The effective heat / cooling energy exc

Maximur

Maximum heat exchange without calcification
Vortices are formed in the helically corrugated pipe. These keep the water in a constant state of turbulence and exchange. The core current is heterodyned by a swirl component formed by the pipe geometry, which creates additional vortices. On the one hand this generates maximum heat exchange while on the other it prevents calcification.

Dimensions / technical data

Type	nominal bore	dimensions			bending radius	surface area	weight	volume
		ID mm	AD mm	s mm	m min.	m^2/m	kg/m	l/m dm^3/m
SFX 16/20	DN 15	16.0	20.0	0.2	0.05	0.083	0.24	0.20
SFX 22/25	DN 20	22.0	25.5	0.2	0.075	0.108	0.30	0.37
SFX 30/34	DN 25	30.0	34.0	0.2	0.15	0.146	0.40	0.80
SFX 39/44	DN 32	38.9	43.8	0.3	0.20	0.188	0.63	1.30
SFX 48/55	DN 40	48.0	55.0	0.3	0.25	0.235	0.70	2.00

Material: 1.4404

Better performance
With a corrugated pipe it is possible to construct a smaller storage tank to get the same performance or to generate more heat from a given tank size. Using a corrugated pipe can increase efficiency by up to 50 % compared with conventional pipes.

Comparison SPIRAFLEX and rigid piping systems:
- greater surface area
- greater flexibility
- reduced wall thickness, which gives better energy transfer
- higher turbulence
- changes from laminar to turbulent flow at low velocity

Comparison SPIRAFLEX and a parallel corrugated pipe:
- reduced flow resistance
- self-purifying effect through water turbulence, no calcification
- endless system, no connections
- higher mechanical load capacity
- improved hygiene due to avoidance of dead-water zones