

AIR LIQUIDE <small>TM</small>				Specification Pressure Transmitter				TAG - No.: PT20003			
Air Liquide AGS GmbH				Project: ASU No. 9 KOSICE				Project-No.: K70101			
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.				Designation: HP-GAN TO CUSTOMER				Page: of:			
								Combination with Tag-No.:			

Rev.								Rev.				
	1	Line - No.	100 N-20008-AA40C1					54	Manufacturer	Endress + Hauser		
	2	Equipment-No.						55	Type	CERABAR-S PMP71		
	3	DN	100	PN	40	Material	St37		56	Order-No.		
	4	Flanges	DIN EN 1092-1		Gasket	Form B1			57	Order addition		
	5	Taps			Material				58			
	6	Medium	GAN					59	Range	40 barg		
	7							60	Adjusted span	0...30 barg		
	8	State	<input type="checkbox"/> liquid <input checked="" type="checkbox"/> gaseous <input type="checkbox"/> vaporous					61	Output signal	4...20 mA		
	9	Operation case	case 1	case 2	case 3			62	Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire		
	10	Flow	Nm³/h	3500				63	Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root		
	11	P ₁ (abs.)	bar	21				64	Accuracy of	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%		
	12	Temperature t ₁	°C	20				65	range (20°C)			
	13	Ambient temp.	°C	-25...+35°C				66	Allow. ambient temp.	-40...+80°C		
	14	Process connection	G 1/2" male					67	Aux. energy	11...36 V		
	15							68	El. connection			
	16	Design pressure						69	Cable gland	M 20		
	17	Overpressure limit	160 barg					70	Digital transmitter	<input checked="" type="checkbox"/> HART-protocol		
	18	Allow. medium temp.	-40...+80°C					71				
	19	Material connection	316 SST					72	Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6		
	20	Material diaphragm	316 SST					73		<input type="checkbox"/> FM Explosion Proof Approval		
	21	Material O-ring						74	Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French		
	22	Material casing	Aluminium					75	Quantity per type	4-fold		
	23	Liquid filling	Inert					76	<input checked="" type="checkbox"/> Bracket f. panel mount.	<input type="checkbox"/> Bracket + bow f. pipe mounting		
	24	Kind of sensor	Metal cell					77	<input checked="" type="checkbox"/> Stainless steel	<input type="checkbox"/> Steel, galvanized		
	25	Enclosure Class	IP 65 / NEMA 4x					78	<input type="checkbox"/> Indicator			
	26							79	<input type="checkbox"/> digital <input type="checkbox"/> analog	Scale:		
	27	<input type="checkbox"/>	DN	PN	Material			80	<input type="checkbox"/> Transient protection			
	28	Flanges			Gasket			81				
	29	Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					82				
	30	Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					83				
	31		<input type="checkbox"/> at pressure sensor					84				
	32	Capillary length						85				
	33	DN	PN	Material				86	<input type="checkbox"/> Material certificate EN 10204 -3.1B			
	34	Flanges			Gasket			87	<input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service			
	35	Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					88	<input type="checkbox"/> Packed acc. Cert. 06271			
	36	Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					89	<input type="checkbox"/> PTB calibration certificate			
	37							90	<input type="checkbox"/> Conformity certificate			
	38	Capillary length						91	<input checked="" type="checkbox"/> Marking with TAG-number			
	39	Liquid filling						92				
	40	PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes					93				
	41	Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"					93				
	42							94				
	43	<div style="display: flex; flex-direction: column; align-items: center;"> <div>Remarks</div> <div style="margin-top: 20px;"> <div style="display: flex; justify-content: space-between; width: 100%;"> <div>0</div> <div>20.09.2004</div> <div>Möller</div> <div>Eichler</div> <div>Initial Version</div> </div> <div style="display: flex; justify-content: space-between; width: 100%;"> <div>Rev.</div> <div>Date</div> <div>Name</div> <div>Checked</div> <div>Change</div> </div> </div> </div>										
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		Specification Pressure Transmitter				TAG - No.: PT20013 Project-No.: K70101	
		Air Liquide AGS GmbH				Project: ASU No. 9 KOSICE Designation: HP-GOX TO CUSTOMER	
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.						Page: of: Combination with Tag-No.:	

Rev.								Rev.				
		Line - No.	250 O-20006-ZB40C1						54	Manufacturer	Endress + Hauser	
		Equipment-No.							55	Type	CERABAR-S PMP71	
	Location	DN	250	PN	40	Material	SST			56	Order-No.	
		Flanges	DIN EN 1092-1		Gasket	Form B1				57	Order addition	
		Taps			Material					58		
	Service conditions	Medium	GOX (oxygen)						59	Range	40 barg	
		State	<input type="checkbox"/> liquid <input checked="" type="checkbox"/> gaseous <input type="checkbox"/> vaporous						60	Adjusted span	0...40 barg	
		Operation case	case 1	case 2	case 3			61	Output signal	4...20 mA		
		Flow	Nm³/h	11000	20000	25000			62	Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire	
		P ₁ (abs.)	bar	28	28	28			63	Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root	
		Temperature t ₁	°C	23,1	20	19,4			64	Accuracy of range (20°C)	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%	
		Ambient temp.	°C -25...+35°C						65	Allow. ambient temp.	-40...+80°C	
	Medium contacted parts	Process connection	G 1/2" male						66	Aux. energy	11...36 V	
		Design pressure							67	El. connection		
		Overpressure limit	160 barg						68	Cable gland	M 20	
		Allow. medium temp.	-40...+80°C						69	Digital transmitter	<input checked="" type="checkbox"/> HART-protocol	
		Material connection	316 SST						70	Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6	
		Material diaphragm	316 SST						71		<input type="checkbox"/> FM Explosion Proof Approval	
		Material O-ring							72	Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French	
		Material casing	Aluminium						73	Quantity per type	4-fold	
		Liquid filling	Inert						74			
		Kind of sensor	Metal cell						75	<input checked="" type="checkbox"/> Bracket f. panel mount. <input type="checkbox"/> Bracket + bow f. pipe mounting		
	Pressure sensor	Enclosure Class	IP 65 / NEMA 4x						76	<input checked="" type="checkbox"/> Stainless steel <input type="checkbox"/> Steel, galvanized		
									77	<input type="checkbox"/> Indicator		
									78	<input type="checkbox"/> digital <input type="checkbox"/> analog Scale:		
									79	<input type="checkbox"/> Transient protection		
									80			
									81			
									82			
									83			
									84	<input type="checkbox"/> Material certificate EN 10204 -3.1B		
									85	<input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service		
	Accessories	DN		PN		Material				86	<input type="checkbox"/> Packed acc. Cert. 06271	
		Flanges			Gasket					87	<input type="checkbox"/> PTB calibration certificate	
		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm							88	<input type="checkbox"/> Conformity certificate	
		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom							89	<input checked="" type="checkbox"/> Marking with TAG-number	
			<input type="checkbox"/> at pressure sensor							90		
		Capillary length								91		
	Certificates	DN		PN		Material				92		
		Flanges			Gasket					93		
		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm							94		
		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom									
		Capillary length										
		Liquid filling										
		PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes									
		Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"									

Rev.	Date	Name	Checked	Change	Rev.	Date	Name	Checked	Change
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		Specification Pressure Transmitter				TAG - No.: PT20015 Project-No.: K70101	
		Air Liquide AGS GmbH				Project: ASU No. 9 KOSICE Designation: HP-GOX TO CUSTOMER DIS. VALVE UK20013	
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.						Page: of:	
						Combination with Tag-No.:	

