


CATALOGUE No. 2

2023.09.29
(v.4.5)

FIZEPR-SW100 in-line moisture meters for crude oil, petroleum products and other liquid materials, as well as for steam-water environment measurements

Manufacturer: Design Bureau Fizelektronpribor, Ltd. INN 6315522386 KPP 631501001
P.O. Box 261, 141 Galaktionovskaya str., Samara 443010, Russia. Tel.: +7(846)925-63-53, +7(846)359-17-01, +7-927-778-79-34. E-mail: info@fizepr.ru
Settlement account: 40702810954390101485 with Povolzhsky branch of "Sberbank" PJSC, Samara. Corr. account: 30101810200000000607. BIC: 043601607.

FIZEPR-SW100.20.x - straight-flow sensor (with two flanges on the same axis); FIZEPR-SW100.23.x - straight-flow sensor for steam-water environment; FIZEPR-SW100.24.x - angle sensor (L-type); FIZEPR-SW100.27.x - straight-flow sensor for electrically conductive environment.									FIZEPR-SW100.21.x - full-flow sensor (immersion, with one flange)					
									with DN80 flange			with DN100 flange		
PN, bar	DN32	DN50	DN65	DN80	DN100	DN125	DN150	DN200	for DN100	for DN150	for DN200	for DN100	for DN150	for DN200
6	23.32	20.31		20.28	20.14 27.14 27.141	20.10 27.10	20.24 20.241 27.24	20.25 27.25		21.012 21.161			21.01	
10		20.5 20.51		20.61 20.6	20.16 20.161	20.271	20.19 27.19						21.072	21.02 21.021
16		20.53 23.53	27.26 20.261	24.6 27.61	24.16									
25		24.5 27.5		27.61 27.6	20.17 27.17				21.036	21.073 21.076 21.077	21.033 21.038			
40		20.8 20.81 24.8 24.82 24.83		20.9 24.9 24.92	20.20 24.20	20.23						21.035	21.071	21.03 21.034 21.037
63		20.11 24.11		20.12 24.12	20.21 24.21				21.078	21.074	21.042		21.079	21.04 21.043
100		20.18 20.181		20.15	20.22									
160		23.01 24.18	23.65	24.15	24.22 27.22				21.055	21.075	21.052		21.07	21.05
200		23.02									21.062			

Item No.	Description, design version	Application, materials controlled	Sensor design
FIZEPR-SW100.20.X in-line moisture analyzers (moisture meters) for liquid materials, straight-flow design			
			
1	Moisture analyzer FIZEPR-SW100. 20.31	Liquid materials in a DN50 pipeline, pressure is up to 6 atm. Range of operating temperatures: -20 ... +145°C.	Straight-flow sensor made as a DN50, PN6 pipe section of AISI 321 steel; 50-6-01-1-B GOST 33259-2015 flanges; complete with 50-6-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
2	Moisture analyzer FIZEPR-SW100. 20.5	Liquid materials in a DN50 pipeline, pressure is up to 25 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN50, PN25 pipe section of AISI 321 steel; 50-25-01-1-B GOST 33259-2015 flanges; complete with 50-25-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
3	Moisture analyzer FIZEPR-SW100. 20.51	Liquid materials in a DN50 pipeline, pressure is up to 25 atm. Range of operating temperatures: -20 ... +145°C.	Straight-flow sensor made as a DN50, PN25 pipe section of AISI 321 steel; 50-25-01-1-B GOST 33259-2015 flanges; complete with 50-25-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
4	Moisture analyzer FIZEPR-SW100. 20.53	Liquid materials in a DN50 pipeline, pressure is up to 25 atm. Range of operating temperatures: -20 ... +200°C.	Straight-flow sensor made as a DN50, PN25 pipe section of AISI 321 steel; 50-25-01-1-B GOST 33259-2015 flanges; complete with 50-25-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.

