



COFRAROM

Fise Tehnice

Technical Data

Caracteristici tehnice

Tabel pentru conversie ale unitatilor de presiune

Conversion table for pressure units

Table pour conversion des unites de pression

	mbar	bar	p.s.i.	kPa	MPa	Kg/cm ²	mm H ₂ O
1 mbar	1	0,001	0,0145037	0,1	0,0001	0,00102	10,1972
1 bar	1000	1	14,503771	100	0,1	1,02	10197,2
1 p.s.i.	68,94757	0,0689476	1	6,895	0,00689476	0,0070307	703,0697
1 kPa	10	0,01	0,1450377	1	0,001	0,01	102
1 MPa	100000	10	145,03771	1000	1	10,2	1020000
1 Kg/cm ²	980,665	0,980665	14,223341	98,0665	0,0980665	1	10000
1 mm H ₂ O	0,00981	0,0000981	0,0001422	0,000981	0,000000981	0,0001	1

Tabel pentru conversie ale unitatilor de lungime

Conversion table for length units



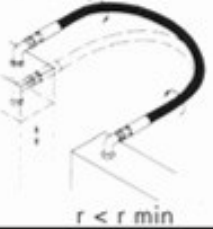




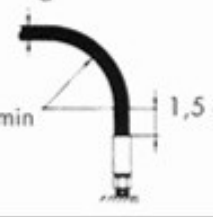


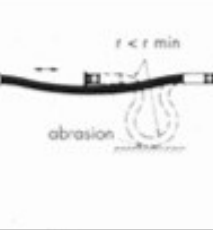
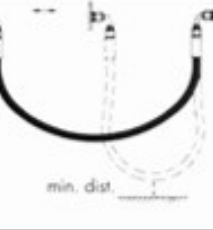


Table pour conversion des unites de longueurs

metro m	milimetro mm	pulgada in ("")	pie ft
1	1000	39,3700787	3,2808399
0,001	1	0,0393701	0,0032808
0,0254	25,4	1	0,08333
0,3048	304,8	12	1
0,9144	914,4	36	3

Instructiuni de montaj

Hose installation guide

Guide d'instalation pour tuyaux

NO	YES
	
	
	
	
	
	
	

Stiati ca :

- *Torsionarea cu 7° diminueaza cu 80 % durata de viata?*
- *Cele mai multe eșecuri au fost cauzate de montarea incorectă a ansamblului furtun-utilaj?*
- *In cele mai multe cazuri, ansamblurile au fost supuse la torsiuni inadmisibile:*
 - indoire,*
 - raze de curbura mai mici decât cele prevazute in specificatie,*
 - abraziune.*

Toate acestea conduc la coroziunea prematura a straturilor de armare.

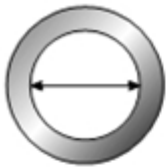
Montaj incorect

Incorect mounting

Assamblage pas correct



Simboluri
Symbols
Symboles



— | Diametrul interior
Internal diameter
Diamètre intérieur



— | Diametrul exterior
External diameter
Diamètre extérieur



— | Presiunea de lucru
Working pressure
Pression de travail



— | Presiunea de spargere
Breaking pressure
Pression de rupture



— | Vid
Empty
Vide



— | Raza de curbura
Bending radius
Rayon de courbature



— | Greutate
Weight
Poids



Furtun din PTFE

si Inox Gofrat

PTFE and Convoluted
Stainless Steel Hoses

Tuyaux PTFE et Inox
Convoluté

FHL (Serie usoara)
FHL (Light serie)
FHL (Série légère)