Rev.								Rev.				
	1	Line - No.	250 O-20007-ZB40C1					54	Manufacturer	Endress + Hauser		
	2	Equipment-No.						55	Type	CERABAR-S PMP71		
	3	DN	250	PN	40	Material	SST		56	Order-No.		
	4	Flanges	DIN EN 1092-1		Gasket	Form B1			57	Order addition		
	5	Taps			Material				58			
	6	Medium	GOX (oxygen)					59	Range	40 barg		
	7							60	Adjusted span	0...40 barg		
	8	State	<input type="checkbox"/> liquid <input checked="" type="checkbox"/> gaseous <input type="checkbox"/> vaporous					61	Output signal	4...20 mA		
	9	Operation case	case 1	case 2	case 3			62	Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire		
	10	Flow	Nm³/h	11000	20000	25000			63	Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root	
	11	P ₁ (abs.)	bar	28	28	28			64	Accuracy of	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%	
	12	Temperature t ₁	°C	23,1	20	19,4			65	range (20°C)		
	13	Ambient temp.	°C	-25...+35°C					66	Allow. ambient temp.	-40...+80°C	
	14	Process connection	G 1/2" male					67	Aux. energy	11...36 V		
	15							68	El. connection			
	16	Design pressure						69	Cable gland	M 20		
	17	Overpressure limit	160 barg					70	Digital transmitter	<input checked="" type="checkbox"/> HART-protocol		
	18	Allow. medium temp.	-40...+80°C					71				
	19	Material connection	316 SST					72	Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6 <input type="checkbox"/> FM Explosion Proof Approval		
	20	Material diaphragm	316 SST					73	Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French		
	21	Material O-ring						74	Quantity per type	4-fold		
	22	Material casing	Aluminium					75				
	23	Liquid filling	Inert					76	<input checked="" type="checkbox"/> Bracket f. panel mount.	<input type="checkbox"/> Bracket + bow f. pipe mounting		
	24	Kind of sensor	Metal cell					77	<input checked="" type="checkbox"/> Stainless steel	<input type="checkbox"/> Steel, galvanized		
	25	Enclosure Class	IP 65 / NEMA 4x					78	<input type="checkbox"/> Indicator			
	26							79	<input type="checkbox"/> digital <input type="checkbox"/> analog	Scale:		
	27	<input type="checkbox"/>	DN		PN		Material		80	<input type="checkbox"/> Transient protection		
	28	Flanges			Gasket				81			
	29	Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					82				
	30	Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom <input type="checkbox"/> at pressure sensor					83				
	31							84	<input type="checkbox"/> Material certificate EN 10204 -3.1B			
	32	Capillary length						85	<input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service			
	33	DN		PN		Material		86	<input type="checkbox"/> Packed acc. Cert. 06271			
	34	Flanges			Gasket				87	<input type="checkbox"/> PTB calibration certificate		
	35	Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					88	<input type="checkbox"/> Conformity certificate			
	36	Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					89	<input checked="" type="checkbox"/> Marking with TAG-number			
	37							90				
	38	Capillary length						91				
	39	Liquid filling						92				
	40	PVC-coating	<input type="checkbox"/> no		<input type="checkbox"/> yes			93				
	41	Ex-protection	<input type="checkbox"/> no		<input type="checkbox"/> "Zone 0"			93				
	42							94				
	43	<div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border: 1px solid black;"></div>										
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Rev.	Date	Name	Checked	Change	Rev.	Date	Name	Change

AIR LIQUIDE <small>TM</small>				Specification Pressure Transmitter				TAG - No.: PT20016			
Air Liquide AGS GmbH				Project: ASU No. 9 KOSICE				Project-No.: K70101			
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.				Designation: HP-GOX TO CUSTOMER DIS. VALVE UK20014				Page: of:			
Designation: HP-GOX TO CUSTOMER DIS. VALVE UK20014				Combination with Tag-No.:							

Rev.								Rev.				
	1	Line - No.	250 O-20006-ZB40C1					54	Manufacturer	Endress + Hauser		
	2	Equipment-No.						55	Type	CERABAR-S PMP71		
	3	DN	250	PN	40	Material	SST		56	Order-No.		
	4	Flanges	DIN EN 1092-1		Gasket	Form B1			57	Order addition		
	5	Taps			Material				58			
	6	Medium	GOX (oxygen)					59	Range	40 barg		
	7							60	Adjusted span	0...40 barg		
	8	State	<input type="checkbox"/> liquid <input checked="" type="checkbox"/> gaseous <input type="checkbox"/> vaporous					61	Output signal	4...20 mA		
	9	Operation case	case 1	case 2	case 3			62	Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire		
	10	Flow	Nm³/h	11000	20000	25000			63	Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root	
	11	P ₁ (abs.)	bar	28	28	28			64	Accuracy of	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%	
	12	Temperature t ₁	°C	23,1	20	19,4			65	range (20°C)		
	13	Ambient temp.	°C	-25...+35°C					66	Allow. ambient temp.	-40...+80°C	
	14	Process connection	G 1/2" male					67	Aux. energy	11...36 V		
	15							68	El. connection			
	16	Design pressure						69	Cable gland	M 20		
	17	Overpressure limit	160 barg					70	Digital transmitter	<input checked="" type="checkbox"/> HART-protocol		
	18	Allow. medium temp.	-40...+80°C					71				
	19	Material connection	316 SST					72	Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6		
	20	Material diaphragm	316 SST					73		<input type="checkbox"/> FM Explosion Proof Approval		
	21	Material O-ring						74	Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French		
	22	Material casing	Aluminium					75	Quantity per type	4-fold		
	23	Liquid filling	Inert					76	<input checked="" type="checkbox"/> Bracket f. panel mount.	<input type="checkbox"/> Bracket + bow f. pipe mounting		
	24	Kind of sensor	Metal cell					77	<input checked="" type="checkbox"/> Stainless steel	<input type="checkbox"/> Steel, galvanized		
	25	Enclosure Class	IP 65 / NEMA 4x					78	<input type="checkbox"/> Indicator			
	26							79	<input type="checkbox"/> digital <input type="checkbox"/> analog	Scale:		
	27	<input type="checkbox"/> Plus-side	DN	PN	Material			80	<input type="checkbox"/> Transient protection			
	28	Flanges			Gasket				81			
	29	Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					82				
	30	Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					83				
	31		<input type="checkbox"/> at pressure sensor					84				
	32	Capillary length						85				
	33	<input type="checkbox"/> Minus-side	DN	PN	Material			86	<input type="checkbox"/> Material certificate EN 10204 -3.1B			
	34	Flanges			Gasket				87	<input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service		
	35	Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					88	<input type="checkbox"/> Packed acc. Cert. 06271			
	36	Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					89	<input type="checkbox"/> PTB calibration certificate			
	37							90	<input type="checkbox"/> Conformity certificate			
	38	Capillary length						91	<input checked="" type="checkbox"/> Marking with TAG-number			
	39	Liquid filling						92				
	40	PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes					93				
	41	Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"					93				
	42							94				
	43	<div style="display: flex; justify-content: space-between;"> <div style="width: 15%;"> Remarks </div> <div style="width: 85%;"> </div> </div>										
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Rev.	Date	Name	Checked	Change	Rev.	Date	Name	Checked	Change

AIR LIQUIDE Air Liquide AGS GmbH				Specification Pressure Transmitter				TAG - No.: PT44105 Project-No.: K70101 Page: of:			
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.				Designation: LP-LAR TANK B44101 (TANK 1)				Combination with Tag-No.:			

Rev.							Rev.				
		Location	Line - No.						Manufacturer	Endress + Hauser	
			Equipment-No.	B44101					Type	CERABAR-S PMP71	
			DN		PN		Material		Order-No.		
			Flanges				Gasket		Order addition		
			Taps				Material				
		Service conditions	Medium	GAR (argon)					Range	10 barg	
			State	<input type="checkbox"/> liquid <input checked="" type="checkbox"/> gaseous <input type="checkbox"/> vaporous					Adjusted span	0...2 barg	
			Operation case	case 1	case 2	case 3			Output signal	4...20 mA	
			Flow	Nm³/h					Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire	
			P ₁ (abs.)	bar	1,63	1,63	1,63		Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root	
			Temperature t ₁	°C	-182	-182	-182		Accuracy of range (20 °C)	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%	
			Ambient temp.	°C	-25...+35°C				Allow. ambient temp.	-40...+80 °C	
			Process connection	G 1/2" male					Aux. energy	11...36 V	
			Design pressure						El. connection		
			Overpressure limit	40 barg					Cable gland	M 20	
		Medium contacted parts	Allow. medium temp.	-40...+80 °C					Digital transmitter	<input checked="" type="checkbox"/> HART-protocol	
			Material connection	316 SST					Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6 <input type="checkbox"/> FM Explosion Proof Approval	
			Material diaphragm	316 SST					Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French	
			Material O-ring						Quantity per type	4-fold	
			Material casing	Aluminium							
			Liquid filling	Inert					<input checked="" type="checkbox"/> Bracket f. panel mount. <input type="checkbox"/> Bracket + bow f. pipe mounting		
			Kind of sensor	Metal cell					<input checked="" type="checkbox"/> Stainless steel <input type="checkbox"/> Steel, galvanized		
			Enclosure Class	IP 65 / NEMA 4x					<input type="checkbox"/> Indicator		
									<input type="checkbox"/> digital <input type="checkbox"/> analog Scale:		
									<input type="checkbox"/> Transient protection		
		Pressure sensor	Plus-side	DN		PN		Material			
			Flanges				Gasket				
			Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm							
			Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom <input type="checkbox"/> at pressure sensor							
			Capillary length								
			Minus-side	DN		PN		Material			
			Flanges				Gasket				
			Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm							
			Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom							
			Capillary length								
			Liquid filling								
			PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes							
			Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"							
		Remarks									
0	20.09.2004	Möller	Eichler	Initial Version							
Rev.	Date	Name	Checked	Change	Rev.	Date	Name	Checked	Change		

