

Serie F.500



STAINLESS STEEL EXPANSION JOINT FLANGED

F.520



Flexible joints protect the piping from extension, compression, misalignments and bending. Suitable for reducing vibrations and noise absorption, allowing the further reduction of the effects of water hammers

YES: for water plants, pumping stations, conditioning and heating, industrial and agricultural applications, compressed air circuits.

Application fields



WATER



CONDITIONING



INDUSTRY



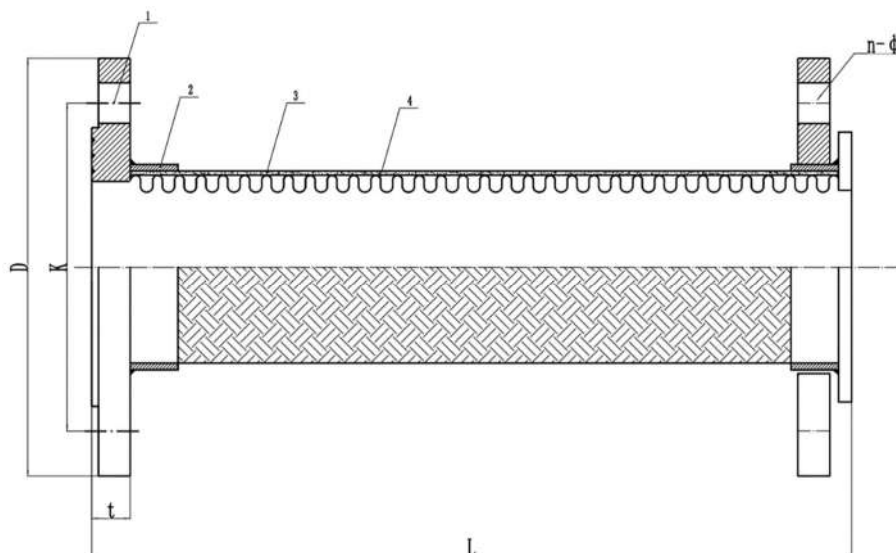
HEATING



DRINKING WATER



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Materials

	Component	Material
1	Flange	Steel
2	Clamp	AISI304 Stainless Steel (Option: AISI316 / 316L)
3	Bellow	AISI304 Stainless Steel (Option: AISI316 / 316L)
4	Braid (Single braid)	AISI304 Stainless Steel (Option: AISI316 / 316L)

Dimensions (mm)

DN	65	80	100	125	150	200	250	300	350
L	Standard length : 200, 300, 400, 500, 600, 800, 1000 mm								
D	185	200	220	250	285	340	405	460	520
K	145	160	180	210	240	295	355	410	470
t	20	20	22	22	24	24	28	32	35
n-Ø	4-Ø18	8-Ø18	8-Ø18	8-Ø18	8-Ø22	12-Ø22	12-Ø26	12-Ø26	16-Ø26
Minimum Bend Radius	500	525	625	750	900	1020	1220	2900	2950

Certificates



Standards

Design : TS EN 10879
 Flange Dimensions : TS EN1092-2 (PN 16)
 Tests : TS EN 12266-1
 Nominal Pressure: PN16 (Option: PN25)
 Temperature: -20 ~ 90°C

Instruction and Recommendations

STORING

- Keep in dry and closed place.
- Avoid exposure to direct sunlight.

RECOMMENDATIONS

Before carrying out maintenance or dismantling the valve:

- Ensure that the pipes, valves and fluids have cooled down
- That the pressure has decreased, and that the lines and pipes have been drained in case of toxic, corrosive, inflammable or caustic liquids.

Temperatures above 50°C and below 0°C might cause damage to people.

INSTALLATION

-Warning. Install the Flexible joint respecting its unloaded length. Compression or elongation deformation imposed during joint installation could reduce performances and cause early wear and damages to joint.

- Water hammers might cause damage and ruptures. Inclination, twisting and misalignments of the piping may subject the installed valve to excessive stresses. It is recommended that elastic joints be used, in order to reduce such effects as much as possible.

DISPOSAL

- For valve operating with hazardous media (toxic, corrosive...) , if there is a possibility of residue remaining in the valve, take due safety precaution and carry out required cleaning operation. Personnel in charge must be trained and equipped with appropriate protection devices.

- Prior to disposal, disassemble the valve and separate the component according to various materials. Please refer to product literature for more information. Forward sorted material to recycling (e.g. metallic materials) or disposal, according to local and currently valid legislation and under consideration of the environment.