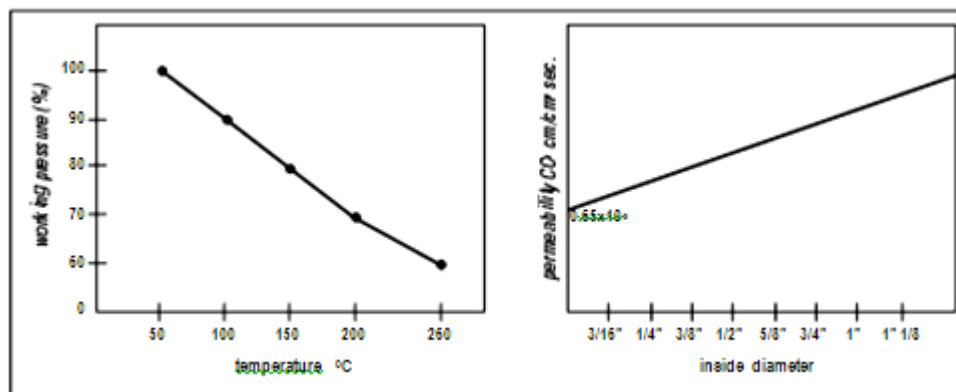
Compozitie Tub interior: tub din PTFE lis. Grosime subtire. Rezistent la foc, chimic inert. Potrivit pentru uz alimentar in acord cu toate normele FDA. Impletitura : o impletitura din inox AISI 304.
Temperatura de lucru De -70° C a +260° C.

Composition Inner tube: smooth tube in PTFE. Fine thickness. Resistant to fire, chemically inert. Suitable for food use according to FDA norm.
Working temperature Reinforcement: stainless steel AISI 304 braid. From -70° C to +260° C.

Composition Tube intérieur: tube lisse en PTFE. Faible épaisseur. Résistant au feu, chimiquement inerte. Permet un usage alimentaire suite norme FDA.
Température de travail Renfort: une tresse en acier inox AISI 304. De -70° C à +260° C.

Referinta Part. Number Référence	DN		THICKNESS PTFE mm	mm	bar a 20°C		psi a 20°C		bar a 20°C		psi a 20°C		mm	kg/m
	mm	inch	mm	mm	bar	psi	bar	psi	bar	psi	mm	kg/m		
M290005	3/16	4,8	0,7	7,4	200	2900	800	11600	35	0,069				
M290006	1/4	6,35	0,7	9	175	2537	700	10150	45	0,087				
M290008	5/16	7,9	0,7	10,8	150	2175	600	8700	50	0,127				
M290009	3/8	9,5	0,7	12,4	135	1957	540	7830	55	0,145				
M290013	1/2	12,7	0,7	15,7	120	1740	480	6960	70	0,212				
M290016	5/8	15,9	0,7	19,1	100	1450	400	5800	130	0,260				
M290020	3/4	19	0,8	22,2	90	1305	360	5220	190	0,321				
M290025	1	25,4	0,8	29,3	65	942	260	3770	270	0,450				
-	1 1/8	28,6	1	32,5	55	797	220	3190	300	0,525				