5	Moisture analyzer FIZEPR-SW100. 20.6.K	Crude oil with up to 100% moisture content in a DN80 pipeline, pressure is up to 25 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN80, PN25 pipe section of AISI 321 steel; 80-25-01-1-B GOST 33259-2015 flanges; complete with 80-25-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
6	Moisture analyzer FIZEPR-SW100. 20.6I	Liquid materials in a DN80 pipeline, pressure is up to 25 atm. Range of operating temperatures: -20 ... +145°C.	Straight-flow sensor made as a DN80, PN25 pipe section of AISI 321 steel; 80-25-01-1-B GOST 33259-2015 flanges; complete with 80-25-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
7	Moisture analyzer FIZEPR-SW100. 20.8I	Liquid materials in a DN50 pipeline, pressure is up to 40 atm. Range of operating temperatures: -20 ... +145°C.	Straight-flow sensor made as a DN50, PN40 pipe section of AISI 321 steel; 50-40-11-1-E GOST 33259-2015 flanges; complete with 50-40-11-1-F GOST 33259-2015 mating flanges made of AISI 1020 steel.
8	Moisture analyzer FIZEPR-SW100. 20.9	Liquid materials in a DN 80 pipeline, pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN80, PN40 pipe section of AISI 321 steel; 80-40-11-1-E GOST 33259-2015 flanges; complete with 80-40-11-1-F GOST 33259-2015 mating flanges made of AISI 1020 steel.
9	Moisture analyzer FIZEPR-SW100. 20.9.K	Crude oil with up to 100% moisture content in a DN80 pipeline, pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN80, PN40 pipe section of AISI 321 steel; 80-40-11-1-E GOST 33259-2015 flanges; complete with 80-40-11-1-F GOST 33259-2015 mating flanges made of AISI 1020 steel.
10	Moisture analyzer FIZEPR-SW100. 20.10	Liquid materials in a DN125 pipeline, pressure is up to 6 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN125, PN6 pipe section of AISI 321 steel; 125-6-01-1-B GOST 33259-2015 flanges; complete with 125-6-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
11	Moisture analyzer FIZEPR-SW100. 20.11	Liquid materials in a DN50 pipeline, pressure is up to 63 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN50, PN63 pipe section of AISI 321 steel; 50-63-11-1-E (or 50-63-11-1-J) GOST 33259-2015 flanges; complete with 50-63-11-1-F (or 50-63-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel.
12	Moisture analyzer FIZEPR-SW100. 20.12	Liquid materials in a DN80 pipeline, pressure is up to 63 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN80, PN63 pipe section of AISI 321 steel; 80-63-11-1-E (or 80-63-11-1-J) GOST 33259-2015 flanges; complete with 80-63-11-1-F (or 80-63-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel.

13	Moisture analyzer FIZEPR-SW100. 20.12.K	Crude oil with up to 100% moisture content in a DN80 pipeline, pressure is up to 63 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN80, PN63 pipe section of AISI 321 steel; 80-63-11-1-E (or 80-63-11-1-J) GOST 33259-2015 flanges; complete with 80-63-11-1-F (or 80-63-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel.
14	Moisture analyzer FIZEPR-SW100. 20.14	Liquid materials in a DN100 pipeline, pressure is up to 6 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN100, PN6 pipe section of AISI 321 steel; 100-6-01-1-B GOST 33259-2015 flanges; complete with 100-6-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
15	Moisture analyzer FIZEPR-SW100. 20.15	Liquid materials in a DN80 pipeline, pressure is up to 160 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN80, PN160 pipe section of AISI 321 steel; 80-160-11-1-E (or 80-160-11-1-J) GOST 33259-2015 flanges; complete with 80-160-11-1-F (or 80-160-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel.
16	Moisture analyzer FIZEPR-SW100. 20.15.K	Crude oil with up to 100% moisture content in a DN80 pipeline, pressure is up to 160 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN80, PN160 pipe section of AISI 321 steel; 80-160-11-1-E (or 80-160-11-1-J) GOST 33259-2015 flanges; complete with 80-160-11-1-F (or 80-160-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel.
17	Moisture analyzer FIZEPR-SW100. 20.16	Liquid materials in a DN100 pipeline, pressure is up to 16 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN100, PN16 pipe section of AISI 321 steel; 100-16-01-1-B GOST 33259-2015 flanges; complete with 100-16-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
18	Moisture analyzer FIZEPR-SW100. 20.161	Liquid materials in a DN100 pipeline, pressure is up to 16 atm. Range of operating temperatures: -20 ... +145°C.	Straight-flow sensor made as a DN100, PN16 pipe section of AISI 321 steel; 100-16-01-1-B GOST 33259-2015 flanges; complete with 100-16-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
19	Moisture analyzer FIZEPR-SW100. 20.16.K	Crude oil with up to 100% moisture content in a DN100 pipeline, pressure is up to 16 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN100, PN16 pipe section of AISI 321 steel; 100-16-01-1-B GOST 33259-2015 flanges; complete with 100-16-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.

