

## FISA TEHNICA IMBINARI ELECTROIZOLANTE

Item / Lp.	Description / <i>Nazwa towaru</i>	Quantity <i>Ilość sztuk</i>
1	Insulating joint 4" (DN100), ANSI 150, L360NE ISO 3183 or equivalent, 108 x 6mm, DT: -20 / 80°C.	1
2	Insulating joint 4" (DN100), ANSI 600, L360NE ISO 3183 or equivalent, 108 x 6mm, DT: -20 / 80°C.	1
3	Insulating joint 6" (DN150), ANSI 600, L360NE ISO 3183 or equivalent, 159 x 7mm, DT: -20 / 80°C.	1
4	Insulating joint 8" (DN200), ANSI 150, API 5L GRADE B PSL1 or equivalent, 219,1 x 8mm, DT: -20 / 80°C.	1
5	Insulating joint 8" (DN200), ANSI 600, API 5L GRADE B PSL1 or equivalent, 219,1 x 8mm, DT: -20 / 80°C.	1
6	Insulating joint 12" (DN300), ANSI 150, API 5L GRADE B PSL1 or equivalent, 323,9 x 10mm, DT: -20 / 80°C.	2
7		

### CHARACTERISTIC / CHARAKTERYSTYKA

Item / Lp.	Nominal pipe size NPS (inch) / DN (mm) <i>Srednica nominalna</i>	Design pressure, barg <i>Cisnienie projektowe</i>	ANSI rating class / PN <i>Klasa cisnienia wg ANSI</i>	Min./Max. design temperature DT (°C) <i>Temperatura projektowa</i>	Fluid <i>Medium</i>	Design calculations <i>Obliczenia projektowe</i>	Design factor <i>Wspolczynnik projektowy</i>	Dielectric strength kV / 1 min. <i>Wytrzymałość dielektryczna</i>	Electrical resistance, MOhm <i>Rezystancji</i>	Beveled ends <i>Końcówki do wstawiania</i>	External coating DFTo, <i>Powłoka zewnętrzna</i>	Internal coating DFTi, <i>Powłoka wewnętrzna</i>	Notes <i>Uwagi</i>
1	4 / 100	19,7	150	-20 / 80	Sweet Natural Gas (non sour)	Calculatio n based on ASME VIII Div. 1, ASME B31.8, WUDT  See Note 1 below	0,6	5 (dry air)	5 (dry air)	API 5L	PUR 3mm acc. to EN 10290 + UV protecti on	Epoxy 0,1mm;	Corrosi on allowan ce 0mm,  Above Ground
2	4 / 100	102	600										
3	6 / 150	102	600										
4	8 / 200	19,7	150										
5	8 / 200	102	600										
6	12 / 300	19,7	150										
7													

**Note 1:**

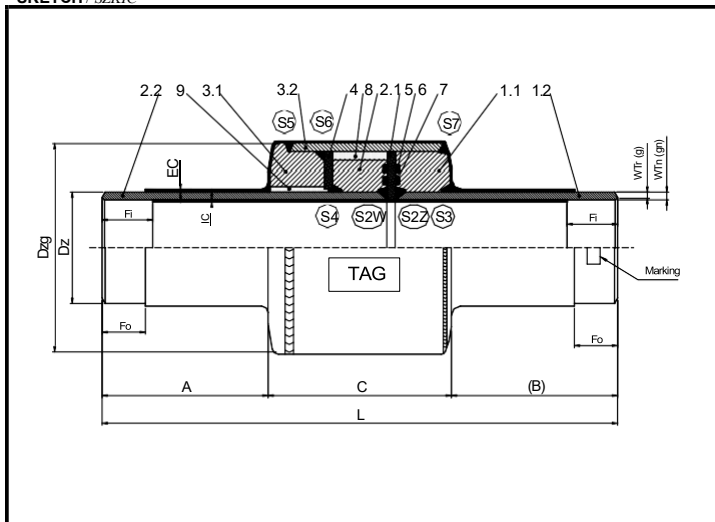
Minimum Wall Thickness for pipes calculated acc. to ASME B31.8. Allowable Stress Level for metal parts calculated acc. to Formula:  $S=Re \times DF$ . (DF – Design Factor, Re – minimum Yield Strength)