Tolerances according to SAE 100 R14 and BS 6564 norms



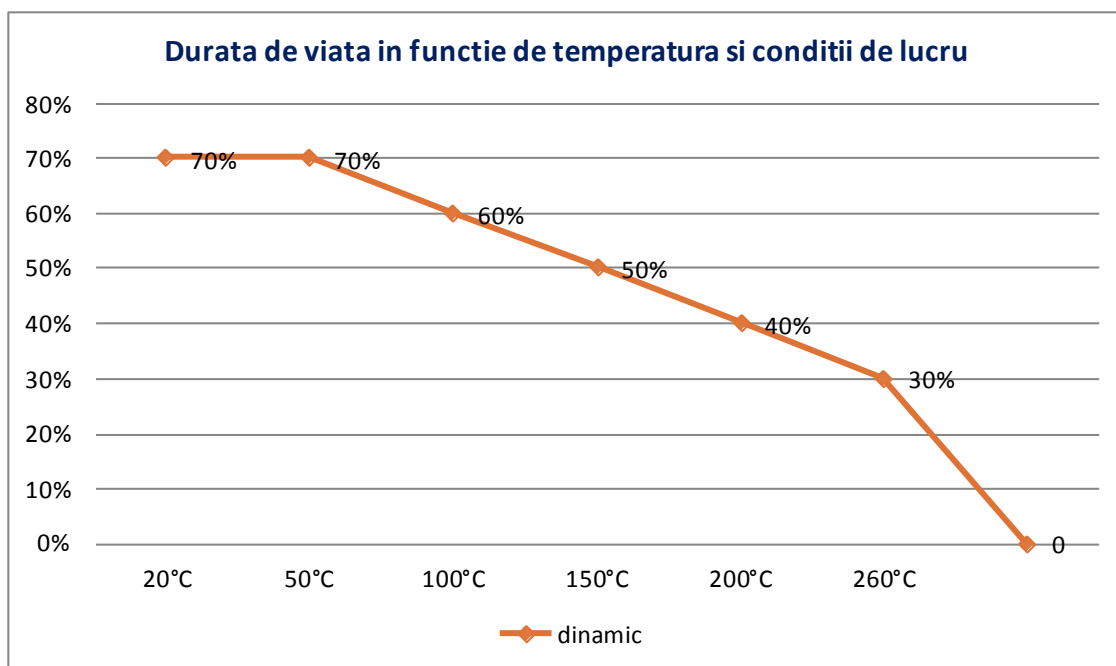
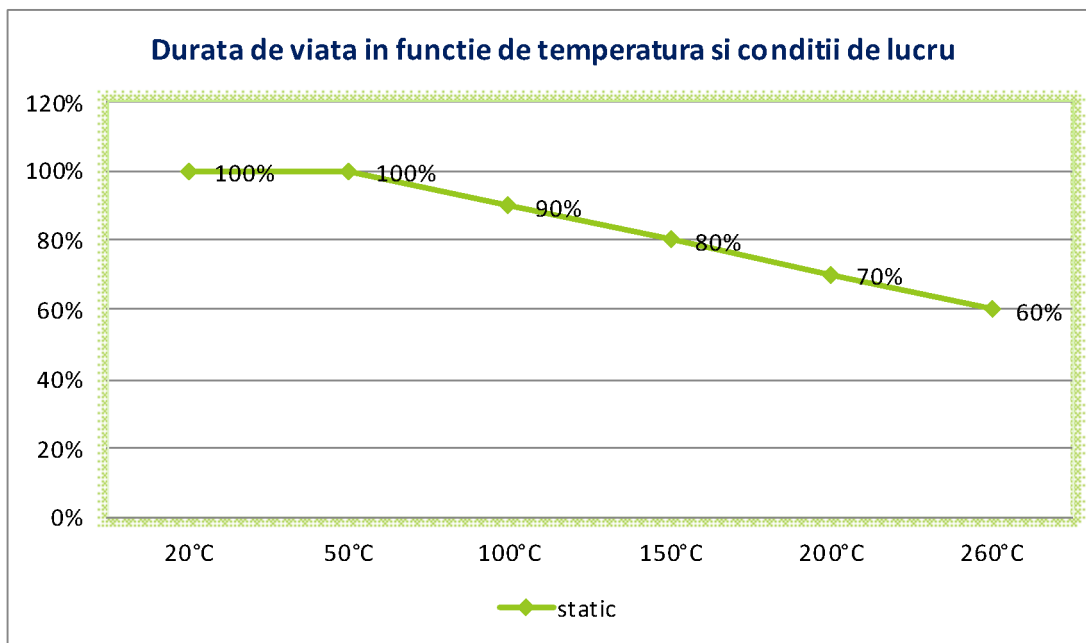
Termen de garantie : conform certificate de conformitate,calitate si garantie (12 luni)
in conditii normale de exploatare





FHL (Serie usoara)
 FHL (Light serie)
 FHL (Série légère)

Temperatura	20°C	20°C	50°C	50°C	100°C	100°C	150°C	150°C	200°C	200°C	260°C	260°C
Aplicatie	static	dinamic	static	dinamic	static	dinamic	static	dinamic	static	dinamic	static	dinamic
Presiune (%)	100%	100%	100%	100%	90%	90%	80%	80%	70%	70%	60%	60%
Termen de garantie	100%	70%	100%	70%	90%	60%	80%	50%	70%	40%	60%	30%





PTFE gofrat
Convoluted PTFE
PTFE convoluté



Compozitie

Temperatura de lucru

Tub interior: tub din PTFE lis. Grosime subtire. Rezistent la foc, chimic inert. Potrivit pentru uz alimentar in acord cu toate normele FDA.
 Impletitura : o impletitura din inox AISI 304.
 De -70° C a +260° C.



