



Załącznik nr 6 – Wykaz sprzętów

Zamawiający:

WITPOL Sp. z o.o.

Stodzew 54B

08-441 Parysów

Lista przepływomierzy objętych adjustacją			
L.p.	Obszar	TAG no.	Opis
1	UHT	UAE1MF01	Przepływomierz rotametryczny
2	UHT	UAT4MF01	Przepływomierz rotametryczny
3	UHT	UAW3MF01	Przepływomierz rotametryczny
4	UHT	UAW7MF01	Przepływomierz rotametryczny
5	UHT	EAT1MF01	Przepływomierz magnetyczny
6	Proces	MBT4FT01	Mass flow meter 8F3B50-17U91/0
7	Proces	MBT5FT01	Mass flow meter 8F3B40-Q138/0
8	Proces	RA33FT01	Magn.-Ind. Flow meter IZMAG DN50
9	Proces	MB31FT01	Magn.-Ind. Flow meter IZMAG DN50
10	Proces	MB71FT01	Magn.-Ind. Flow meter IZMAG DN50
11	Proces	RA31FT01	Magn.-Ind. Flow meter IZMAG DN80
12	Proces	MA71FT01	Magn.-Ind. Flow meter IZMAG DN40
13	Proces	RA32FT01	Magn.-Ind. Flow meter IZMAG DN40
14	Proces	MA31FT01	Promass F 300 8F3B08 DN08 3/8"
15	Proces	MA31FT02	Promag 100 DN40
16	Proces	MA32FT01	Promag 100 DN 65
17	CIP	CA11 FT01	IZMAG-24V-getrennt-25bar - DN 065
18	CIP	CA12 FT01	IZMAG-24V-getrennt-25bar - DN 065



19	CIP	FT2120	H100 63.5 ISO2037 120m3/h w/o display 24V DC Ultra Comp.stainless PROFINET 0.5% Magnetic flow meter Promag H100 W 2-1/2" ISO 0-12000
20	CIP	FT2220	H100 63.5 ISO2037 120m3/h w/o display 24V DC Ultra Comp.stainless PROFINET 0.5% Magnetic flow meter Promag H100 W 2-1/2" ISO 0-12000
21	CIP	FT2320	H100 63.5 ISO2037 120m3/h w/o display 24V DC Ultra Comp.stainless PROFINET 0.5% Magnetic flow meter Promag H100 W 2-1/2" ISO 0-12000
22	CIP	FT2120	H100 63.5 ISO2037 120m3/h w/o display 24V DC Ultra Comp.stainless PROFINET 0.5% Magnetic flow meter Promag H100 W 2-1/2" ISO 0-12000
23	Proces	FT3101	E100 SMS 51 SS1145 Housing:Ultra Comp.stainless Range max:70000kgh 2xPlug M12 24V DC PROFINET IO Wetted part mat:Stainless steel
24	Proces	FT3201	H100 63.5 ISO2037 120m3/h w/o display 24V DC Ultra Comp.stainless PROFINET 0.5% Magnetic flow meter Promag H100 W 2-1/2" ISO 0-12000
25	Proces	FT3301	H100 51 ISO2037 66000l/h w/o display 24V DC Ultra Comp.stainless PROFINET 0.5% Magnetic flow meter Promag H100 W 2" ISO 0-66000l/h w
26	Proces	FT4150	E100 SMS 25 SS1145 Housing:Ultra Comp.stainless Range max:18000kgh 2xPlug M12 24V DC PROFINET IO Wetted part mat:Stainless steel
27	Proces	FT4250	E100 SMS 25 SS1145 Housing:Ultra Comp.stainless Range max:18000kgh 2xPlug M12 24V DC PROFINET IO Wetted part mat:Stainless steel
28	Proces	FT5000	E100 SMS 38 SS1145 Housing:Ultra Comp.stainless Range max:45000kgh 2xPlug M12 24V DC PROFINET IO Wetted part mat:Stainless steel
29	Proces	FT3201	H100 38 ISO2037 42000l/h w/o display 24V DC Ultra Comp.stainless PROFINET 0.5% Magnetic flow meter Promag H100 W 1-1/2" ISO 0-42000l
30	Proces	FT5000	E100 SMS 51 SS1145 Housing:Ultra Comp.stainless Range max:70000kgh 2xPlug M12 24V DC PROFINET IO Wetted part mat:Stainless steel
31	Proces	FT3101	H100 63.5 ISO2037 120m3/h w/o display 24V DC Ultra Comp.stainless PROFINET 0.5% Magnetic flow meter Promag H100 W 2-1/2" ISO 0-12000
32	Proces	FT3140	H100 63.5 ISO2037 120m3/h w/o display 24V DC Ultra Comp.stainless PROFINET 0.5% Magnetic flow meter Promag H100 W 2-1/2" ISO 0-12000
33	Proces	FT1120	H100 51 ISO2037 66000l/h w/o display 24V DC Ultra Comp.stainless PROFINET 0.5% Magnetic flow meter Promag H100 W 2" ISO 0-66000l/h w