SPF718EN XLS 29.04.1998

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AIR LIQUIDE <small>TM</small>		Specification Pressure Transmitter				TAG - No.: PT48050	
Air Liquide AGS GmbH		Project: ASU No. 9 KOSICE				Project-No.: K70101	
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.		Designation: END PRESSURE LAR PUMP P48001				Page: of:	
						Combination with Tag-No.:	

Rev.								Rev.					
	1	Line - No.	50 RL-48001-					54	Manufacturer	Endress + Hauser			
	2	Equipment-No.						55	Type	CERABAR-S PMP71			
	3	DN	50	PN		Material		56	Order-No.				
	4	Flanges	DIN EN 1092-1		Gasket	Form B1		57	Order addition				
	5	Taps			Material			58					
	6	Medium	LAR (argon)					59	Range	40 barg			
	7							60	Adjusted span	0...40 barg			
	8	State	<input checked="" type="checkbox"/> liquid <input type="checkbox"/> gaseous <input type="checkbox"/> vaporous					61	Output signal	4...20 mA			
	9	Operation case	case 1	case 2	case 3			62	Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire			
	10	Flow	Nm³/h					63	Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root			
	11	P ₁ (abs.)	bar	23				64	Accuracy of	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%			
	12	Temperature t ₁	°C	-180				65	range (20°C)				
	13	Ambient temp.	°C	-25...+35°C				66	Allow. ambient temp.	-40...+80°C			
	14	Process connection	G 1/2" male					67	Aux. energy	11...36 V			
	15							68	El. connection				
	16	Design pressure						69	Cable gland	M 20			
	17	Overpressure limit	160 barg					70	Digital transmitter	<input checked="" type="checkbox"/> HART-protocol			
	18	Allow. medium temp.	-40...+80°C					71					
	19	Material connection	316 SST					72	Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6			
	20	Material diaphragm	316 SST					73		<input type="checkbox"/> FM Explosion Proof Approval			
	21	Material O-ring						74	Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French			
	22	Material casing	Aluminium					75	Quantity per type	4-fold			
	23	Liquid filling	Inert					76	<input checked="" type="checkbox"/> Bracket f. panel mount. <input type="checkbox"/> Bracket + bow f. pipe mounting				
	24	Kind of sensor	Metal cell					77	<input checked="" type="checkbox"/> Stainless steel <input type="checkbox"/> Steel, galvanized				
	25	Enclosure Class	IP 65 / NEMA 4x					78	<input type="checkbox"/> Indicator				
	26							79	<input type="checkbox"/> digital <input type="checkbox"/> analog Scale:				
	27	<input type="checkbox"/>	DN		PN		Material		80	<input type="checkbox"/> Transient protection			
	28	Flanges			Gasket				81				
	29	Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm						82				
	30	Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom						83				
	31		<input type="checkbox"/> at pressure sensor						84				
	32	Capillary length						85					
	33	DN		PN		Material		86	<input type="checkbox"/> Material certificate EN 10204 -3.1B				
	34	Flanges			Gasket				87	<input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service			
	35	Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm						88	<input type="checkbox"/> Packed acc. Cert. 06271			
	36	Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom						89	<input type="checkbox"/> PTB calibration certificate			
	37								90	<input type="checkbox"/> Conformity certificate			
	38	Capillary length						91	<input checked="" type="checkbox"/> Marking with TAG-number				
	39	Liquid filling						92					
	40	PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes						93				
	41	Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"						93				
	42							94					
	43	<div style="display: flex; justify-content: space-between;"> <div>Remarks</div> <div></div> </div>											
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				Specification Pressure Transmitter				TAG - No.: PT63033			
				Project: ASU No. 9 KOSICE				Project-No.: K70101			
Air Liquide AGS GmbH								Designation: END PRESSURE LOX PUMP P63001			
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.								Combination with Tag-No.: _____			

Rev.								Rev.			
	1	Line - No.	50 OL-63003-ZB10C1C					54	Manufacturer	Endress + Hauser	
	2	Equipment-No.						55	Type	CERABAR-S PMP71	
	3	DN	80	PN	10	Material	VA		56	Order-No.	
	4	Flanges	DIN EN 1092-1		Gasket	Form B1			57	Order addition	
	5	Taps			Material				58		
	6	Medium	LOX (oxigen)					59	Range	10 barg	
	7							60	Adjusted span	0...6 barg	
	8	State	<input checked="" type="checkbox"/> liquid <input type="checkbox"/> gaseous <input type="checkbox"/> vaporous					61	Output signal	4...20 mA	
	9	Operation case	case 1	case 2	case 3			62	Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire	
	10	Flow	Nm³/h	5000				63	Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root	
	11	P ₁ (abs.)	bar	4				64	Accuracy of	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%	
	12	Temperature t ₁	°C	-181,8				65	range (20°C)		
	13	Ambient temp.	°C	-25...+35°C					66	Allow. ambient temp.	-40...+80°C
	14	Process connection	G 1/2" male					67	Aux. energy	11...36 V	
	15							68	El. connection		
	16	Design pressure						69	Cable gland	M 20	
	17	Overpressure limit	40 barg					70	Digital transmitter	<input checked="" type="checkbox"/> HART-protocol	
	18	Allow. medium temp.	-40...+80°C					71			
	19	Material connection	316 SST					72	Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6 <input type="checkbox"/> FM Explosion Proof Approval	
	20	Material diaphragm	316 SST					73	Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French	
	21	Material O-ring						74	Quantity per type	4-fold	
	22	Material casing	Aluminium					75			
	23	Liquid filling	Inert					76	<input checked="" type="checkbox"/> Bracket f. panel mount. <input type="checkbox"/> Bracket + bow f. pipe mounting		
	24	Kind of sensor	Metal cell					77	<input checked="" type="checkbox"/> Stainless steel <input type="checkbox"/> Steel, galvanized		
	25	Enclosure Class	IP 65 / NEMA 4x					78	<input type="checkbox"/> Indicator		
	26							79	<input type="checkbox"/> digital <input type="checkbox"/> analog Scale:		
	27	<input type="checkbox"/>	DN	PN	Material			80	<input type="checkbox"/> Transient protection		
	28	Flanges			Gasket			81			
	29	Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					82			
	30	Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					83			
	31		<input type="checkbox"/> at pressure sensor					84	<input type="checkbox"/> Material certificate EN 10204 -3.1B		
	32	Capillary length						85	<input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service		
	33	DN	PN	Material			86	<input type="checkbox"/> Packed acc. Cert. 06271			
	34	Flanges			Gasket			87	<input type="checkbox"/> PTB calibration certificate		
	35	Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					88	<input type="checkbox"/> Conformity certificate		
	36	Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					89	<input checked="" type="checkbox"/> Marking with TAG-number		
	37							90			
	38	Capillary length						91			
	39	Liquid filling						92			
	40	PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes					93			
	41	Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"					93			
	42							94			
	43	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>									
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AIR LIQUIDE <small>TM</small>				Specification Pressure Transmitter				TAG - No.: PT64080			
Air Liquide AGS GmbH				Project: ASU No. 9 KOSICE				Project-No.: K70101			
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.				Designation: STEAM TO WATER BATH VAPORIZER GOX				Page: of:			
Designation: STEAM TO WATER BATH VAPORIZER GOX				Designation: STEAM TO WATER BATH VAPORIZER GOX				Combination with Tag-No.:			