Composition

Working temperature

Inner tube: convoluted tube in PTFE, resistant to fire, chemically inert. Suitable for food use, according to FDA norm.
 Reinforcement: stainless steel AISI 304 braid.
 From -70° C to +260° C.



Composition

Température de travail

Tube intérieure: tube convoluté en PTFE. Résistant au feu, chimiquement inerte. Permet un usage alimentaire suite norme FDA.
 Renfort: tresse en acier inox AISI 304.
 De -70° C à +260° C.

Referencia Part. Number Référence	Ø		ESPESOR		P		P		r
	DN	mm	PTFE mm	max mm	bar. a 20°C	psi a 20°C	bar. a 20°C	psi a 20°C	
M292006	1/4	6,35	0,75	12,7	172	2494	517	7496	20
M292008	5/16	8	0,75	14,7	120	1740	480	6960	25
M292009	3/8	9,5	0,75	16,2	120	1740	480	6960	30
M292013	1/2	13	0,75	19,7	110	1595	440	6380	40
M292016	5/8	16	0,9	22,9	80	1160	320	4640	50
M292020	3/4	19	0,9	27,5	70	1015	280	4060	80
M292025	1	25,4	1	34,3	50	725	200	2900	100
M292032	1 1/4	32	1,1	42	45	667	180	2610	120
M292038	1 1/2	38	1,15	49,2	40	580	160	2320	140
M292050	2	51	1,2	63,6	36	522	144	2088	175
M292075	3	76	1,25	98,8	20	290	80	1160	225
M292100	4	102	1,3	131,2	15	217	60	870	300

