

**SPECIFICATIE TEHNICA/DATA SHEET  
TRADUCTOR DE PRESIUNE  
PRESSURE TRANSMITTER**

02						
01	Emis pentru construire	12.04.2022	Trifan O.	Danilov B.	Dobleaga S.	
00	Emis pentru comentarii	26.02.2021	Trifan O.	Corbu O	Danilov B	
Rev. / Rev.	Denumirea modificarii / Change description	Data / Date	Pr. Spec. / Consultant	Verificat / Checked	Aprobat / Approved	
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		10202020		RNG-ST-16-001		01
Scara / Scale		Denumire document / Document name				
-		SpecificatieTehnica – Traductor de presiune				
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GENERAL/GENERALITIES												
1.	Simbol instrument/ Tag number				PT-001							
2.	Numar P&ID /P&ID number				RNG-SP-13-001							
3.	Tag echipament/ Equipment number				Colector refulare pompe,DN 150							
4.	Destinatie/Service				Masura continua presiune							
5.	Clasificare zona pericol/Hazardous area clasification				ZONE2 (IIA T3)							
PARAMETRI PROCES/PROCESS CONDITION												
6.	Fluid/Fluid				Titei							
7.	Compusi corozivi/ Corrosive compounds				Sulf total 0.08±0.02%gr							
8.	Operating pressure barg	Min.	Normal	Max	5	8	20					
9.	Operating temp °C	Min.	Normal	Max	40	40	45					
10.	Temperatura ambientala /Ambient temp °C				-29 °C ÷ +45 °C							
11.	Densitate				828 ±25 kg/m³(20°C)							
MANIFOLD												
12.	Tip/ Type				double block & bleed(DBB)							
13.	Material /Body material				316 SST							
14.	Racord proces/ Process connection and size				Flansa DN15 PN63							
15.	Racord dren si dimensiune/ Vent connection and size				1/2" NPT-F							
16.	Montaj manifold/ Manifold mounting				Direct pe traductor							
DIAFRAGMA DE ETANSARE/ DIAPHRAGM SEAL												
17.	Diafragma de etansare/Diaphragm seal				Nu							
18.	Material disc/parti in contact cu fluidul/ Disc/wet parts material											
19.	Racord diafragma etansare/Diaphragm seal conn.											
20.	Fluid de umplere/Fill fluid											
21.	Element drenare/Process purge element											
22.	Montaj diafragma/ Diaphragm mounting											
ELEMENT/ELEMENT												
23.	Tip element/ Element type				Diafragma							
24.	Destinatie/ Service				Masura presiune							
25.	Material parti in contact cu fluidul/ Wet parts material				316 SST							
26.	Protectie suprapresiune/Over range protection				1.5 Full Scale							
TRADUCTOR/TRANSMITTER												
27.	Semnal iesire/Output signal				4-20 mA							
28.	Protocol Smart/Smart protocol				HART protocol							
29.	Afisaj integrat/ Integral indicator				LCD							
30.	Alimentare/ Power supply				24 V d.c. - Loop powered							
31.	Material carcasa/Enclosure material				Aluminiu cu acoperire epoxidica							
32.	Presetupa/Enclosure cable entry		Note 8		Presetupa Ex M20x1.5							
33.	Protectie IP/Ingress protection				IP 67							
34.	Categorie ATEX/EPL/ ATEX category /EPL				II 2G							
35.	Tip protectie/ Type of protection				Ex d IIA T3							
36.	Pozitie montaj/Mounting location				Direct pe manifold							
37.	Mod failsafe/ Failsafe style				Failsafe selectable							
38.	Actiune defect/diagnostic/ Failure/diagnostic action				Drive output low							
39.	Precizie/Accuracy				0,5%							
40.	Rangeability				VTA							
41.	Repetabilitate/Repetability				VTA							
42.	Domeniu ajustabil/ adjustable range				VTA							
43.	Domeniu de masura calibrat, bar				0...64							
44.	Racord proces si dimensiune/Process conn. and size				1/2" NPT-M							
ALTELE/OTHERS												
45.	Montaj				N/A							
46.	Bride montaj/ Mounting brackets				N/A							
47.	Protectie intemperii/Winterization				Note 5							
48.	Parasolar/Sunshade				Note 5							
49.												
50.												

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**Note:**

1. Lista compusi corozivi:

2. Furnizorul va asigura: Manual de instalare, operare si mentenanta in romana si engleza, Specificatie tehnica, Certificat ATEX , placuta inox cu simbolul instrumentului si care va cuprinde minim: Tag. Nr./Dimensiune/PN/Material/Producator/Model nr./Certificat ATEX nr, etc.

3. Furnizorul va recomanda piesele de schimb necesare pentru functionarea optima a echipamentelor si va oferi informatii privind service-ul autorizat.

4. Aceasta specificatie tehnica are rol informativ, nu este intocmita pentru procurare si se va verifica la faza de detaliu de executie.

5. Producatorul va confirma ca instrumentele sunt evaluate pentru a rezista conditiilor ambientale de mediu si luminii directe a soarelui. Parasolarul va fi prevazut la recomandarea producatorului.

6. Instrumentele vor fi marcate CE

7. Documente de insotire a instrumentelor:

- Declaration of Conformity in accordance with European Directive ATEX 2014/34/EU (Equipment and Protective Systems for use in Potentially Explosive Atmospheres);

- Declaration of Conformity in accordance with European Directive (EMC) 2014/30/EU (Electromagnetic Compatibility of Equipment);

- Traceability Certificate for Materials as per EN 10204 -3.1;

- Declaration of Conformity in accordance with Pressure European Directive (PED) 2014/68/EU

- Calibration Certificate;

- Functional Tests Certificates

- Hydrostatic Test Certificate;

- Weld Examination Inspection Certificate (if applicable) .

8. Instrumentul va fi echipat cu o presetupa de cablu adecvată pentru tipul de protecție selectat.

VTA- Data ce va fi furnizata/confirmata de vanzator.

**Notes:**

1. List of corrosive compounds:

2. Manufacturer shall provide: Installation, operating and maintenance manual in Romanian and English, catalogues and technical data sheet, ATEX Certificate, SS tag plate engraved with the following information as minimum: Tag no./ Size/ Rating/ Material/ Manufacturer/ Model no./ ATEX, etc.

3. The supplier will recommend the spare parts required for the optimum equipment operation and will provide information about the authorized service.

4. This data sheet shall be used for inquiry only, not for purchasing and shall be verified during detail phase.

5. Manufacturer shall confirm that the instruments are rated to withstand the environmental conditions and direct sunlight; sunshade shall be provided if manufacturer recommend it.

6. Instruments shall be CE marking

7. Examinations, Inspections and Testing Certificates shall be performed in accordance with:

- Declaration of Conformity in accordance with European Directive ATEX 2014/34/EU (Equipment and Protective Systems for use in Potentially Explosive Atmospheres);

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- Hydrostatic Test Certificate;

- Weld Examination Inspection Certificate (if applicable) .

8. Instrument shall be provided with cable gland suitable for mentioned type of protection and necessary plugs.

VTA-Data to be provided/confirmed by Vendor.

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