Rev.								Rev.				
	1	Line - No.	150 S-84005-BA25C1W					54	Manufacturer	Endress + Hauser		
	2	Equipment-No.						55	Type	CERABAR-S PMP71		
	3	DN	150	PN	25	Material	1.0305		56	Order-No.		
	4	Flanges	DIN EN 1092-1		Gasket	Form B1			57	Order addition		
	5	Taps			Material				58			
	6	Medium	STEAM					59	Range	40 barg		
	7							60	Adjusted span	0...25 barg		
	8	State	<input type="checkbox"/> liquid <input type="checkbox"/> gaseous <input checked="" type="checkbox"/> vaporous					61	Output signal	4...20 mA		
	9	Operation case	case 1	case 2	case 3			62	Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire		
	10	Flow	Nm³/h	6600	5000				63	Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root	
	11	P ₁ (abs.)	bar	11	11				64	Accuracy of	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%	
	12	Temperature t ₁	°C	270	270				65	range (20°C)		
	13	Ambient temp.	°C	-25...+35°C					66	Allow. ambient temp.	-40...+80°C	
	14	Process connection	G 1/2" male					67	Aux. energy	11...36 V		
	15							68	El. connection			
	16	Design pressure						69	Cable gland	M 20		
	17	Overpressure limit	160 barg					70	Digital transmitter	<input checked="" type="checkbox"/> HART-protocol		
	18	Allow. medium temp.	-40...+80°C					71				
	19	Material connection	316 SST					72	Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6		
	20	Material diaphragm	316 SST					73		<input type="checkbox"/> FM Explosion Proof Approval		
	21	Material O-ring						74	Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French		
	22	Material casing	Aluminium					75	Quantity per type	4-fold		
	23	Liquid filling	Inert					76	<input checked="" type="checkbox"/> Bracket f. panel mount.	<input type="checkbox"/> Bracket + bow f. pipe mounting		
	24	Kind of sensor	Metal cell					77	<input checked="" type="checkbox"/> Stainless steel	<input type="checkbox"/> Steel, galvanized		
	25	Enclosure Class	IP 65 / NEMA 4x					78	<input type="checkbox"/> Indicator			
	26							79	<input type="checkbox"/> digital <input type="checkbox"/> analog	Scale:		
	27	<input type="checkbox"/> Plus-side	DN	PN	Material			80	<input type="checkbox"/> Transient protection			
	28		Flanges			Gasket		81				
	29	Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					82				
	30	Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					83				
	31		<input type="checkbox"/> at pressure sensor					84				
	32	Capillary length						85				
	33	<input type="checkbox"/> Minus-side	DN	PN	Material			86	<input type="checkbox"/> Material certificate EN 10204 -3.1B			
	34		Flanges			Gasket		87	<input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service			
	35	Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					88	<input type="checkbox"/> Packed acc. Cert. 06271			
	36	Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					89	<input type="checkbox"/> PTB calibration certificate			
	37							90	<input type="checkbox"/> Conformity certificate			
	38	Capillary length						91	<input checked="" type="checkbox"/> Marking with TAG-number			
	39	Liquid filling						92				
	40	PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes					93				
	41	Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"					93				
	42							94				
	43	Remarks										
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		Specification Pressure Transmitter				TAG - No.: PT64250	
						Project-No.: K70101	
Air Liquide AGS GmbH				Project: ASU No. 9 KOSICE		Page: of:	
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.				Designation: END PRESSURE LOX PUMP P64201		Combination with Tag-No.:	

Rev.								Rev.				
	1	Location	Line - No.	50 OL-64201-ZB40C1C					54	Manufacturer	Endress + Hauser	
	2		Equipment-No.						55	Type	CERABAR-S PMP71	
	3		DN	50	PN	40	Material	VA		56	Order-No.	
	4		Flanges	DIN EN 1092-1		Gasket	Form B1			57	Order addition	
	5		Taps			Material				58		
	6	Service conditions	Medium	LOX (oxygen)					59	Range	40 barg	
	7							60	Adjusted span	0...40 barg		
	8		State	<input checked="" type="checkbox"/> liquid <input type="checkbox"/> gaseous <input type="checkbox"/> vaporous					61	Output signal	4...20 mA	
	9		Operation case	case 1	case 2	case 3			62	Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire	
	10		Flow	Nm³/h	24000				63	Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root	
	11		P ₁ (abs.)	bar	29				64	Accuracy of	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%	
	12		Temperature t ₁	°C	-180,7				65	range (20°C)		
	13		Ambient temp.	°C	-25...+35°C				66	Allow. ambient temp.	-40...+80°C	
	14	Medium contacted parts	Process connection	G 1/2" male					67	Aux. energy	11...36 V	
	15							68	El. connection			
	16		Design pressure						69	Cable gland	M 20	
	17		Overpressure limit	160 barg					70	Digital transmitter	<input checked="" type="checkbox"/> HART-protocol	
	18		Allow. medium temp.	-40...+80°C					71			
	19		Material connection	316 SST					72	Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6 <input type="checkbox"/> FM Explosion Proof Approval	
	20		Material diaphragm	316 SST					73	Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French	
	21		Material O-ring						74	Quantity per type	4-fold	
	22		Material casing	Aluminium					75			
	23		Liquid filling	Inert					76			
	24	Accessories	Kind of sensor	Metal cell					77	<input checked="" type="checkbox"/> Bracket f. panel mount. <input type="checkbox"/> Bracket + bow f. pipe mounting <input checked="" type="checkbox"/> Stainless steel <input type="checkbox"/> Steel, galvanized		
	25		Enclosure Class	IP 65 / NEMA 4x					78	<input type="checkbox"/> Indicator <input type="checkbox"/> digital <input type="checkbox"/> analog Scale:		
	26							79	<input type="checkbox"/> Transient protection			
	27							80				
	28	Plus-side	DN		PN		Material			81		
	29		Flanges			Gasket				82		
	30		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					83			
	31		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom <input type="checkbox"/> at pressure sensor					84			
	32	Capillary length						85				
	33	Minus-side	DN		PN		Material			86	<input type="checkbox"/> Material certificate EN 10204 -3.1B <input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service	
	34		Flanges			Gasket				87	<input type="checkbox"/> Packed acc. Cert. 06271 <input type="checkbox"/> PTB calibration certificate	
	35		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					88	<input type="checkbox"/> Conformity certificate <input checked="" type="checkbox"/> Marking with TAG-number		
	36		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					89			
	37	Capillary length						90				
	38	Liquid filling						91				
	39	PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes					92				
	40	Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"					93				
	41						94					
	42											
	43	Remarks										
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				Specification Pressure Transmitter				TAG - No.: PT72005			
Air Liquide AGS GmbH				Project: ASU No. 9 KOSICE				Project-No.: K70101			
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.				Designation: LIN TANK B72001 BLOW OUT				Page: of:			
Combination with Tag-No.:											

Rev.							Rev.			
		Location	Line - No.						Manufacturer	Endress + Hauser
	1		Equipment-No.	B72001				54	Type	CERABAR-S PMP71
	2		DN	PN	Material			55	Order-No.	
	3		Flanges		Gasket			56	Order addition	
	4		Taps		Material			57		
	5							58		
	6	Service conditions	Medium	GAN (nitrogen)				59	Range	100 mbarg
	7							60	Adjusted span	-10...+25 mbarg
	8		State	<input type="checkbox"/> liquid <input checked="" type="checkbox"/> gaseous <input type="checkbox"/> vaporous				61	Output signal	4...20 mA
	9		Operation case	case 1	case 2	case 3		62	Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire
	10		Flow	Nm³/h				63	Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root
	11		P ₁ (abs.)	bar	1,1	1,1	1,1	64	Accuracy of	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%
	12		Temperature t ₁	°C	-195,3	-195,3	-195,3	65	range (20 °C)	
	13		Ambient temp.	°C	-25...+35 °C			66	Allow. ambient temp.	-40...+80 °C
	14	Medium contacted parts	Process connection	G 1/2" male				67	Aux. energy	11...36 V
	15							68	El. connection	
	16		Design pressure					69	Cable gland	M 20
	17		Overpressure limit	4 barg				70	Digital transmitter	<input checked="" type="checkbox"/> HART-protocol
	18		Allow. medium temp.	-40...+80 °C				71		
	19		Material connection	316 SST				72	Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6 <input type="checkbox"/> FM Explosion Proof Approval
	20		Material diaphragm	316 SST				73	Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French
	21		Material O-ring					74	Quantity per type	4-fold
	22		Material casing	Aluminium				75		
	23		Liquid filling	Inert				76	<input checked="" type="checkbox"/> Bracket f. panel mount.	<input type="checkbox"/> Bracket + bow f. pipe mounting
	24		Kind of sensor	Metal cell				77	<input checked="" type="checkbox"/> Stainless steel	<input type="checkbox"/> Steel, galvanized
	25		Enclosure Class	IP 65 / NEMA 4x				78	<input type="checkbox"/> Indicator	
	26							79	<input type="checkbox"/> digital <input type="checkbox"/> analog	Scale:
	27	<input type="checkbox"/>	Plus-side	DN	PN	Material		80	<input type="checkbox"/> Transient protection	
	28		Flanges			Gasket		81		
	29		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm				82		
	30		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom <input type="checkbox"/> at pressure sensor				83		
	31		Capillary length					84	<input type="checkbox"/> Material certificate EN 10204 -3.1B	
	32							85	<input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service	
	33	Pressure sensor	Minus-side	DN	PN	Material		86	<input type="checkbox"/> Packed acc. Cert. 06271	
	34		Flanges			Gasket		87	<input type="checkbox"/> PTB calibration certificate	
	35		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm				88	<input type="checkbox"/> Conformity certificate	
	36		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom				89	<input checked="" type="checkbox"/> Marking with TAG-number	
	37		Capillary length					90		
	38							91		
	39		Liquid filling					92		
	40		PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes				93		
	41		Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"				93		
	42							94		
	43	Remarks								
	44									
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				<h2 style="margin: 0;">Specification</h2> <h3 style="margin: 0;">Pressure Transmitter</h3>				TAG - No.: PT72012			
Air Liquide AGS GmbH				Project: ASU No. 9 KOSICE				Project-No.: K70101			
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.				Designation: END PRESSURE LIN PUMP P72001				Page: of:			
Designation: END PRESSURE LIN PUMP P72001				Designation: END PRESSURE LIN PUMP P72001				Combination with Tag-No.:			