20	Moisture analyzer FIZEPR-SW100. 20.17	Liquid materials in a DN100 pipeline, pressure is up to 25 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN100, PN25 pipe section of AISI 321 steel; 100-25-01-1-B GOST 33259-2015 flanges; complete with 100-25-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
21	Moisture analyzer FIZEPR-SW100. 20.17.K	Crude oil with up to 100% moisture content in a DN100 pipeline, pressure is up to 25 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN100, PN25 pipe section of AISI 321 steel; 100-25-01-1-B GOST 33259-2015 flanges; complete with 100-25-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
22	Moisture analyzer FIZEPR-SW100. 20.18	Liquid materials in a DN50 pipeline, pressure is up to 160 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN50, PN160 pipe section of AISI 321 steel; 50-160-11-1-E (or 50-160-11-1-J) GOST 33259-2015 flanges; complete with 50-160-11-1-F (or 50-160-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel.
22.1	Moisture analyzer FIZEPR-SW100. 20.19	Liquid materials in a DN150 pipeline, pressure is up to 16 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN150, PN16 pipe section of AISI 321 steel; 150-16-01-1-B GOST 33259-2015 flanges; complete with 150-16-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
23	Moisture analyzer FIZEPR-SW100. 20.20	Liquid materials in a DN100 pipeline, pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN100, PN40 pipe section of AISI 321 steel; 100-40-11-1-E GOST 33259-2015 flanges; complete with 100-40-11-1-F GOST 33259-2015 mating flanges made of AISI 1020 steel.
24	Moisture analyzer FIZEPR-SW100. 20.20.K	Crude oil with up to 100% moisture content in a DN100 pipeline, pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN100, PN40 pipe section of AISI 321 steel; 100-40-11-1-E GOST 33259-2015 flanges; complete with 100-40-11-1-F GOST 33259-2015 mating flanges made of AISI 1020 steel.
25	Moisture analyzer FIZEPR-SW100. 20.21	Liquid materials in a DN100 pipeline, pressure is up to 63 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN100, PN63 pipe section of AISI 321 steel; 100-63-11-1-E (or 100-63-11-1-J) GOST 33259-2015 flanges; complete with 100-63-11-1-F (or 100-63-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel.
26	Moisture analyzer FIZEPR-SW100. 20.21.K	Crude oil with up to 100% moisture content in a DN100 pipeline, pressure is up to 63 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN100, PN63 pipe section of AISI 321 steel; 100-63-11-1-E (or 100-63-11-1-J) GOST 33259-2015 flanges; complete with 100-63-11-1-F (or 100-63-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel.

27	Moisture analyzer FIZEPR-SW100. 20.22	Liquid materials in a DN100 pipeline, pressure is up to 160 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN100, PN160 pipe section of AISI 321 steel; 100-160-11-1-E (or 100-160-11-1-J) GOST 33259-2015 flanges; complete with 100-160-11-1-F (or 100-160-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel.
28	Moisture analyzer FIZEPR-SW100. 20.22.K	Crude oil with up to 100% moisture content in a DN100 pipeline, pressure is up to 160 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN100, PN160 pipe section of AISI 321 steel; 100-160-11-1-E (or 100-160-11-1-J) GOST 33259-2015 flanges; complete with 100-160-11-1-F (or 100-160-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel.
29	Moisture analyzer FIZEPR-SW100. 20.23	Liquid materials in a DN125 pipeline, pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN125, PN40 pipe section of AISI 321 steel; 125-40-11-1-E GOST 33259-2015 flanges; complete with 125-40-11-1-F GOST 33259-2015 mating flanges made of AISI 1020 steel.
30	Moisture analyzer FIZEPR-SW100. 20.24	Liquid materials in a DN150 pipeline, pressure is up to 6 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN150, PN6 pipe section of AISI 321 steel; 150-6-01-1-B GOST 33259-2015 flanges; complete with 150-6-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
31	Moisture analyzer FIZEPR-SW100. 20.241	Liquid materials in a DN150 pipeline, pressure is up to 6 atm. Range of operating temperatures: -20 ... +145°C.	Straight-flow sensor made as a DN150, PN6 pipe section of AISI 321 steel; 150-6-01-1-B GOST 33259-2015 flanges; complete with 150-6-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
32	Moisture analyzer FIZEPR-SW100. 20.25	Liquid materials in a DN200 pipeline, pressure is up to 6 atm. Range of operating temperatures: -20 ... +120°C.	Straight-flow sensor made as a DN200, PN6 pipe section of AISI 321 steel; 200-6-01-1-B GOST 33259-2015 flanges; complete with 200-6-01-1-B mating flanges made of AISI 1020 steel.
33	Moisture analyzer FIZEPR-SW100. 20.261	Liquid materials in a DN65 pipeline, pressure is up to 25 atm. Range of operating temperatures: -20 ... +145°C.	Straight-flow sensor made as a DN65, PN25 pipe section of AISI 321 steel; 65-25-01-1-B GOST 33259-2015 flanges; complete with 65-25-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
34	Moisture analyzer FIZEPR-SW100. 20.271	Liquid materials in a DN125 pipeline, pressure is up to 16 atm. Range of operating temperatures: -20 ... +145°C.	Straight-flow sensor made as a DN125, PN16 pipe section of AISI 321 steel; 125-16-01-1-B GOST 33259-2015 flanges; complete with 125-16-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
35	Moisture analyzer FIZEPR-SW100. 20.31	Liquid materials in a DN50 pipeline, pressure is up to 6 atm. Range of operating temperatures: -20 ... +145°C.	Straight-flow sensor made as a DN50, PN6 pipe section of AISI 321 steel; 50-6-01-1-B GOST 33259-2015 flanges; complete with 50-6-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.