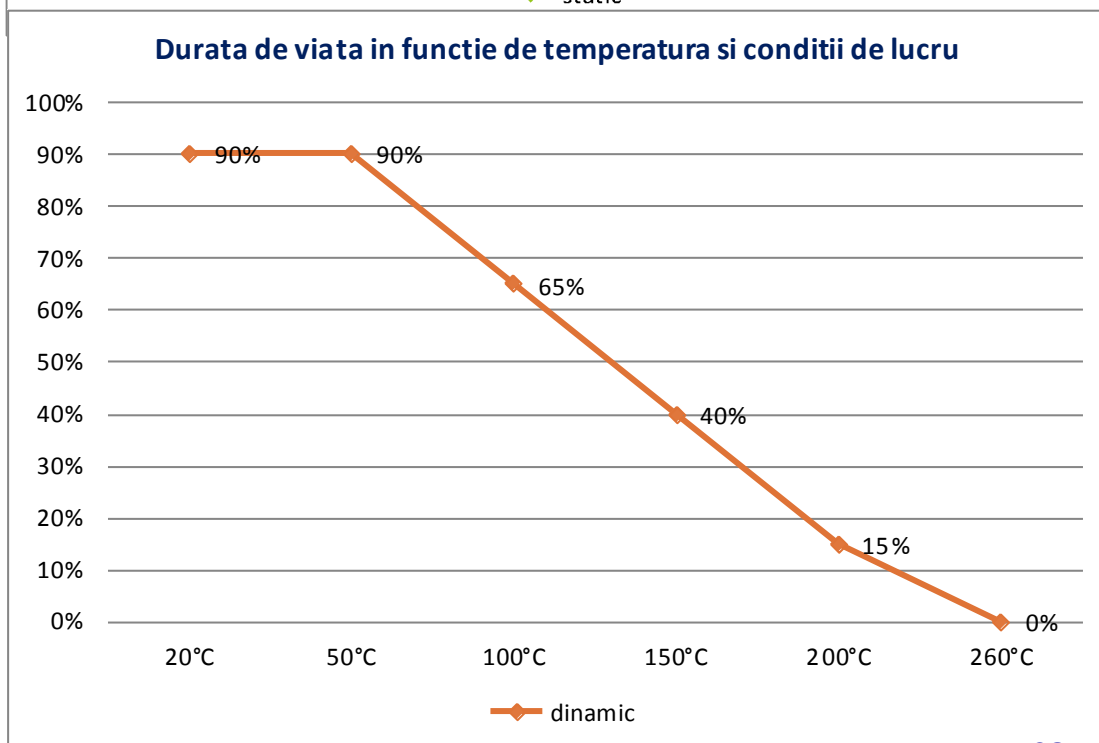
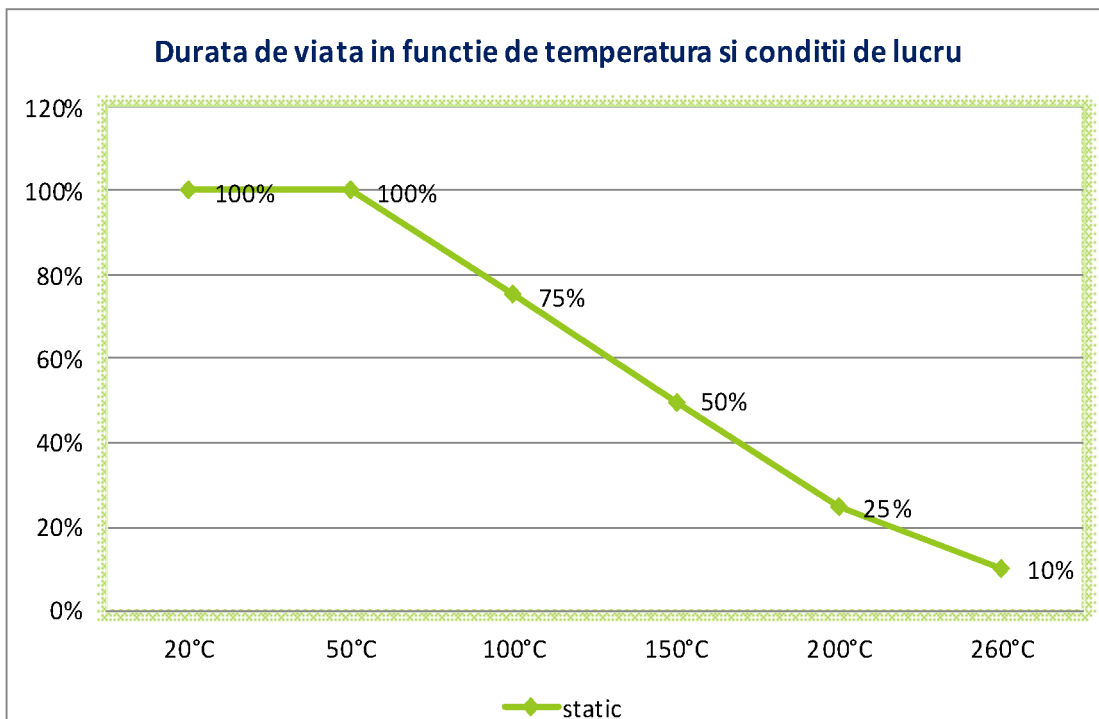
$$P_w = K \times P_{t=20^\circ}$$

t	-60	+20	+100	+150	+200	+250
k	0,95	1,00	0,75	0,50	0,25	0,10

Termen de garantie : conform certificate de conformitate, calitate si garantie (12 luni)
 in conditii normale de exploatare