Rev.										Rev.							
	1	Location	Line - No.	80 NL-72102-ZB10C1C							54	Manufacturer	Endress + Hauser				
	2		Equipment-No.								55	Type	CERABAR-S PMP71				
	3		DN	80	PN	10	Material	VA			56	Order-No.					
	4		Flanges	DIN EN 1092-1		Gasket	Form B1			57	Order addition						
	5		Taps			Material				58							
	6	Service conditions	Medium	LIN (nitrogen)							59	Range	10 barg				
	7										60	Adjusted span	0...10 barg				
	8		State	<input checked="" type="checkbox"/> liquid <input type="checkbox"/> gaseous <input type="checkbox"/> vaporous							61	Output signal	4...20 mA				
	9		Operation case	case 1	case 2	case 3			62	Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire						
	10		Flow	Nm³/h						63	Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root					
	11		P ₁ (abs.)	bar						64	Accuracy of	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%					
	12		Temperature t ₁	°C						65	range (20°C)						
	13		Ambient temp.	°C	-25...+35°C					66	Allow. ambient temp.	-40...+80°C					
	14	Medium contacted parts	Process connection	G 1/2" male							67	Aux. energy	11...36 V				
	15										68	El. connection					
	16		Design pressure								69	Cable gland	M 20				
	17		Overpressure limit	40 barg							70	Digital transmitter	<input checked="" type="checkbox"/> HART-protocol				
	18		Allow. medium temp.	-40...+80°C							71						
	19		Material connection	316 SST							72	Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6				
	20		Material diaphragm	316 SST							73		<input type="checkbox"/> FM Explosion Proof Approval				
	21		Material O-ring								74	Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French				
	22		Material casing	Aluminium							75	Quantity per type	4-fold				
	23			Liquid filling	Inert							76					
	24		Kind of sensor	Metal cell							77	Accessories	<input checked="" type="checkbox"/> Bracket f. panel mount. <input type="checkbox"/> Bracket + bow f. pipe mounting				
	25		Enclosure Class	IP 65 / NEMA 4x							78		<input checked="" type="checkbox"/> Stainless steel <input type="checkbox"/> Steel, galvanized				
	26										79		<input type="checkbox"/> Indicator				
	27	Pressure sensor	Plus-side	DN		PN		Material			80	<input type="checkbox"/> digital <input type="checkbox"/> analog Scale:					
	28			Flanges			Gasket				81	<input type="checkbox"/> Transient protection					
	29			Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					82							
	30			Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					83							
	31				<input type="checkbox"/> at pressure sensor					84							
	32			Capillary length								85	<input type="checkbox"/> Material certificate EN 10204 -3.1B				
	33		Minus-side	DN		PN		Material			86	<input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service					
	34			Flanges			Gasket				87	<input type="checkbox"/> Packed acc. Cert. 06271					
	35			Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					88	<input type="checkbox"/> PTB calibration certificate						
	36			Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					89	<input type="checkbox"/> Conformity certificate						
	37			<input type="checkbox"/> at pressure sensor					90	<input checked="" type="checkbox"/> Marking with TAG-number							
	38		Capillary length								91						
	39		Liquid filling								92						
	40		PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes					93								
	41		Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"					93								
	42										94						
	43	Remarks															
	44																
	45																
	46																
	47																
	48																
	49																
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	52																
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1	25.10.2004	Möller	Eichler	range					
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Rev.	Date	Name	Checked	Change	Rev.	Date	Name	Checked	Change

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AIR LIQUIDE <small>TM</small>		Specification Pressure Transmitter				TAG - No.: PT73050	
						Project-No.: K70101	
Air Liquide AGS GmbH				Project: ASU No. 9 KOSICE		Page: of:	
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.				Designation: GAN BEHIND WATER BATH VAPORIZER		Combination with Tag-No.:	

Rev.								Rev.					
	1	Location	Line - No.	300 N-73004-ZB25C1					54		Manufacturer	Endress + Hauser	
	2		Equipment-No.						55		Type	CERABAR-S PMP71	
	3		DN	300	PN	25	Material	VA		56		Order-No.	
	4		Flanges	DIN EN 1092-1		Gasket	Form B1			57		Order addition	
	5		Taps			Material				58			
	6	Service conditions	Medium	GAN (nitrogen)					59		Range	40 barg	
	7									60		Adjusted span	0...25 barg
	8		State	<input type="checkbox"/> liquid <input checked="" type="checkbox"/> gaseous <input type="checkbox"/> vaporous						61		Output signal	4...20 mA
	9		Operation case		case 1	case 2	case 3		62		Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire	
	10		Flow	Nm³/h	20000				63		Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root	
	11		P ₁ (abs.)	bar	7				64		Accuracy of	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%	
	12		Temperature t ₁	°C	15				65		range (20 °C)		
	13	Ambient temp.	°C	-25...+35 °C				66		Allow. ambient temp.	-40...+80 °C		
	14	Medium contacted parts	Process connection		G 1/2" male				67		Aux. energy	11...36 V	
	15								68		El. connection		
	16		Design pressure						69		Cable gland	M 20	
	17		Overpressure limit		160 barg				70		Digital transmitter	<input checked="" type="checkbox"/> HART-protocol	
	18		Allow. medium temp.		-40...+80 °C				71				
	19		Material connection		316 SST				72		Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6 <input type="checkbox"/> FM Explosion Proof Approval	
	20		Material diaphragm		316 SST				73		Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French	
	21		Material O-ring						74		Quantity per type	4-fold	
	22		Material casing		Aluminium				75				
	23		Liquid filling		Inert				76		<input checked="" type="checkbox"/> Bracket f. panel mount. <input type="checkbox"/> Bracket + bow f. pipe mounting <input checked="" type="checkbox"/> Stainless steel <input type="checkbox"/> Steel, galvanized		
	24	Accessories	Kind of sensor		Metal cell				77		<input type="checkbox"/> Indicator <input type="checkbox"/> digital <input type="checkbox"/> analog Scale:		
	25		Enclosure Class		IP 65 / NEMA 4x				78		<input type="checkbox"/> Transient protection		
	26								79				
	27								80				
	28	Plus-side	DN		PN		Material		81				
	29		Flanges			Gasket			82				
	30		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm				83					
	31		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom <input type="checkbox"/> at pressure sensor				84					
	32	Capillary length					85						
	33	Minus-side	DN		PN		Material		86		<input type="checkbox"/> Material certificate EN 10204 -3.1B <input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service		
	34		Flanges			Gasket			87		<input type="checkbox"/> Packed acc. Cert. 06271 <input type="checkbox"/> PTB calibration certificate		
	35		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm				88		<input type="checkbox"/> Conformity certificate <input checked="" type="checkbox"/> Marking with TAG-number			
	36		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom				89					
	37	Capillary length					90						
	38	Liquid filling					91						
	39	PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes				92						
	40	Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"				93						
	41						94						
	42												
	43	Remarks											
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Rev.	Date	Name	Checked	Change	Rev.	Date	Name	Change

AIR LIQUIDE <small>TM</small>				Specification Pressure Transmitter				TAG - No.: PT73080			
Air Liquide AGS GmbH				Project: ASU No. 9 KOSICE				Project-No.: K70101			
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.				Designation: STEAM TO WATER BATH VAPORIZER GAN				Page: of:			
Designation: STEAM TO WATER BATH VAPORIZER GAN				Designation: STEAM TO WATER BATH VAPORIZER GAN				Combination with Tag-No.:			