34	Proces	FT3401	H100 51 ISO2037 66000l/h w/o display 24V DC Ultra Comp.stainless PROFINET 0.5% Magnetic flow meter Promag H100 W 2" ISO 0-66000l/h w
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Lista czujników ciśnienia objętych adjustacją			
L.p.	Obszar	TAG no.	Opis
1	CIP	CA11 PT01	Pressure transmitter TPF050D_MT2 (0 - 10,0 bar) Tubus Clamp DN40
2	CIP	CA12 PT01	Pressure transmitter TPF050D_MT2 (0 - 10,0 bar) Tubus Clamp DN40
3	Proces	MA71PT81	Pressure transmitter PSLG2_10bar
4	Proces	MA31PT82	Pressure transmitter PSLG2_10bar
5	Proces	MA71PT82	Pressure transmitter PSLG2_10bar
6	Proces	MB71PT82	Pressure transmitter PSLG2_10bar
7	Proces	MA71PT01	Pressure transmitter PSLPZ 10bar_MT1
8	Proces	RA32PT01	Pressure transmitter PSLPZ 10bar_MT1
9	Proces	RA33PT01	Pressure transmitter PSLPZ 10bar_MT1
10	Proces	MA31PT03	Pressure transmitter PSLPZ 10bar_MT1
11	Proces	MB21PT01	Pressure transmitter PSLPZ 10bar_MT1
12	Proces	MB31PT01	Pressure transmitter PSLPZ 10bar_MT1
13	Proces	MB31PT02	Pressure transmitter PSLPZ 10bar_MT1
14	Proces	MBT5PT02	Pressure transmitter PSLPZ 10bar_MT1
15	Proces	MBT4LT01	Pressure transmitter PSLPZ 0,35bar_MT1
16	Proces	RAT1LT01	Pressure transmitter PSLPZ 0,5bar_MT1
17	Proces	RAT2LT01	Pressure transmitter PSLPZ 0,5bar_MT1
18	Proces	RAT3LT01	Pressure transmitter PSLPZ 0,5bar_MT1
19	Proces	MBT1LT01	Pressure transmitter PSLPZ 0,5bar_MT1
20	Proces	MBT2LT01	Pressure transmitter PSLPZ 0,5bar_MT1
21	Proces	MBT3LT01	Pressure transmitter PSLPZ 0,5bar_MT1
22	Proces	MA31PT01	Pressure transmitter PSLPZ 10bar_MT1
23	Proces	MA31PT02	Pressure transmitter PSLPZ 10bar_MT1