Temperatura	20°C	20°C	50°C	50°C	100°C	100°C	150°C	150°C	200°C	200°C	260° C	260°C
Aplicatie	static	dinamic	static	dinamic	static	dinamic	static	dinamic	static	dinamic	static	dinamic
Presiune (%)	100%	100%	100%	100%	75%	75%	50%	50%	25%	25%	10%	10%
Termen de garantie	100%	90%	100%	90%	75%	65%	50%	40%	25%	15%	10%	0%




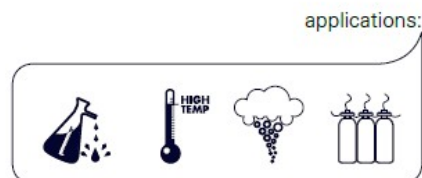


PTFE gofrat cu tesatura fibra sticla
Convoluted PTFE with glass fiber
PTFE convoluté avec fibre de verre

 **Compozitie** Tub interior: banda elicoidala infasurata si rasucita din PTFE acoperita de fibra de sticla. Pe exterior, impletitura inox AISI 304.
Temperatura de lucru De la -54°C la 204°C

 **Composition** Inner tube:tape wrapped helical convoluted PTFE, covered with glass fiber. External braid in stainless steel AISI 304.
Working temperature From -54°C to 204°C

 **Composition** Tube intérieur: spirale en PTFE couvert avec fibre de verre .
Température de travail A l'extérieur tresse en AISI 304
 De -54°C a 204°C



TYPE	INSIDE DIAM		OUTSIDE DIAM		SERVICE (20°C) (68°F)		BURST (20°C) (68°F)		MIN. BEND RADIUS	
	(Inch)	(mm)	(Inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(Inch)	(mm)
PTFE R	3/8"	9,5	0,59	15,0	1000	69	4000	276	1	25,4
PTFE R	1/2"	12,7	0,76	19,30	1250	86	5000	344	1,5	38
PTFE R	5/8"	16,0	0,91	23,1	1400	96	5600	384	2	51
PTFE R	3/4"	19,0	1,07	27,2	1100	76	4400	304	2,5	63
PTFE R	1"	25,4	1,34	34,0	1000	69	4000	276	3	76
PTFE R	1 1/4"	32,0	1,57	39,9	1000	69	4000	276	3,5	89
PTFE R	1 1/2"	38,0	1,81	46,0	750	52	3000	208	4,5	114
PTFE R	2"	51	2,32	58,9	500	34	2000	136	5,25	133

Termen de garantie : conform certificate de conformitate,calitate si garantie (12 luni)
 in conditii normale de exploatare





Furtun inox gofrat cu o impletitura Convuluted Stainless Steel Hose with 1 Braid Tuyau Inox Convolut  avec 1 Tresse

Compozitie	Tub intern: tub inox gofrat AISI 321 sau tub inox gofrat AISI 316. Impletitura: o impletitura inox AISI 304 sau inox AISI 316.
Temperatura de lucru	-270° C a +700° C.

Composition	Inner tube: convoluted stainless steel AISI 321 tube or convoluted stainless steel AISI 316 tube. Reinforcement: stainless steel AISI 304 braid or stainless steel AISI 316 braid.
Working temperature	From -270° C to +700° C.

Composition	Tube int�rieur: tube inox convolut� AISI 321 ou tube inox convolut� AISI 316. Renfort: tresse inox AISI 304 ou tresse inox AISI 316.
Temp�rature de travail	De -270° C � +700° C.

AISI 321 con 1 malla AISI 304 / AISI 321 with 1 braid AISI 304 / AISI 321 avec 1 tresse AISI 304							
Referencia Part. Number R�f�rence	DN	mm	� ext. m�x	Kg/cm ²	STATIC mm	FLEXION mm	kg/m
M93211006	1/4	8,0	14	100	25	100	0,300
M93211010	3/8	11,0	17,0	90	40	150	0,400
M93211012	1/2	12,0	19,9	80	50	200	0,500
M93211016	5/8	16,5	24,1	70	50	200	0,600
M93211020	3/4	19,8	29,5	64	70	200	0,650
M93211025	1	25,3	36,9	50	90	200	0,800
M93211032	1 1/4	32,3	43,7	40	110	250	1,500
M93211040	1 1/2	40,3	53,9	30	130	250	1,650
M93211050	2	50,4	68,4	28	175	350	1,800
M93211065	2 1/2	65,4	84	24	200	410	2,400
M93211080	3	79,9	98,5	18	205	450	3,000
M93211100	4	100	121,0	16	230	560	3,700