Rev.								Rev.			
	1	Line - No.	150 S-84006-BA25C1W					54	Manufacturer	Endress + Hauser	
	2	Equipment-No.						55	Type	CERABAR-S PMP71	
	3	DN	150	PN	25	Material	1.0305		56	Order-No.	
	4	Flanges	DIN EN 1092-1		Gasket	Form B1			57	Order addition	
	5	Taps			Material				58		
	6	Medium	STEAM					59	Range	40 barg	
	7							60	Adjusted span	0...25 barg	
	8	State	<input type="checkbox"/> liquid <input type="checkbox"/> gaseous <input checked="" type="checkbox"/> vaporous					61	Output signal	4...20 mA	
	9	Operation case	case 1	case 2	case 3			62	Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire	
	10	Flow	Nm³/h	5600	4000				63	Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root
	11	P ₁ (abs.)	bar	11	11				64	Accuracy of	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%
	12	Temperature t ₁	°C	270	270				65	range (20°C)	
	13	Ambient temp.	°C	-25...+35°C					66	Allow. ambient temp.	-40...+80°C
	14	Process connection	G 1/2" male					67	Aux. energy	11...36 V	
	15							68	El. connection		
	16	Design pressure						69	Cable gland	M 20	
	17	Overpressure limit	160 barg					70	Digital transmitter	<input checked="" type="checkbox"/> HART-protocol	
	18	Allow. medium temp.	-40...+80°C					71			
	19	Material connection	316 SST					72	Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6 <input type="checkbox"/> FM Explosion Proof Approval	
	20	Material diaphragm	316 SST					73			
	21	Material O-ring						74	Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French	
	22	Material casing	Aluminium					75	Quantity per type	4-fold	
	23	Liquid filling	Inert					76	<input checked="" type="checkbox"/> Bracket f. panel mount.	<input type="checkbox"/> Bracket + bow f. pipe mounting	
	24	Kind of sensor	Metal cell					77	<input checked="" type="checkbox"/> Stainless steel	<input type="checkbox"/> Steel, galvanized	
	25	Enclosure Class	IP 65 / NEMA 4x					78	<input type="checkbox"/> Indicator		
	26							79	<input type="checkbox"/> digital <input type="checkbox"/> analog	Scale:	
	27	<input type="checkbox"/>	DN	PN	Material			80	<input type="checkbox"/> Transient protection		
	28	Flanges			Gasket				81		
	29	Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					82			
	30	Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom <input type="checkbox"/> at pressure sensor					83			
	31							84			
	32	Capillary length						85			
	33	DN	PN	Material			86		<input type="checkbox"/> Material certificate EN 10204 -3.1B		
	34	Flanges			Gasket				87	<input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service	
	35	Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					88	<input type="checkbox"/> Packed acc. Cert. 06271		
	36	Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					89	<input type="checkbox"/> PTB calibration certificate		
	37							90	<input type="checkbox"/> Conformity certificate		
	38	Capillary length						91	<input checked="" type="checkbox"/> Marking with TAG-number		
	39	Liquid filling						92			
	40	PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes					93			
	41	Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"					93			
	42							94			
	43	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>									
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AIR LIQUIDE <small>TM</small>				Specification Pressure Transmitter				TAG - No.: PT73158			
Air Liquide AGS GmbH				Project: ASU No. 9 KOSICE				Project-No.: K70101			
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.				Designation: GAN BEHIND VAPORIZER W73101				Page: of:			
Combination with Tag-No.:											

Rev.								Rev.				
	1	Location	Line - No.	300 N-73105-ZB40C1					54	Manufacturer	Endress + Hauser	
	2		Equipment-No.						55	Type	CERABAR-S PMP71	
	3		DN	300	PN	40	Material	VA		56	Order-No.	
	4		Flanges	DIN EN 1092-1		Gasket	Form B1			57	Order addition	
	5		Taps			Material				58		
	6	Service conditions	Medium	GAN (nitrogen)					59	Range	40 barg	
	7								60	Adjusted span	0...25 barg	
	8		State	<input type="checkbox"/> liquid <input checked="" type="checkbox"/> gaseous <input type="checkbox"/> vaporous					61	Output signal	4...20 mA	
	9		Operation case	case 1	case 2	case 3			62	Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire	
	10		Flow	Nm³/h	16000				63	Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root	
	11		P ₁ (abs.)	bar	7				64	Accuracy of range (20°C)	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%	
	12		Temperature t ₁	°C	15				65	Allow. ambient temp.	-40...+80 °C	
	13		Ambient temp.	°C	-25...+35 °C			66	Aux. energy	11...36 V		
	14	Medium contacted parts	Process connection	G 1/2" male					67	El. connection		
	15								68	Cable gland	M 20	
	16		Design pressure						69	Digital transmitter	<input checked="" type="checkbox"/> HART-protocol	
	17		Overpressure limit	160 barg					70	Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6 <input type="checkbox"/> FM Explosion Proof Approval	
	18		Allow. medium temp.	-40...+80 °C					71	Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French	
	19		Material connection	316 SST					72	Quantity per type	4-fold	
	20		Material diaphragm	316 SST					73			
	21		Material O-ring						74			
	22		Material casing	Aluminium					75			
	23			Liquid filling	Inert					76	<input checked="" type="checkbox"/> Bracket f. panel mount. <input type="checkbox"/> Bracket + bow f. pipe mounting <input checked="" type="checkbox"/> Stainless steel <input type="checkbox"/> Steel, galvanized	
	24		Kind of sensor	Metal cell					77	Accessories	<input type="checkbox"/> Indicator <input type="checkbox"/> digital <input type="checkbox"/> analog Scale:	
	25		Enclosure Class	IP 65 / NEMA 4x					78		Certificates	<input type="checkbox"/> Transient protection
	26								79			
	27	Plus-side	DN		PN		Material					80
	28		Flanges			Gasket				81		<input type="checkbox"/> Packed acc. Cert. 06271 <input type="checkbox"/> PTB calibration certificate
	29		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					82	<input type="checkbox"/> Conformity certificate <input checked="" type="checkbox"/> Marking with TAG-number		
	30		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					83			
	31			<input type="checkbox"/> at pressure sensor					84			
	32		Capillary length						85			
	33	Minus-side	DN		PN		Material			86		
	34		Flanges			Gasket				87		
	35		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					88			
	36		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					89			
	37								90			
	38		Capillary length						91			
	39		Liquid filling						92			
	40		PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes					93			
	41		Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"					93			
	42								94			
	43	Remarks										
	44											
	45											
	46											
	47											
	48											
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Rev.	Date	Name	Checked	Change	Rev.	Date	Name	Checked
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AIR LIQUIDE <small>TM</small>				Specification Pressure Transmitter				TAG - No.: PT73250	
Air Liquide AGS GmbH				Project: ASU No. 9 KOSICE				Project-No.: K70101	
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.				Designation: END PRESSURE LIN PUMP P73201				Page: of:	
Combination with Tag-No.:									