REVISION OF

**DIMENSIONS / WYMIARY** (to be confirmed in case of PO)

Item / L.p.	Dz mm	Wtn mm	WTr (****) mm	L mm	Dzg mm	A mm	C mm	A1 mm	X mm	YA / YB mm	Fo / Fi mm	Weight kg	Notes Uwagi
1	108	6,3	6	500	177,8	206	88	-	-	-	50	19	
2	108	6,3	6	500	177,8	206	88	-	-	-	50	19	
3	159	8	7	600	273	235	130	-	-	-	50	60	
4	219,1	8,18	8	600	323,9	250	100	-	-	-	60	61	
5	219,1	8,18	8	600	323,9	231	138	-	-	-	60	75	
6	323,9	10,31	10	800	457	329	142	-	-	-	60	155	
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**SKETCH / SZKIC**



**INSPECTIONS & TESTING / BADANIA I TESTY**

**STANDARD (Included):**

- visual and dimensional check (\*)
- hydrostatic test: 1,5 x DP hold for 30 minutes and repeated after 20 minutes.
- pneumatic test: 6 bar hold for 10 min.
- dielectric strength test: 5000 V AC x 1 min. (50 Hz) (\*) (dry)
- electrical resistance test:  $\geq 5 \text{ M}\Omega$  @ 1000 V DC (\*) (dry)
- holiday detection of external coating:  $\geq 25 \text{ kV DC}$ ;
- NDT method VT PN-EN ISO 17637 (welds only).
- NDT method UT PN-EN ISO 17640 and internal procedure (welds only) (EXCEPT 4")
- NDT method MP EN ISO 17638 (welds only)

**Certification: EN-10204 Type 3.1.**

(\*) the test is performed prior to and after hydrostatic test  
*testy przeprowadzone przed i po próbie hydrostatycznej*

**EXTRAS ( Not included) (\*\*):**

(\*\*) EXTRAS available at an additional cost - *za dodatkową opłatą*

**MATERIALS / MATERIAŁY**

Item / L.p.	Pipes Rury 1.2 ; 2.2	Steel rings Pierścienie 1.1 ; 2.1 ; 3.1 (3)	Head's pipe Rura głowicy 3.2	Resist. insul. ring Pierśc. oporowy 4	Seal insul. ring Pierśc. uszczeln. 5	O-ring 6	O-ring 7	Filling Wypełnienie 8	Notes Uwagi 9
1	L360NE ISO 3183 or equivalent	S355J2+N EN-10025-2	----	Glass-epoxid G10 / G11 acc. to NEMA	Glass-epoxid G10 / G11 acc. to NEMA	FKM / FPM or NBR	FKM / FPM or NBR	Poliurethane Resin	
2	L360NE ISO 3183 or equivalent	S355J2+N EN-10025-2	----	Glass-epoxid G10 / G11 acc. to NEMA	Glass-epoxid G10 / G11 acc. to NEMA	FKM / FPM or NBR	FKM / FPM or NBR	Poliurethane Resin	
3	L360NE ISO 3183 or equivalent	S355J2+N EN-10025-2	----	Glass-epoxid G10 / G11 acc. to NEMA	Glass-epoxid G10 / G11 acc. to NEMA	FKM / FPM or NBR	FKM / FPM or NBR	Poliurethane Resin	
4	API 5L GRADE B PSL1 or equivalent	S355J2+N EN-10025-2	S355J2H EN-10210	Glass-epoxid G10 / G11 acc. to NEMA	Glass-epoxid G10 / G11 acc. to NEMA	FKM / FPM or NBR	FKM / FPM or NBR	Poliurethane Resin	
5	API 5L GRADE B PSL1 or equivalent	S355J2+N EN-10025-2	S355J2H EN-10210	Glass-epoxid G10 / G11 acc. to NEMA	Glass-epoxid G10 / G11 acc. to NEMA	FKM / FPM or NBR	FKM / FPM or NBR	Poliurethane Resin	
6	API 5L GRADE B PSL1 or equivalent	S355J2+N EN-10025-2	S355J2H EN-10210	Glass-epoxid G10 / G11 acc. to NEMA	Glass-epoxid G10 / G11 acc. to NEMA	FKM / FPM or NBR	FKM / FPM or NBR	Poliurethane Resin	
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(\*\*\*)This quotation is valid only for the lot of all items quoted and cannot be partitioned. Particular items are subject to re-quote.

Marking – Manufacturer Standard.

Radiatym will supply all Reports and Documentation from Tests & Inspection included within the offer.

NDT, tests & inspections as per offer.

All technical parameters and conditions as per offer.

(\*\*\*\*) Wtn bevelled down to WTr on customers request.

SPARK GAP NOT INCLUDED. ATEX NOT INCLUDED.