

TECHNICAL INFORMATION

IMPACT ON OPERATING CONDITIONS OF CORRUGATED STAINLESS STEEL HOSES.

The pressure indicated in the tables and bending radius molds at a plurality of uses only values that apply in predominantly static load 20 ° C. The life span of the hoses is adversely affected if there are print pulsating in the installation occur or impact load occurs by example. quick closing valves.

Also, the kind of movement, the magnitude of the movements and the temprature are important to determine the expected life time.

TABLE 1. CORRECTION FOR DYNAMIC LOAD

MOVEMENT CURRENT	WITHOUT SMALL, SLOW MOTION	LOW VIBRATION MUCH COMMON UNIFORM MOTION	STRONG VIBRATION CONSTANT RHYTHMICAL MOTION
PEACEFUL OR UNIFORM SLOW CURRENT	1,00	0,80	0,30
PULSATING CURRENT	0,80	0,64	0,32
RHYTHMIC AND SHOCK CURRENT	0,40	0,32	0,16

TABLE 2. CORRECTION FACTOR FOR ELEVATED TEMPERATURE

The working pressure are valable by 50°C/122°F.

For the applications at elevated temperatures, the working pressure has to be multiplied by the appropriate derating factor below.

	°C	20	50	100	150	200	250	300	350	400	450	500	550
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1.4301	304	1	0.88	0.73	0.66	0.60	0.56	0.52	0.50	0.48	0.47	0.46	0.42
1.4541	321	1	0.92	0.83	0.78	0.74	0.71	0.67	0.64	0.62	0.61	0.60	0.59
1.4404	316L	1	0.88	0.74	0.67	0.62	0.58	0.54	0.52	0.50	0.48	0.47	0.47
1.4401	316	1	0.90	0.78	0.71	0.66	0.62	0.58	0.56	0.53	0.52	0.51	0.51
1.4571	316Ti	1	0.90	0.81	0.76	0.73	0.69	0.65	0.63	0.61	0.59	0.59	0.58