1	100/160	350	EV200.065.110.100.00E
80	F1	100/160	350	EV200.080.110.100.00E
100	F1	100/160	350	EV200.100.110.100.00E

Type of connection to pipeline:

C, C1- flangeless, sandwich type for Dn 15-300mm.

F1- flanged type for Dn 15-300mm.

FR1- flanged with integrated adapter for connection to small size pipes, for Dn 25-100mm.



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Model: EV-200

DN	Connection to pipeline	Max. Pressure, Bar	Max temperature °C	Drawing No.
15	C1	16/25/40/63	350	EV200.015.006.100.00E
25	C1	16/25/40/63	350	EV200.025.006.100.00E
32	C1	16/25/40/63	350	EV200.032.006.100.00E
40	C1	16/25/40/63	350	EV200.040.006.100.00E
50	C1	16/25/40/63	350	EV200.050.006.100.00E
65	C1	16/25/40/63	350	EV200.065.006.100.00E
80	C1	16/25/40/63	350	EV200.080.006.100.00E
100	C1	16/25/40/63	350	EV200.100.006.100.00E
15	F1	16/25/40	350	EV200.015.104.100.00E
15	F1	63	350	EV200.015.106.100.00E
25	F1	16/25/40	350	EV200.025.104.100.00E
25	F1	63	350	EV200.025.106.100.00E
32	F1	16/25/40	350	EV200.032.104.100.00E
32	F1	63	350	EV200.032.106.100.00E
40	F1	16/25/40	350	EV200.040.104.100.00E
40	F1	63	350	EV200.040.106.100.00E
50	F1	16/25/40	350	EV200.050.104.100.00E
50	F1	63	350	EV200.050.106.100.00E
65	F1	16/25/40	350	EV200.065.104.100.00E
65	F1	63	350	EV200.065.106.100.00E
80	F1	16/25/40	350	EV200.080.104.100.00E
80	F1	63	350	EV200.080.106.100.00E
100	F1	16/25/40	350	EV200.100.104.100.00E
100	F1	63	350	EV200.100.106.100.00E
125	F1	16/25	350	EV200.125.102.100.00E
125	F1	40	350	EV200.125.104.100.00E
125	F1	63	350	EV200.125.106.100.00E
150	F1	16/25	350	EV200.150.102.100.00E
150	F1	40	350	EV200.150.104.100.00E
150	F1	63	350	EV200.150.106.100.00E
200	F1	16/25	350	EV200.200.102.100.00E
200	F1	40	350	EV200.200.104.100.00E
200	F1	63	350	EV200.200.106.100.00E
250	F1	16/25	350	EV200.250.102.100.00E
250	F1	40	350	EV200.250.104.100.00E
250	F1	63	350	EV200.250.106.100.00E
300	F1	16/25	350	EV200.300.102.100.00E
300	F1	40	350	EV200.300.104.100.00E
300	F1	63	350	EV200.300.106.100.00E



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LIST OF CONFIGURATIONS



Model: EV-200

DN	Connection to pipeline	Max. Pressure, Bar	Max. temperature °C	Drawing No.
125	F1	100	350	EV200.125.110.100.00E
125	F1	160	350	EV200.125.116.100.00E
150	F1	100	350	EV200.150.110.100.00E
150	F1	160	350	EV200.150.116.100.00E
200	F1	100	350	EV200.200.110.100.00E
200	F1	160	350	EV200.200.116.100.00E
250	F1	100	350	EV200.250.110.100.00E
250	F1	160	350	EV200.250.116.100.00E
300	F1	100	350	EV200.300.110.100.00E
300	F1	160	350	EV200.300.116.100.00E

LIST OF CONFIGURATIONS

Model: EV-200-PPD

DN/ flow rate code	Configuration type	Max. Pressure, Bar	Max. temperature °C	Drawing No.
50/10	-	250	100	EV200-PPD.050.010.100.00E
50/20	-	250	100	EV200-PPD.050.020.100.00E
50/25	-	250	100	EV200-PPD.050.025.100.00E
50/25-1	1	250	100	EV200-PPD.050.026.100.00E
50/50	-	250	100	EV200-PPD.050.050.100.00E
50/60	-	250	100	EV200-PPD.050.060.100.00E
80/20	-	250	100	EV200-PPD.080.020.300.00E
80/25-1	1	250	100	EV200-PPD.080.026.100.00E
80/35	-	250	100	EV200-PPD.080.035.300.00E
80/50	-	250	100	EV200-PPD.080.050.300.00E
80/50-1	1	250	100	EV200-PPD.080.051.100.00E
80/100-1	1	250	100	EV200-PPD.080.101.100.00E
80/150	-	250	100	EV200-PPD.080.150.100.00E
100/25	-	250	100	EV200-PPD.100.025.300.00E
100/50	-	250	100	EV200-PPD.100.050.300.00E
100/120	-	250	100	EV200-PPD.100.120.100.00E
100/200	-	250	100	EV200-PPD.100.200.100.00E
100/200-1	1	250	100	EV200-PPD.100.201.100.00E
100/300	-	250	100	EV200-PPD.100.300.100.00E
150/500-1	1	250	100	EV200-PPD.150.501.100.00E

Configuration type: 1 - elongated.

Type of connection to pipeline: sandwich.



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LIST OF TECHNICAL DOCUMENTATION

No.	Title	Identification
1.	Vortex flowmeter EMIS-VIHR Models EV-200, EV-200PPD Operation manual.	V 1.0.0.- 85 pages.
2.	Quality passport Vortex flowmeter «EMIS-VIHR 200»	V 1.5.7. – 16 pages.
3.	Technological process EV-200	V1.0.1 18.09.2019.
4.	Strength calculations. Vortex flowmeter EMIS-VIHR 200	V 1.5 30.09.19- 15 p.
5.	List of standards which were used for design and manufacture of flowmeter EV-200 to comply with Directive 2014/68/EU PED	V 1.1 07.08.19 -2 p.
6.	Safety Evaluation Vortex flowmeter «EMIS-VIHR 200»	07.09.19- 8 pages.
7.	Instruction TI-UZK-2019 Ultrasonic testing of welds of flowmeter EV-200	01.10.19. - 15 pages.
8.1	WPQR No. 2-1.7.6/003-033/2019	09.08.2019. - 3 pages.
8.2.	WPQR No. 2-1.7.6/003-034/2019	09.08.2019. - 3 pages.
8.3.	WPQR No. 2-1.7.6/003-035/2019	09.08.2019. - 3 pages.
8.4.	WPQR No. 2-1.7.6/003-036/2019	09.08.2019. - 3 pages.
8.5.	WPQR No. 2-1.7.6/003-037/2019	09.08.2019. - 3 pages.
8.6.	WPQR No. 2-1.7.6/003-038/2019	09.08.2019. - 3 pages.
9.	Welders certificates	12 pieces.
10.	Testing personnel certificates	4 pieces.



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