24	Proces	MBT5PT01	Pressure transmitter PSLPZ 10bar_MT1
25	UHT	UAW7MP01	PZM050D_MT2-80BAR-M38X1,5
26	UHT	UAW7MP02	IPT-20-0-50BAR
27	UHT	UAH1MP10	TPF050D_MT2-10BAR-CLAMP-DN40
28	UHT	UAH1MP20	PZM050D_MT2-80BAR-M38X1,5
29	CIP	PT2120	PI G 1"A 0.0 - 10.0bar Housing 316L Gland M12 4-20mA Pressure transmitter PI2794 Aseptoflex -1-10bar 4-20mA 2/3-wires PNP/NPN w.disp
30	CIP	PT2220	PI G 1"A 0.0 - 10.0bar Housing 316L Gland M12 4-20mA Pressure transmitter PI2794 Aseptoflex -1-10bar 4-20mA 2/3-wires PNP/NPN w.disp
31	CIP	PT2320	PI G 1"A 0.0 - 10.0bar Housing 316L Gland M12 4-20mA Pressure transmitter PI2794 Aseptoflex -1-10bar 4-20mA 2/3-wires PNP/NPN w.disp
32	CIP	PT1101	PI G 1"A -5.0 - 100.0kPa Housing SS M12 4-20mA Pressure transmitter PI2797 Aseptoflex -50-1000mbar PNP/NPN With display, 18/20-32V D
33	CIP	PT1201	PI G 1"A -5.0 - 100.0kPa Housing SS M12 4-20mA Pressure transmitter PI2797 Aseptoflex -50-1000mbar PNP/NPN With display, 18/20-32V D
34	CIP	PT1301	PI G 1"A -5.0 - 100.0kPa Housing SS M12 4-20mA Pressure transmitter PI2797 Aseptoflex -50-1000mbar PNP/NPN With display, 18/20-32V D
35	CIP	PT1401	PI G 1"A -5.0 - 100.0kPa Housing SS M12 4-20mA Pressure transmitter PI2797 Aseptoflex -50-1000mbar PNP/NPN With display, 18/20-32V D
36	CIP	PT2220	PI G 1"A 0.0 - 10.0bar Housing 316L Gland M12 4-20mA Pressure transmitter PI2794 Aseptoflex -1-10bar 4-20mA 2/3-wires PNP/NPN w.disp
37	CIP	PT1201	PI G 1"A -5.0 - 100.0kPa Housing SS M12 4-20mA Pressure transmitter PI2797 Aseptoflex -50-1000mbar PNP/NPN With display, 18/20-32V D
38	CIP	PT1301	PI G 1"A -5.0 - 100.0kPa Housing SS M12 4-20mA Pressure transmitter PI2797 Aseptoflex -50-1000mbar PNP/NPN With display, 18/20-32V D
39	LT1101	Pressure transmitter	PI G 1"A -5.0 - 100.0kPa Housing SS M12 4-20mA Pressure transmitter PI2797 Aseptoflex -50-1000mbar PNP/NPN With display, 18/20-32V D
40	LT1201	Pressure transmitter	PI G 1"A -5.0 - 100.0kPa Housing SS M12 4-20mA Pressure transmitter PI2797 Aseptoflex -50-1000mbar PNP/NPN With display, 18/20-32V D



41	LT1301	Pressure transmitter	PI G 1"A -5.0 - 100.0kPa Housing SS M12 4-20mA Pressure transmitter PI2797 Aseptoflex -50-1000mbar PNP/NPN With display, 18/20-32V D
42	LT1401	Pressure transmitter	PI G 1"A -5.0 - 100.0kPa Housing SS M12 4-20mA Pressure transmitter PI2797 Aseptoflex -50-1000mbar PNP/NPN With display, 18/20-32V D
43	PT2181	Pressure transmitter	PI G 1"A 0.0 - 10.0bar Housing 316L Gland M12 4-20mA Pressure transmitter PI2794 Aseptoflex -1-10bar 4-20mA 2/3-wires PNP/NPN w.disp
44	PT3101	Pressure transmitter	PI G 1"A -0.1 - 2.5MPa Housing SS M12 4-20mA
45	PT3201	Pressure transmitter	PI G 1"A 0.0 - 10.0bar Housing 316L Gland M12 4-20mA Pressure transmitter PI2794 Aseptoflex -1-10bar 4-20mA 2/3-wires PNP/NPN w.disp
46	PT3301	Pressure transmitter	PI G 1"A -0.1 - 2.5MPa Housing SS M12 4-20mA
47	PT1201	Pressure transmitter	PI G 1"A -5.0 - 100.0kPa Housing SS M12 4-20mA Pressure transmitter PI2797 Aseptoflex -50-1000mbar PNP/NPN With display, 18/20-32V D
48	PT1301	Pressure transmitter	PI G 1"A -5.0 - 100.0kPa Housing SS M12 4-20mA Pressure transmitter PI2797 Aseptoflex -50-1000mbar PNP/NPN With display, 18/20-32V D
49	LT1101	Pressure transmitter	PI G 1"A -5.0 - 100.0kPa Housing SS M12 4-20mA Pressure transmitter PI2797 Aseptoflex -50-1000mbar PNP/NPN With display, 18/20-32V D
50	PT3240	Pressure transmitter	PI G 1"A 0.0 - 10.0bar Housing 316L Gland M12 4-20mA Pressure transmitter PI2794 Aseptoflex -1-10bar 4-20mA 2/3-wires PNP/NPN w.disp
51	PT3245	Pressure transmitter	PI G 1"A 0.0 - 10.0bar Housing 316L Gland M12 4-20mA Pressure transmitter PI2794 Aseptoflex -1-10bar 4-20mA 2/3-wires PNP/NPN w.disp
52	PT2140	Pressure transmitter	PI G 1"A 0.0 - 10.0bar Housing 316L Gland M12 4-20mA Pressure transmitter PI2794 Aseptoflex -1-10bar 4-20mA 2/3-wires PNP/NPN w.disp
53	PT2145	Pressure transmitter	PI G 1"A 0.0 - 10.0bar Housing 316L Gland M12 4-20mA Pressure transmitter PI2794 Aseptoflex -1-10bar 4-20mA 2/3-wires PNP/NPN w.disp
54	PT1111	Pressure transmitter	PI G 1"A 0.0 - 10.0bar Housing 316L Gland M12 4-20mA Pressure transmitter PI2794 Aseptoflex -1-10bar 4-20mA 2/3-wires PNP/NPN w.disp
55	LT1101	Pressure transmitter	PI G 1"A -5.0 - 100.0kPa Housing SS M12 4-20mA Pressure transmitter PI2797 Aseptoflex -50-1000mbar PNP/NPN With display, 18/20-32V D