FIZEPR-SW100.21.X in-line moisture analyzers (moisture meters) for liquid materials, straight-flow design



36	Moisture analyzer FIZEPR-SW100. 21.01 21.01.K	Liquid materials in a pipeline with a diameter of 150 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 6 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN100, PN6 flange (B face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 100-6-01(11)-1-B GOST 33259-2015 flange welded to the pipeline wall.
37	Moisture analyzer FIZEPR-SW100. 21.012 21.012.K	Liquid materials in a pipeline with a diameter of 150 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 6 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN80, PN6 flange (B face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 80-6-01(11)-1-B GOST 33259-2015 flange welded to the pipeline wall.
38	Moisture analyzer FIZEPR-SW100. 21.02 21.02.K	Liquid materials in a pipeline with a diameter of 200 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 16 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN100, PN16 flange (B face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 100-16-01(11)-1-B GOST 33259-2015 flange welded to the pipeline wall.
	Moisture analyzer FIZEPR-SW100. 21.03 21.03.K	Liquid materials in a pipeline with a diameter of 200 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN100, PN40 flange (E face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 100-40-11-1-F GOST 33259-2015 flange welded to the pipeline wall.

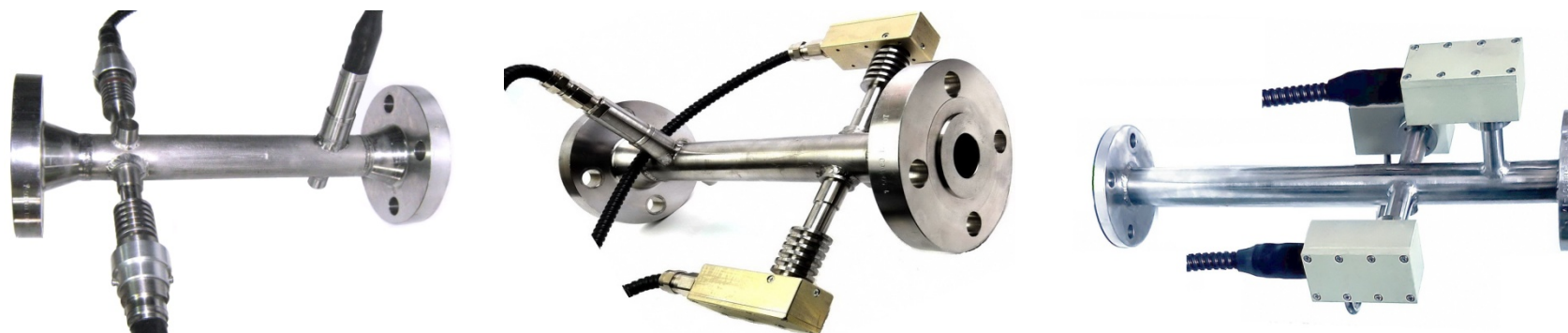
39	Moisture analyzer FIZEPR-SW100. 21.033 21.033.K	Liquid materials in a pipeline with a diameter of 200 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN80, PN40 flange (E face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 80-40-11-1-F GOST 33259-2015 flange welded to the pipeline wall.
40	Moisture analyzer FIZEPR-SW100. 21.034 21.034.K	Liquid materials in a pipeline with a diameter of 200 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 40 atm. Range of operating temperatures: -20 ... +250°C.	Full-flow sensor with one DN100, PN40 flange (E face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 100-40-11-1-F GOST 33259-2015 flange welded to the pipeline wall.
41	Moisture analyzer FIZEPR-SW100. 21.035 21.035.K	Liquid materials in a pipeline with a diameter of 100 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN100, PN40 flange (B (E) face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 100-40-11-1-B (F) GOST 33259-2015 flange welded to the pipeline wall. Length of a sensor section immersed to a pipeline is 254 mm.
42	Moisture analyzer FIZEPR-SW100. 21.036 21.036.K	Liquid materials in a pipeline with a diameter of 100 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN80, PN40 flange (E face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 80-40-11-1-F GOST 33259-2015 flange welded to the pipeline wall.
43	Moisture analyzer FIZEPR-SW100. 21.037 21.037.K	Liquid materials in a pipeline with a diameter of 200 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN100, PN40 flange (B (E) face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 100-40-11-1-B (F) GOST 33259-2015 flange welded to the pipeline wall. Length of a sensor section immersed to a pipeline is 356 mm. Probe length is 213 mm.
44	Moisture analyzer FIZEPR-SW100. 21.038 21.038.K	Liquid materials in a pipeline with a diameter of 200 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one ASME B 16.5 3" Class 300 RF flange made of AISI 321 steel (DN80, PN40). Sensor is installed using a nozzle with ASME B 16.5 3" Class 300 RF flange welded to the pipeline wall.