TEMPERATURE CORRECTION FACTORS FOR STAINLESS STEEL HOSES

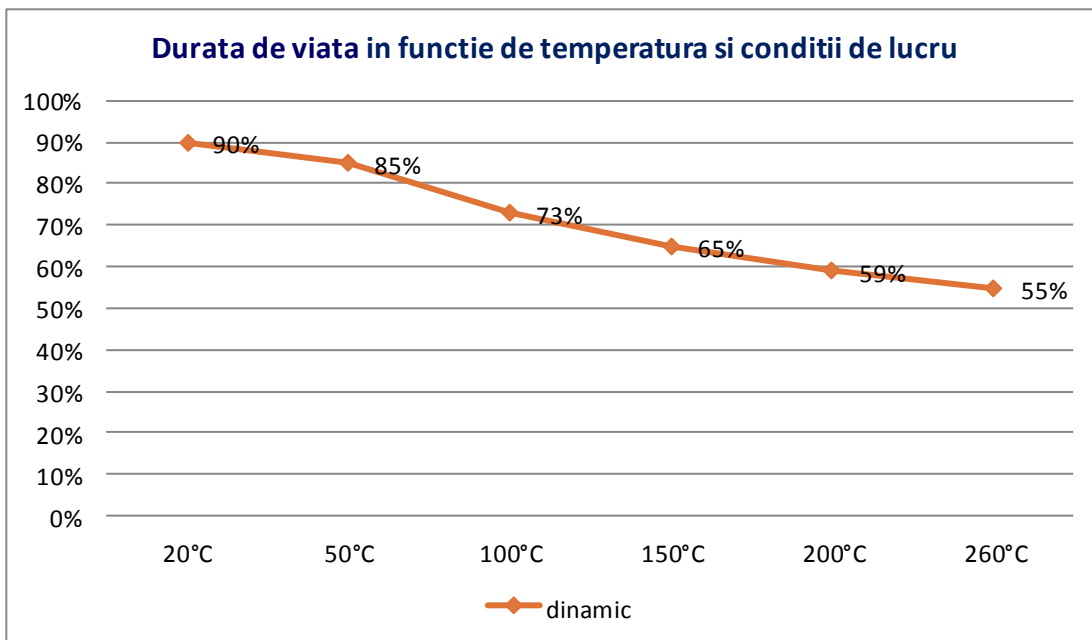
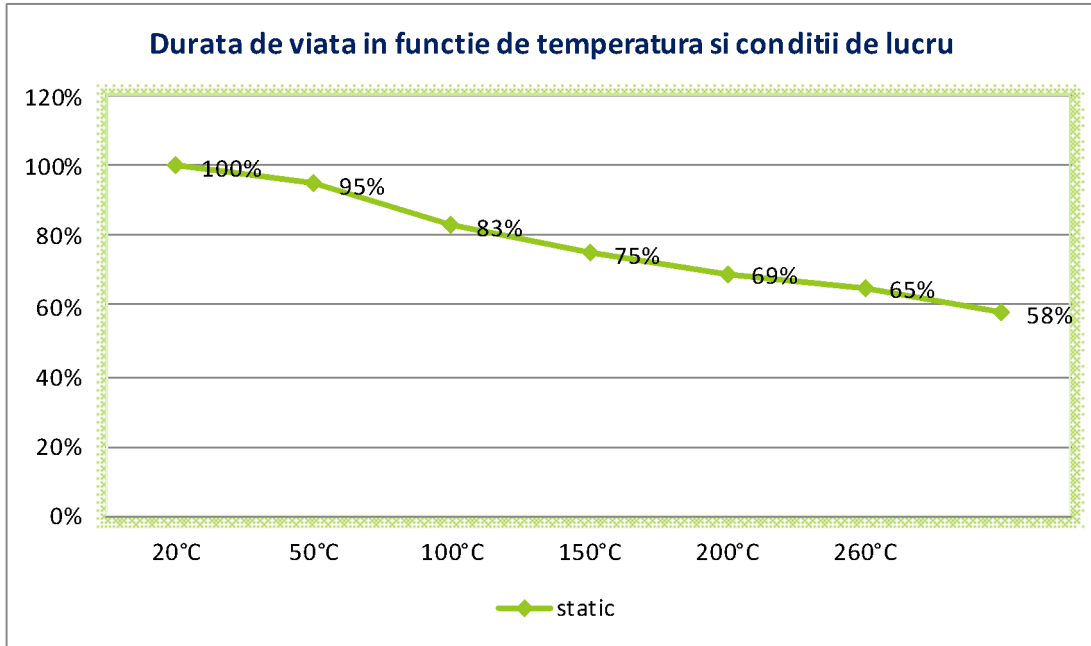
(°C)	-200	-150	-100	-50	0	20	50	100	150	200	250	300	350	400	450	500	550	600	650	700
Corr. Factor	1.0	1.0	1.0	1.0	1.0	1.0	0.95	0.83	0.75	0.69	0.65	0.61	0.58	0.56	0.54	0.53	0.52	0.34	0.19	0.10