56	LT1201	Pressure transmitter	PI G 1"A -5.0 - 100.0kPa Housing SS M12 4-20mA Pressure transmitter PI2797 Aseptoflex -50-1000mbar PNP/NPN With display, 18/20-32V D
57	PT2100	Pressure transmitter	PI G 1"A 0.0 - 10.0bar Housing 316L Gland M12 4-20mA Pressure transmitter PI2794 Aseptoflex -1-10bar 4-20mA 2/3-wires PNP/NPN w.disp

Lista czujników temperatury objętych adjustacją			
L.p.	Obszar	TAG no.	Opis
1	UHT	MA31TT01	Resistance thermometer WTH TP12
2	UHT	MA31TT71	Resistance thermometer WTH TP12
3	UHT	MA71TT01	Resistance thermometer WTH TP12
4	UHT	RA33TT01	Resistance thermometer WTH TP12
5	UHT	RA33TT71	Resistance thermometer WTH TP12
6	UHT	RAT1TT01	Resistance thermometer WTH TP12
7	UHT	RAT2TT01	Resistance thermometer WTH TP12
8	UHT	RAT3TT01	Resistance thermometer WTH TP12
9	UHT	MB21TT01	Resistance thermometer WTH TP12
10	UHT	MB21TT61	Resistance thermometer WTH TP12
11	UHT	MB71TT01	Resistance thermometer WTH TP12
12	UHT	MBT1TT01	Resistance thermometer WTH TP12
13	UHT	MBT2TT01	Resistance thermometer WTH TP12
14	UHT	MBT3TT01	Resistance thermometer WTH TP12
15	UHT	MBT4TT01	Resistance thermometer WTH TP12
16	UHT	MBT5TT01	Resistance thermometer WTH TP12
17	Proces	UAE1MT01	Resistance thermometer WTH TP12
18	Proces	UAE1MT02	Resistance thermometer WTH TP12
19	Proces	UAE1MT03	Resistance thermometer WTH TP12
20	Proces	UAE2MT01	Resistance thermometer WTH TP12
21	Proces	UAE3MT01	Resistance thermometer WTH TP12