Rev.												
1	Location	Line - No.	80 NL-73201-ZB25C1C				54	Manufacturer		Endress + Hauser		
2		Equipment-No.					55	Type		CERABAR-S PMP71		
3		DN	80	PN	25	Material	VA	56	Order-No.			
4		Flanges	DIN EN 1092-1		Gasket	Form B1		57	Order addition			
5		Taps			Material			58				
6	Service conditions	Medium	LIN (nitrogen)				59	Range		40 barg		
7								60	Adjusted span		0...25 barg	
8		State	<input checked="" type="checkbox"/> liquid <input type="checkbox"/> gaseous <input type="checkbox"/> vaporous				61	Output signal		4...20 mA		
9		Operation case	case 1	case 2	case 3			62	Wiring		<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire	
10		Flow	Nm³/h	20000	20000			63	Characteristic		<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root	
11		P ₁ (abs.)	bar	10	11,5			64	Accuracy of		<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%	
12		Temperature t ₁	°C	-193,5	-193,5			65	range (20 °C)			
13	Ambient temp.	°C	-25...+35 °C				66	Allow. ambient temp.		-40...+80 °C		
14	Medium contacted parts	Process connection	G 1/2" male				67	Aux. energy		11...36 V		
15								68	El. connection			
16		Design pressure					69	Cable gland		M 20		
17		Overpressure limit	160 barg				70	Digital transmitter		<input checked="" type="checkbox"/> HART-protocol		
18		Allow. medium temp.	-40...+80 °C				71					
19		Material connection	316 SST				72	Explosion Proof		<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6 <input type="checkbox"/> FM Explosion Proof Approval		
20		Material diaphragm	316 SST				73	Operating instruction		<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French		
21		Material O-ring					74	Quantity per type		4-fold		
22		Material casing	Aluminium				75					
23		Liquid filling	Inert				76	<input checked="" type="checkbox"/> Bracket f. panel mount. <input type="checkbox"/> Bracket + bow f. pipe mounting <input checked="" type="checkbox"/> Stainless steel <input type="checkbox"/> Steel, galvanized				
24	Kind of sensor	Metal cell				77	Accessories		<input type="checkbox"/> Indicator <input type="checkbox"/> digital <input type="checkbox"/> analog Scale:			
25	Enclosure Class	IP 65 / NEMA 4x				78						
26					79							
27	Plus-side	DN		PN		Material		80	Certificates		<input type="checkbox"/> Material certificate EN 10204 -3.1B <input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service	
28		Flanges			Gasket			81				
29		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm				82					
30		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom <input type="checkbox"/> at pressure sensor				83					
31		Capillary length					84					
32	Minus-side	DN		PN		Material		86			<input type="checkbox"/> Packed acc. Cert. 06271 <input type="checkbox"/> PTB calibration certificate <input type="checkbox"/> Conformity certificate <input checked="" type="checkbox"/> Marking with TAG-number	
33		Flanges			Gasket			87				
34		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm				88					
35		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom				89					
36		Capillary length					90					
37	Pressure sensor							91				
38		Liquid filling					92					
39		PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes				93					
40		Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"				93					
41							94					
42												
43	Remarks											
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AIR LIQUIDE <small>TM</small>				Specification Pressure Transmitter				TAG - No.: PT74090			
Air Liquide AGS GmbH				Project: ASU No. 9 KOSICE				Project-No.: K70101			
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.				Designation: OUTLET PRESSURE HP-GAN				Page: of:			
Combination with Tag-No.:											

Rev.								Rev.					
	1	Location	Line - No.		100 N-74090-AA40C1				54	Manufacturer		Endress + Hauser	
	2		Equipment-No.						55	Type		CERABAR-S PMP71	
	3		DN	100	PN	40	Material	1.0254		56	Order-No.		
	4		Flanges		DIN EN 1092-1		Gasket	Form B1		57	Order addition		
	5		Taps				Material			58			
	6	Service conditions	Medium		LIN (nitrogen)				59	Range		40 barg	
	7								60	Adjusted span		0...40 barg	
	8		State		<input checked="" type="checkbox"/> liquid <input type="checkbox"/> gaseous <input type="checkbox"/> vaporous				61	Output signal		4...20 mA	
	9		Operation case		case 1	case 2	case 3		62	Wiring		<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire	
	10		Flow	Nm³/h	3500				63	Characteristic		<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root	
	11		P ₁ (abs.)	bar	21				64	Accuracy of range (20 °C)		<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%	
	12		Temperature t ₁	°C	2				65	Allow. ambient temp.		-40...+80 °C	
	13		Ambient temp.	°C	-25...+35 °C				66	Aux. energy		11...36 V	
	14	Medium contacted parts	Process connection		G 1/2" male				67	El. connection			
	15								68	Cable gland		M 20	
	16		Design pressure						69	Digital transmitter		<input checked="" type="checkbox"/> HART-protocol	
	17		Overpressure limit		160 barg				70	Explosion Proof		<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6 <input type="checkbox"/> FM Explosion Proof Approval	
	18		Allow. medium temp.		-40...+80 °C				71	Operating instruction		<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French	
	19		Material connection		316 SST				72	Quantity per type		4-fold	
	20		Material diaphragm		316 SST				73				
	21		Material O-ring						74				
	22		Material casing		Aluminium				75				
	23			Liquid filling	Inert				76	<input checked="" type="checkbox"/> Bracket f. panel mount. <input type="checkbox"/> Bracket + bow f. pipe mounting			
	24		Kind of sensor	Metal cell				77	<input checked="" type="checkbox"/> Stainless steel <input type="checkbox"/> Steel, galvanized				
	25		Enclosure Class	IP 65 / NEMA 4x				78	<input type="checkbox"/> Indicator <input type="checkbox"/> digital <input type="checkbox"/> analog Scale:				
	26							79	<input type="checkbox"/> Transient protection				
	27	Pressure sensor	Plus-side	DN		PN		Material			80	Certificates	<input type="checkbox"/> Material certificate EN 10204 -3.1B
	28			Flanges				Gasket			81		<input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service
	29			Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm				82	<input type="checkbox"/> Packed acc. Cert. 06271			
	30			Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom				83	<input type="checkbox"/> PTB calibration certificate			
	31			<input type="checkbox"/> at pressure sensor				84	<input type="checkbox"/> Conformity certificate				
	32		Capillary length						85	<input checked="" type="checkbox"/> Marking with TAG-number			
	33		Minus-side	DN		PN		Material			86		
	34			Flanges				Gasket			87		
	35			Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm				88				
	36			Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom				89				
	37	Capillary length							90				
	38		Liquid filling						91				
	39		PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes				92					
	40		Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"				93					
	41							94					
	42												
	43	Remarks											
	44												
	45												
	46												
	47												
	48												
	49												
	50												
	51												
	52												
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Rev.	Date	Name	Checked	Change	Rev.	Date	Name	Change

AIR LIQUIDE <small>TM</small>		Specification Pressure Transmitter				TAG - No.: PT74150	
		Project: ASU No. 9 KOSICE				Project-No.: K70101	
Air Liquide AGS GmbH						Designation: END PRESSURE LIN PUMP P74101	
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.							

Rev.								Rev.				
	1	Location	Line - No.	50 NL-74101-ZB40C1C					54	Manufacturer	Endress + Hauser	
	2		Equipment-No.						55	Type	CERABAR-S PMP71	
	3		DN	50	PN	40	Material	VA		56	Order-No.	
	4		Flanges	DIN EN 1092-1		Gasket	Form B1			57	Order addition	
	5		Taps			Material				58		
	6	Service conditions	Medium	LIN (nitrogen)					59	Range	40 barg	
	7							60	Adjusted span	0...40 barg		
	8		State	<input checked="" type="checkbox"/> liquid <input type="checkbox"/> gaseous <input type="checkbox"/> vaporous					61	Output signal	4...20 mA	
	9		Operation case	case 1	case 2	case 3			62	Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire	
	10		Flow	Nm³/h	3500				63	Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root	
	11		P ₁ (abs.)	bar	22				64	Accuracy of	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%	
	12		Temperature t ₁	°C	-193,5				65	range (20 °C)		
	13	Ambient temp.	°C	-25...+35 °C					66	Allow. ambient temp.	-40...+80 °C	
	14	Medium contacted parts	Process connection	G 1/2" male					67	Aux. energy	11...36 V	
	15							68	El. connection			
	16		Design pressure						69	Cable gland	M 20	
	17		Overpressure limit	160 barg					70	Digital transmitter	<input checked="" type="checkbox"/> HART-protocol	
	18		Allow. medium temp.	-40...+80 °C					71			
	19		Material connection	316 SST					72	Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6 <input type="checkbox"/> FM Explosion Proof Approval	
	20		Material diaphragm	316 SST					73	Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French	
	21		Material O-ring						74	Quantity per type	4-fold	
	22		Material casing	Aluminium					75			
	23		Liquid filling	Inert					76	<input checked="" type="checkbox"/> Bracket f. panel mount. <input type="checkbox"/> Bracket + bow f. pipe mounting		
	24	Kind of sensor	Metal cell					77	<input checked="" type="checkbox"/> Stainless steel <input type="checkbox"/> Steel, galvanized			
	25	Enclosure Class	IP 65 / NEMA 4x					78	Accessories	<input type="checkbox"/> Indicator		
	26						79	<input type="checkbox"/> digital <input type="checkbox"/> analog Scale:				
	27						80	<input type="checkbox"/> Transient protection				
	28	Plus-side	DN		PN		Material			81		
	29		Flanges			Gasket				82		
	30		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					83			
	31		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom <input type="checkbox"/> at pressure sensor					84			
	32	Capillary length						85	Certificates	<input type="checkbox"/> Material certificate EN 10204 -3.1B		
	33	DN		PN		Material				86	<input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service	
	34	Flanges			Gasket					87	<input type="checkbox"/> Packed acc. Cert. 06271	
	35	Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					88		<input type="checkbox"/> PTB calibration certificate		
	36	Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					89		<input type="checkbox"/> Conformity certificate		
	37	Capillary length						90		<input checked="" type="checkbox"/> Marking with TAG-number		
	38						91					
	39	Liquid filling						92				
	40	PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes					93				
	41	Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"					93				
	42						94					
	43	Remarks										
	44											
	45											
	46											
	47											
	48											
	49											
	50											
	51											
	52											
	53											