45	Moisture analyzer FIZEPR-SW100. 21.04 21.04.K	Liquid materials in a pipeline with a diameter of 200 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 63 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN100, PN63 flange (E (J) face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 100-63-11-1-F (J) GOST 33259-2015 flange welded to the pipeline wall.
46	Moisture analyzer FIZEPR-SW100. 21.042 21.042.K	Liquid materials in a pipeline with a diameter of 200 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 63 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN80, PN63 flange (E (J) face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 80-63-11-1-F (J) GOST 33259-2015 flange welded to the pipeline wall.
47	Moisture analyzer FIZEPR-SW100. 21.043 21.043.K	Liquid materials in a pipeline with a diameter of 200 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 63 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one ASME B 16.5 4" Class 600 RF (RTJ) flange made of AISI 321 steel (DN100, PN63). Sensor is installed using a nozzle with ASME B 16.5 4" Class 600 RF (RTJ) flange welded to the pipeline wall.
48	Moisture analyzer FIZEPR-SW100. 21.05 21.05.K	Liquid materials in a pipeline with a diameter of 200 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 160 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN100, PN160 flange (E (J) face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 100-160-11-1-F (J) GOST 33259-2015 flange welded to the pipeline wall.
49	Moisture analyzer FIZEPR-SW100. 21.052 21.052.K	Liquid materials in a pipeline with a diameter of 200 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 160 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN80, PN160 flange (E (J) face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 80-160-11-1-F (J) GOST 33259-2015 flange welded to the pipeline wall.
50	Moisture analyzer FIZEPR-SW100. 21.055 21.055.K	Liquid materials in a pipeline with a diameter of 100 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 160 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN80, PN160 flange (E (J) face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 80-160-11-1-F (J) GOST 33259-2015 flange welded to the pipeline wall.

51	Moisture analyzer FIZEPR-SW100. 21.062 21.062.K	Liquid materials in a pipeline with a diameter of 200 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 200 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN80, PN200 flange (E (J) face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 80-200-11-1-F (J) GOST 33259-2015 flange welded to the pipeline wall.
52	Moisture analyzer FIZEPR-SW100. 21.07 21.07.K	Liquid materials in a pipeline with a diameter of 150 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 160 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN100, PN160 flange (E (J) face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 100-160-11-1-F (J) GOST 33259-2015 flange welded to the pipeline wall.
53	Moisture analyzer FIZEPR-SW100. 21.071 21.071.K	Liquid materials in a pipeline with a diameter of 150 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN100, PN40 flange (E face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 100-40-11-1-F GOST 33259-2015 flange welded to the pipeline wall.
54	Moisture analyzer FIZEPR-SW100. 21.072 21.072.K	Liquid materials in a pipeline with a diameter of 150 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 16 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN100, PN16 flange (B face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 100-16-01(11)-1-B GOST 33259-2015 flange welded to the pipeline wall.
55	Moisture analyzer FIZEPR-SW100. 21.073 21.073.K	Liquid materials in a pipeline with a diameter of 150 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one ASME B 16.5 3" Class 300 RF flange made of AISI 321 steel (DN80, PN40). Sensor is installed using a nozzle with ASME B 16.5 3" Class 300 RF flange welded to the pipeline wall.
56	Moisture analyzer FIZEPR-SW100. 21.074 21.074.K	Liquid materials in a pipeline with a diameter of 150 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 63 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN80, PN63 flange (E (J) face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 80-63-11-1-F (J) GOST 33259-2015 flange welded to the pipeline wall.

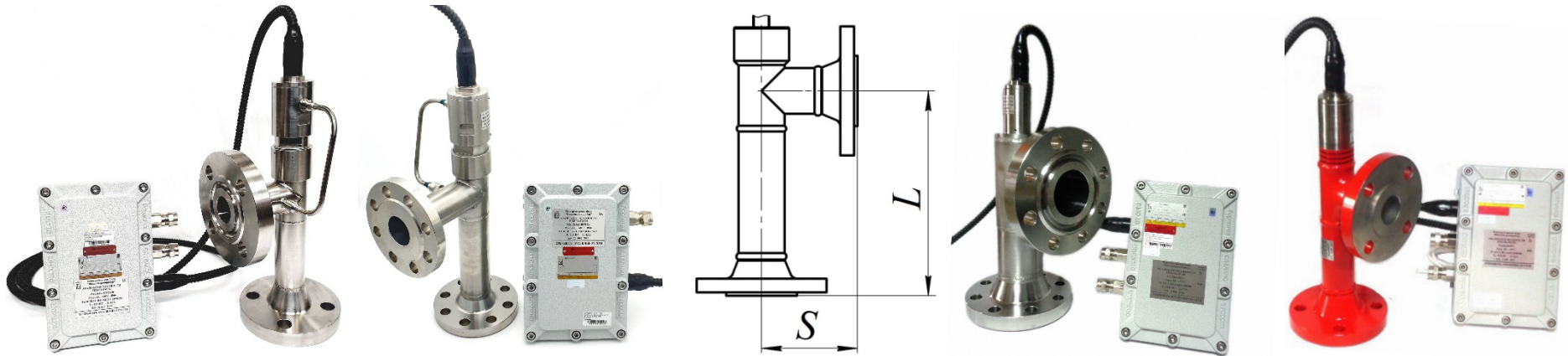
57	Moisture analyzer FIZEPR-SW100. 21.075 21.075.K	Liquid materials in a pipeline with a diameter of 150 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 160 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN80, PN160 flange (E (J) face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 80-160-11-1-F (J) GOST 33259-2015 flange welded to the pipeline wall.
58	Moisture analyzer FIZEPR-SW100. 21.01 21.01.K	Liquid materials in a pipeline with a diameter of 150 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 6 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN100, PN6 flange (B face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 100-6-01(11)-1-B GOST 33259-2015 flange welded to the pipeline wall.
59	Moisture analyzer FIZEPR-SW100. 21.076 21.076.K	Liquid materials in a pipeline with a diameter of 150 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one ASME B 16.5 3" Class 150 RF flange made of AISI 321 steel (DN80, PN40). Sensor is installed using a nozzle with ASME B 16.5 3" Class 150 RF flange welded to the pipeline wall.
60	Moisture analyzer FIZEPR-SW100. 21.077 21.077.K	Liquid materials in a pipeline with a diameter of 150 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN80, PN40 flange (E face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 80-40-11-1-F GOST 33259-2015 flange welded to the pipeline wall.
61	Moisture analyzer FIZEPR-SW100. 21.161	Liquid materials with high electric conductivity in a pipeline with a diameter of 150 mm or more with a sensor installed perpendicular to the flow. Pressure is up to 6 atm. Range of operating temperatures: -20 ... +120°C.	Full-flow sensor with one DN80, PN6 flange (B face design according to GOST 33259-2015), made of AISI 321 steel. Sensor is installed using a nozzle with 80-6-01(11)-1-B GOST 33259-2015 flange welded to the pipeline wall.