22	Proces	UAE4MT01	Resistance thermometer WTH TP12
23	Proces	UAW6MT01	Resistance thermometer WTH TP12
24	Proces	UAW7MT01	Resistance thermometer WTH TP12
25	Proces	UAW7MT02	Resistance thermometer WTH TP12
26	Proces	SAA1MT01	Resistance thermometer WTH TP12
27	Proces	SAA1MT02	Resistance thermometer WTH TP12
28	Proces	SAARMT01	Resistance thermometer WTH TP12
29	Proces	SASTMT01	Resistance thermometer WTH TP12
30	Proces	SASTMT21	Resistance thermometer WTH TP12
31	Proces	SAT1MT01	Resistance thermometer WTH TP12
32	Proces	SACPMT01	Resistance thermometer WTH TP12
33	Proces	SAF1MT01	Resistance thermometer WTH TP12
34	Proces	SACRMT01	Resistance thermometer WTH TP12
35	CIP	CAT2 TT01	Resistance thermometer WTH TP12
36	CIP	CAT3 TT01	Resistance thermometer WTH TP12
37	CIP	CAT4 TT01	Resistance thermometer WTH TP12
38	CIP	CA11 TT01	Resistance thermometer WTH TP12
39	CIP	CA12 TT01	Resistance thermometer WTH TP12
40	CIP	TT2120	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
41	CIP	TT2121	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
42	CIP	TT3130	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
43	CIP	TE2120	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
44	CIP	TE2121	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
45	CIP	TE2220	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
46	CIP	TE2221	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
47	CIP	TE2320	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
48	CIP	TE2321	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
49	CIP	TE3130	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link



50	CIP	TE3230	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
51	CIP	TE3330	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
52	CIP	TT1201	TA G½"A Temp range: -50 - 200°C Cali ran N/A 316L M12 IP67 IO-Link
53	CIP	TT1301	TA G½"A Temp range: -50 - 200°C Cali ran N/A 316L M12 IP67 IO-Link
54	Proces	TT5301	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
55	Proces	TT1101	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP67 IO-Link
56	Proces	TE1201	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP67 IO-Link
57	Proces	TT2100	TA G½"A Temp range: -50 - 200°C Cali ran N/A 316L M12 IP67 IO-Link
58	Proces	TT2101	TPT12 G½" Temp range: 0 - 100°C Cali ran Integrated transmitter N/A M12 IP67
59	Proces	TT2102	TPT12 G½" Temp range: 0 - 100°C Cali ran Integrated transmitter N/A M12 IP67
60	Proces	TT2103	TA G½"A Temp range: -50 - 200°C Cali ran N/A 316L M12 IP67 IO-Link
61	Proces	TT5101	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
62	Proces	TT5102	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
63	Proces	TT5201	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
64	Proces	TT5202	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
65	Proces	TT5302	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
66	Proces	TT1101	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP67 IO-Link
67	Proces	TT1201	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP67 IO-Link
68	Proces	TT1301	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP67 IO-Link
69	Proces	TT5001	TA G½"A Temp range: -50 - 200°C Cali ran N/A 316L M12 IP67 IO-Link
70	Proces	TT1111	TA G½"A Temp range: -50 - 200°C Cali ran N/A 316L M12 IP67 IO-Link
71	Proces	02TT5001	TPT12 G½" Temp range: 0 - 100°C Cali ran Integrated transmitter N/A M12 IP67
72	Proces	TT1101	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP67 IO-Link
73	Proces	TT1201	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP67 IO-Link
74	Proces	TT1301	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP67 IO-Link
75	Proces	TT1401	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP67 IO-Link
76	Proces	TT2181	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
77	Proces	TT2182	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link



78	Proces	TT3101	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
79	Proces	TT3201	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
80	Proces	TT3202	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
81	Proces	TT3310	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
82	Proces	TT3311	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
83	Proces	TT5121	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
84	Proces	TT5122	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
85	Proces	TT5131	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
86	Proces	TT5132	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
87	Proces	TT5211	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link
88	Proces	TT5212	TA G½"A Temp range: -50 - 200°C Cali range: 0 N/A 316L M12 IP66 IO-Link

Lista konduktometrów objętych adjustacją			
L.p.	Obszar	TAG no.	Opis
1	UHT	UAT1MC01/MT01	ProfiLine pH/Cond 3320
2	UHT	UAT1MC02/MT02	ProfiLine pH/Cond 3321
3	Odgazowacz	EAT1MC01/MC01	ProfiLine pH/Cond 3322
4	CIP	CA22CT01	ProfiLine pH/Cond 3323
5	CIP	CA21CT01	ProfiLine pH/Cond 3324
6	CIP	QT3130	LDL200 G 1" ISO228 No
7	CIP	QT3130	LDL200 G 1" ISO228 No
8	CIP	QT3230	LDL200 G 1" ISO228 No
9	CIP	QT3330	LDL200 G 1" ISO228 No