0	20.09.2004	Möller	Eichler	Initial Version				
Rev.	Date	Name	Checked	Change	Rev.	Date	Name	Change

AIR LIQUIDE <small>TM</small>				Specification Pressure Transmitter				TAG - No.: PT81010	
Air Liquide AGS GmbH				Project: ASU No. 9 KOSICE				Project-No.: K70101	
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.				Designation: INSTRUMENT GAS				Page: of:	
Combination with Tag-No.:									

Rev.								Rev.				
	1	Location	Line - No.	80 N-81001-AA10C1					54	Manufacturer	Endress + Hauser	
	2		Equipment-No.						55	Type	CERABAR-S PMP71	
	3		DN	80	PN	10	Material	St37		56	Order-No.	
	4		Flanges	DIN EN 1092-1		Gasket	Form B1			57	Order addition	
	5		Taps			Material				58		
	6	Service conditions	Medium	GAN					59	Range	10 barg	
	7									60	Adjusted span	0...10 barg
	8		State	<input type="checkbox"/> liquid <input checked="" type="checkbox"/> gaseous <input type="checkbox"/> vaporous					61	Output signal	4...20 mA	
	9		Operation case		case 1	case 2	case 3		62	Wiring	<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire	
	10		Flow	Nm³/h					63	Characteristic	<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root	
	11		P ₁ (abs.)	bar	6				64	Accuracy of	<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%	
	12		Temperature t ₁	°C	23				65	range (20°C)		
	13	Ambient temp.	°C	-25...+35°C					66	Allow. ambient temp.	-40...+80°C	
	14	Medium contacted parts	Process connection	G 1/2" male					67	Aux. energy	11...36 V	
	15									68	El. connection	
	16		Design pressure						69	Cable gland	M 20	
	17		Overpressure limit	40 barg					70	Digital transmitter	<input checked="" type="checkbox"/> HART-protocol	
	18		Allow. medium temp.	-40...+80°C					71			
	19		Material connection	316 SST					72	Explosion Proof	<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6 <input type="checkbox"/> FM Explosion Proof Approval	
	20		Material diaphragm	316 SST					73	Operating instruction	<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French	
	21		Material O-ring						74	Quantity per type	4-fold	
	22		Material casing	Aluminium					75			
	23		Liquid filling	Inert					76	<input checked="" type="checkbox"/> Bracket f. panel mount. <input type="checkbox"/> Bracket + bow f. pipe mounting <input checked="" type="checkbox"/> Stainless steel <input type="checkbox"/> Steel, galvanized		
	24	Kind of sensor	Metal cell					77	Accessories	<input type="checkbox"/> Indicator <input type="checkbox"/> digital <input type="checkbox"/> analog Scale:		
	25	Enclosure Class	IP 65 / NEMA 4x					78		<input type="checkbox"/> Transient protection		
	26							79				
	27	Plus-side	DN		PN		Material			80	Certificates	<input type="checkbox"/> Material certificate EN 10204 -3.1B <input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service <input type="checkbox"/> Packed acc. Cert. 06271 <input type="checkbox"/> PTB calibration certificate <input type="checkbox"/> Conformity certificate <input checked="" type="checkbox"/> Marking with TAG-number
	28		Flanges			Gasket				81		
	29		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					82			
	30		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom <input type="checkbox"/> at pressure sensor					83			
	31		Capillary length						84			
	32	Minus-side	DN		PN		Material			86		
	33		Flanges			Gasket				87		
	34		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					88			
	35		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					89			
	36		Capillary length						90			
	37	Pressure sensor								91		
	38		Liquid filling						92			
	39		PVC-coating	<input type="checkbox"/> no <input type="checkbox"/> yes					93			
	40		Ex-protection	<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"					93			
	41									94		
	42											
	43	Remarks										
	44											
	45											
	46											
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	48											
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Rev.	Date	Name	Checked	Change	Rev.	Date	Name	Checked
								Change

AIR LIQUIDE <small>TM</small>		Specification Pressure Transmitter				TAG - No.: PT82010	
		Project: ASU No. 9 KOSICE				Project-No.: K70101	
Air Liquide AGS GmbH						Designation: INSTRUMENT GAS	
<input checked="" type="checkbox"/> Pressure <input type="checkbox"/> Difference press.							

Rev.														
	1	Location	Line - No.		50 A-15016-AA10C1					54	Manufacturer		Endress + Hauser	
	2		Equipment-No.							55	Type		CERABAR-S PMP71	
	3		DN	50	PN	10	Material	St37		56	Order-No.			
	4		Flanges		DIN EN 1092-1		Gasket	Form B1		57	Order addition			
	5		Taps				Material			58				
	6	Service conditions	Medium		AIR / GAN					59	Range		10 barg	
	7									60	Adjusted span		0...10 barg	
	8		State		<input type="checkbox"/> liquid <input checked="" type="checkbox"/> gaseous <input type="checkbox"/> vaporous					61	Output signal		4...20 mA	
	9		Operation case		case 1	case 2	case 3		62	Wiring		<input checked="" type="checkbox"/> 2-wire <input type="checkbox"/> 4-wire		
	10		Flow	Nm³/h					63	Characteristic		<input type="checkbox"/> linear <input type="checkbox"/> inverse <input type="checkbox"/> sq. root		
	11		P ₁ (abs.)	bar	5,38	5,62			64	Accuracy of		<input type="checkbox"/> ±0.1% <input checked="" type="checkbox"/> ±0.2% <input type="checkbox"/> ±0.075%		
	12		Temperature t ₁	°C	23	23			65	range (20 °C)				
	13	Ambient temp.	°C	-25...+35 °C					66	Allow. ambient temp.		-40...+80 °C		
	14	Medium contacted parts	Process connection		G 1/2" male					67	Aux. energy		11...36 V	
	15									68	El. connection			
	16		Design pressure							69	Cable gland		M 20	
	17		Overpressure limit		40 barg					70	Digital transmitter		<input checked="" type="checkbox"/> HART-protocol	
	18		Allow. medium temp.		-40...+80 °C					71				
	19		Material connection		316 SST					72	Explosion Proof		<input checked="" type="checkbox"/> without <input type="checkbox"/> EEx ib IIC T4/T6	
	20		Material diaphragm		316 SST					73			<input type="checkbox"/> FM Explosion Proof Approval	
	21		Material O-ring							74	Operating instruction		<input type="checkbox"/> German <input checked="" type="checkbox"/> English <input type="checkbox"/> French	
	22		Material casing		Aluminium					75	Quantity per type		4-fold	
	23		Liquid filling		Inert					76	<input checked="" type="checkbox"/> Bracket f. panel mount. <input type="checkbox"/> Bracket + bow f. pipe mounting			
	24	Kind of sensor		Metal cell					77	<input checked="" type="checkbox"/> Stainless steel <input type="checkbox"/> Steel, galvanized				
	25	Enclosure Class		IP 65 / NEMA 4x					78	Accessories		<input type="checkbox"/> Indicator		
	26								79			<input type="checkbox"/> digital <input type="checkbox"/> analog Scale:		
	27								80			<input type="checkbox"/> Transient protection		
	28	Plus-side	DN		PN		Material			81	Certificates			
	29		Flanges				Gasket			82			<input type="checkbox"/> Material certificate EN 10204 -3.1B	
	30		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					83	<input checked="" type="checkbox"/> Cleaned, oil and grease free for oxygen service				
	31		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					84	<input type="checkbox"/> Packed acc. Cert. 06271				
	32		Capillary length						85	<input type="checkbox"/> PTB calibration certificate				
	33	Minus-side	DN		PN		Material			86	<input type="checkbox"/> Conformity certificate			
	34		Flanges				Gasket			87	<input checked="" type="checkbox"/> Marking with TAG-number			
	35		Type	<input type="checkbox"/> Flat diaphr. <input type="checkbox"/> Tubus, mm					88					
	36		Mounting	<input type="checkbox"/> top <input type="checkbox"/> bottom					89					
	37		Capillary length						90					
	38	Liquid filling							91					
	39	PVC-coating		<input type="checkbox"/> no <input type="checkbox"/> yes					92					
	40	Ex-protection		<input type="checkbox"/> no <input type="checkbox"/> "Zone 0"					93					
	41								94					
	42													
	43	Remarks												
	44													
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	48													
	49													
	50													
	51													
	52													
	53													

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Rev.	Date	Name	Checked	Change	Rev.	Date	Name	Checked	Change