FIZEPR-SW100.23.X in-line moisture analyzers (moisture meters) for steam-water mixtures (steam dryness fraction measurement), as well as for liquid materials at extreme temperatures and pressures, straight-flow design



62	Moisture analyzer FIZEPR-SW100. 23.01	Steam-water environment, liquid materials in a DN50 pipeline, pressure is up to 160 atm. Range of operating temperatures: 0 ... +320°C.	Straight-flow sensor made as a DN50, PN160 pipe section of AISI 321 steel; 50-160-11-1-E (or 50-160-11-1-J) GOST 33259-2015 flanges; complete with 50-160-11-1-E (or 50-160-11-1-J) GOST 33259-2015 mating flanges made of AISI 321 steel.
63	Moisture analyzer FIZEPR-SW100. 23.02	Steam-water environment, liquid materials in a DN50 pipeline, pressure is up to 200 atm. Range of operating temperatures: 0 ... +320°C.	Straight-flow sensor made as a DN50, PN200 pipe section of AISI 321 steel; 50-200-11-1-E (or 50-200-11-1-J) GOST 33259-2015 flanges; complete with 50-200-11-1-E (or 50-200-11-1-J) GOST 33259-2015 mating flanges made of AISI 321 steel.
64	Moisture analyzer FIZEPR-SW100. 23.32	Steam-water environment, liquid materials in a DN32 pipeline, pressure is up to 6 atm. Range of operating temperatures: 0 ... +200°C.	Straight-flow sensor made as a DN32, PN6 pipe section of AISI 321 steel; 32-6-01-1-B GOST 33259-2015 flanges; complete with 32-6-01-1-B GOST 33259-2015 mating flanges made of AISI 321 steel.
65	Moisture analyzer FIZEPR-SW100. 23.53	Steam-water environment, liquid materials in a DN50 pipeline, pressure is up to 25 atm. Range of operating temperatures: 0 ... +200°C.	Straight-flow sensor made as a DN50, PN25 pipe section of AISI 321 steel; 50-25-01-1-B GOST 33259-2015 flanges; complete with 50-25-01-1-B GOST 33259-2015 mating flanges made of AISI 321 steel.
66	Moisture analyzer FIZEPR-SW100. 23.65	Steam-water environment, liquid materials in a DN65 pipeline, pressure is up to 160 atm. Range of operating temperatures: 0 ... +320°C.	Straight-flow sensor made as a DN65, PN160 pipe section of AISI 321 steel; 65-160-11-1-E (or 65-160-11-1-J) GOST 33259-2015 flanges; complete with 65-160-11-1-E (or 65-160-11-1-J) GOST 33259-2015 mating flanges made of AISI 321 steel.

FIZEPR-SW100.24.X in-line moisture analyzers (moisture meters) for liquid materials, angle design (L-type)



67	Moisture analyzer FIZEPR-SW100. 24.5	Liquid materials in a DN50 pipeline, pressure is up to 25 atm. Range of operating temperatures: -20 ... +120°C.	Sensor made as an L-type ("angle") pipe section of AISI 321 steel, DN50, PN25; 50-25-01-1-B GOST 33259-2015 flanges; complete with 50-25-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel. Connection dimensions: L=254mm, S=120 mm.
68	Moisture analyzer FIZEPR-SW100. 24.8	Liquid materials in a DN50 pipeline, pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Sensor made as an L-type ("angle") pipe section of AISI 321 steel, DN50, PN40; 50-40-11-1-E GOST 33259-2015 flanges; complete with 50-40-11-1-F GOST 33259-2015 mating flanges made of AISI 1020 steel. Connection dimensions: L=254 mm, S=118 mm.
69	Moisture analyzer FIZEPR-SW100. 24.82	Liquid materials in a DN50 pipeline, pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Sensor made as an L-type ("angle") pipe section of AISI 321 steel, DN50, PN40; 50-40-11-1-B GOST 33259-2015 flanges; complete with 50-40-11-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel. Connection dimensions: L=256.5 mm, S=165.5 mm.