Termen de garantie : conform certificate de conformitate, calitate si garantie (12 luni)
in conditii normale de exploatare



Furtun inox gofrat cu o impletitura
Convuluted Stainless Steel Hose with 1 Braid
Tuyau Inox Convoluté avec 1 Tresse

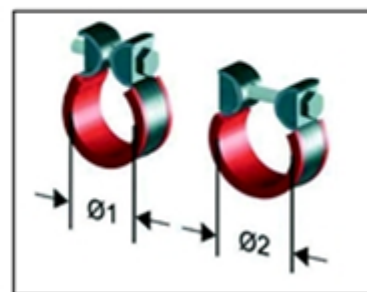
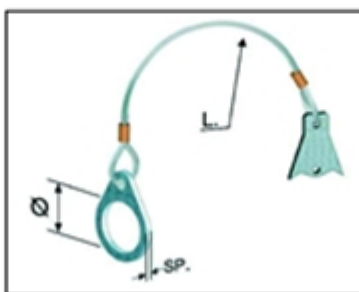
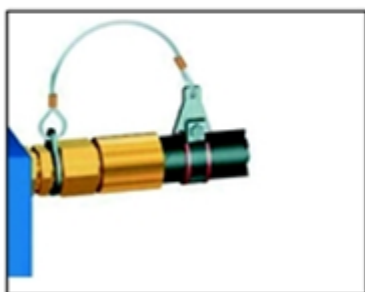
Temperatura	20°C	20°C	50°C	50°C	100°C	100°C	150°C	150°C	200°C	200°C	250° C	250°C
Aplicatie	static	dinamic	static	dinamic	static	dinamic	static	dinamic	static	dinamic	static	dinamic
Presiune (%)	100%	100%	95%	95%	83%	83%	75%	75%	69%	69%	65%	65%
termen de garantie	100%	90%	95%	85%	93%	73%	75%	65%	69%	59%	65%	55%



COFRAROM FLEX

SISTEM DE SIGURANTA ANTI-SMULGERE

• SISTEM DE SIGURANTA ANTI-SMULGERE / SAFE FASTETNERS / SYSTEME DE SECURITE ANTI-FOUET



Cablu de oțel foarte rezistent la tracțiune echipat cu ureche și cârlig.

Cablul de oțel se montează de un capăt pe furtun, cu o bridă STOP-FLEX adecvată, iar de celălalt capăt într-un punct fix. Prin aceasta se evită comportarea furtunului asemenea unui bici.