70	Moisture analyzer FIZEPR-SW100. 24.83	Liquid materials in a DN50 pipeline, pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Sensor made as an L-type ("angle") pipe section with ASME B 16.5 2" Class 300 RF flanges of AISI 321 steel (DN50, PN40); complete with ASME B 16.5 2" Class 300 RF mating flanges made of AISI 1020 steel. Connection dimensions: L=254MM (10"); S= 164MM (6,45").
71	Moisture analyzer FIZEPR-SW100. 24.9	Liquid materials in a DN80 pipeline, pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Sensor made as an L-type ("angle") pipe section of AISI 321 steel, DN80, PN40; 80-40-11-1-E GOST 33259-2015 flanges; complete with 80-40-11-1-F GOST 33259-2015 mating flanges made of AISI 1020 steel. Connection dimensions: L=254 mm, S=130 mm.
72	Moisture analyzer FIZEPR-SW100. 24.92	Liquid materials in a DN80 pipeline, pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Sensor made as an L-type ("angle") pipe section with ASME B 16.5 3" Class 300 RF flanges of AISI 321 steel (DN80, PN40); complete with ASME B 16.5 3" Class 300 RF mating flanges made of AISI 1020 steel. Connection dimensions: L=254MM (10"); S= 194MM (7,62").
73	Moisture analyzer FIZEPR-SW100. 24.11	Liquid materials in a DN50 pipeline, pressure is up to 63 atm. Range of operating temperatures: -20 ... +120°C.	Sensor made as an L-type ("angle") pipe section of AISI 321 steel, DN50, PN63; 50-63-11-1-E (or 50-63-11-1-J) GOST 33259-2015 flanges; complete with 50-63-11-1-F (or 50-63-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel. Connection dimensions: L=254 mm, S=118 mm.
74	Moisture analyzer FIZEPR-SW100. 24.12	Liquid materials in a DN80 pipeline, pressure is up to 63 atm. Range of operating temperatures: -20 ... +120°C.	Sensor made as an L-type ("angle") pipe section of AISI 321 steel, DN80, PN63; 80-63-11-1-E (or 80-63-11-1-J) GOST 33259-2015 flanges; complete with 80-63-11-1-F (or 80-63-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel. Connection dimensions: L=254 mm, S=147 mm.

75	Moisture analyzer FIZEPR-SW100. 24.15	Liquid materials in a DN80 pipeline, pressure is up to 160 atm. Range of operating temperatures: -20 ... +120°C.	Sensor made as an L-type ("angle") pipe section of AISI 321 steel, DN80, PN160; 80-160-11-1-E (or 80-160-11-1-J) GOST 33259-2015 flanges; complete with 80-160-11-1-F (or 80-160-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel.
76	Moisture analyzer FIZEPR-SW100. 24.16	Liquid materials in a DN100 pipeline, pressure is up to 16 atm. Range of operating temperatures: -20 ... +120°C.	Sensor made as an L-type ("angle") pipe section of AISI 321 steel, DN100, PN16; 80-16-01-1-B GOST 33259-2015 flanges; complete with 100-16-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel. Connection dimensions: L=254 mm, S=143 mm.
77	Moisture analyzer FIZEPR-SW100. 24.18	Liquid materials in a DN50 pipeline, pressure is up to 160 atm. Range of operating temperatures: -20 ... +120°C.	Sensor made as an L-type ("angle") pipe section of AISI 321 steel, DN50, PN160; 50-160-11-1-E (or 50-160-11-1-J) GOST 33259-2015 flanges; complete with 50-160-11-1-F (or 50-160-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel. Connection dimensions: L=254 mm, S=123,5 mm.
78	Moisture analyzer FIZEPR-SW100. 24.20	Liquid materials in a DN100 pipeline, pressure is up to 40 atm. Range of operating temperatures: -20 ... +120°C.	Sensor made as an L-type ("angle") pipe section of AISI 321 steel, DN100, PN40; 100-40-11-1-E GOST 33259-2015 flanges; complete with 100-40-11-1-F GOST 33259-2015 mating flanges made of AISI 1020 steel.
79	Moisture analyzer FIZEPR-SW100. 24.21	Liquid materials in a DN100 pipeline, pressure is up to 63 atm. Range of operating temperatures: -20 ... +120°C.	Sensor made as an L-type ("angle") pipe section of AISI 321 steel, DN100, PN63; 100-63-11-1-E (or 100-63-11-1-J) GOST 33259-2015 flanges; complete with 100-63-11-1-F (or 100-63-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel.
80	Moisture analyzer FIZEPR-SW100. 24.22	Liquid materials in a DN100 pipeline, pressure is up to 160 atm. Range of operating temperatures: -20 ... +120°C.	Sensor made as an L-type ("angle") pipe section of AISI 321 steel, DN100, PN160; 100-160-11-1-E (or 100-160-11-1-J) GOST 33259-2015 flanges; complete with 100-160-11-1-F (or 100-160-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel.





FIZEPR-SW100.27.X in-line moisture analyzers (moisture meters) for liquid materials with high electric conductivity, straight-flow design



81	Moisture analyzer FIZEPR-SW100. 27.5	Liquid materials with high electric conductivity in a DN50 pipeline, pressure is up to 25 atm. Range of operating temperatures: -20 ... +90°C.	Straight-flow sensor made as a DN50, PN25 pipe section of AISI 321 steel; 50-25-01-1-B GOST 33259-2015 flanges; complete with 50-25-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
82	Moisture analyzer FIZEPR-SW100. 27.6	Liquid materials with high electric conductivity in a DN80 pipeline, pressure is up to 25 atm. Range of operating temperatures: -20 ... +90°C.	Straight-flow sensor made as a DN80, PN25 pipe section of AISI 321 steel; 80-25-01-1-B GOST 33259-2015 flanges; complete with 80-25-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
83	Moisture analyzer FIZEPR-SW100. 27.61	Liquid materials with high electric conductivity in a DN80 pipeline, pressure is up to 25 atm. Range of operating temperatures: -20 ... +90°C.	Straight-flow sensor made as a DN80, PN25 pipe section of AISI 321 steel (with a probe located transverse to the pipe axis); 80-25-01-1-B GOST 33259-2015 flanges; complete with 80-25-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
84	Moisture analyzer FIZEPR-SW100. 27.10	Liquid materials with high electric conductivity in a DN125 pipeline, pressure is up to 6 atm. Range of operating temperatures: -20 ... +90°C.	Straight-flow sensor made as a DN125, PN6 pipe section of AISI 321 steel; 125-6-01-1-B GOST 33259-2015 flanges; complete with 125-6-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.

85	Moisture analyzer FIZEPR-SW100. 27.14	Liquid materials with high electric conductivity in a DN100 pipeline, pressure is up to 6 atm. Range of operating temperatures: -20 ... +90°C.	Straight-flow sensor made as a DN100, PN6 pipe section of AISI 321 steel; 100-6-01-1-B GOST 33259-2015 flanges; complete with 100-6-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
86	Moisture analyzer FIZEPR-SW100. 27.17	Liquid materials with high electric conductivity in a DN100 pipeline, pressure is up to 25 atm. Range of operating temperatures: -20 ... +90°C.	Straight-flow sensor made as a DN100, PN25 pipe section of AISI 321 steel; 100-25-01-1-B GOST 33259-2015 flanges; complete with 100-25-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
87	Moisture analyzer FIZEPR-SW100. 27.19	Liquid materials with high electric conductivity in a DN150 pipeline, pressure is up to 16 atm. Range of operating temperatures: -20 ... +90°C.	Straight-flow sensor made as a DN150, PN16 pipe section of AISI 321 steel; 150-16-01-1-B GOST 33259-2015 flanges; complete with 150-16-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.
88	Moisture analyzer FIZEPR-SW100. 27.22	Liquid materials with high electric conductivity in a DN100 pipeline, pressure is up to 160 atm. Range of operating temperatures: -20 ... +90°C	Straight-flow sensor made as a DN100, PN160 pipe section of AISI 321 steel; 100-160-11-1-E (or 100-160-11-1-J) GOST 33259-2015 flanges; complete with 100-160-11-1-F (or 100-160-11-1-J) GOST 33259-2015 mating flanges made of AISI 1020 steel.
89	Moisture analyzer FIZEPR-SW100. 27.24	Liquid materials with high electric conductivity in a DN150 pipeline, pressure is up to 6 atm. Range of operating temperatures: -20 ... +90°C.	Straight-flow sensor made as a DN150, PN6 pipe section of AISI 321 steel; 150-6-01-1-B GOST 33259-2015 flanges; complete with 150-6-01-1-B GOST 33259-2015 mating flanges made of AISI 1020 steel.

Additional equipment

1	<p>Converter AS4 by "Owen"</p>	 <p>USB – RS485 interface converter with galvanic isolation (powered from computer USB port)</p>
2	<p>Converter ACDR.426469.032 by NVP "Bolid"</p>	 <p>USB – RS485 interface converter with galvanic isolation (powered from computer USB port)</p>
3	<p>Measuring and regulating device TRM1 by "Owen"</p>	 <p>Digital indicator with a programmable device for discrete control of relay outputs</p>
4	<p>Digital operator panel SMI1-24 by "Owen"</p>	 <p>Data display panel with editing functions for distributed control systems in RS-485 network (Modbus RTU protocol)</p>

5 Supply unit
BP30B-D3-24
by "Owen"



30 W supply unit.
Output: 24V/1.25A.
Input: 90...264VAC