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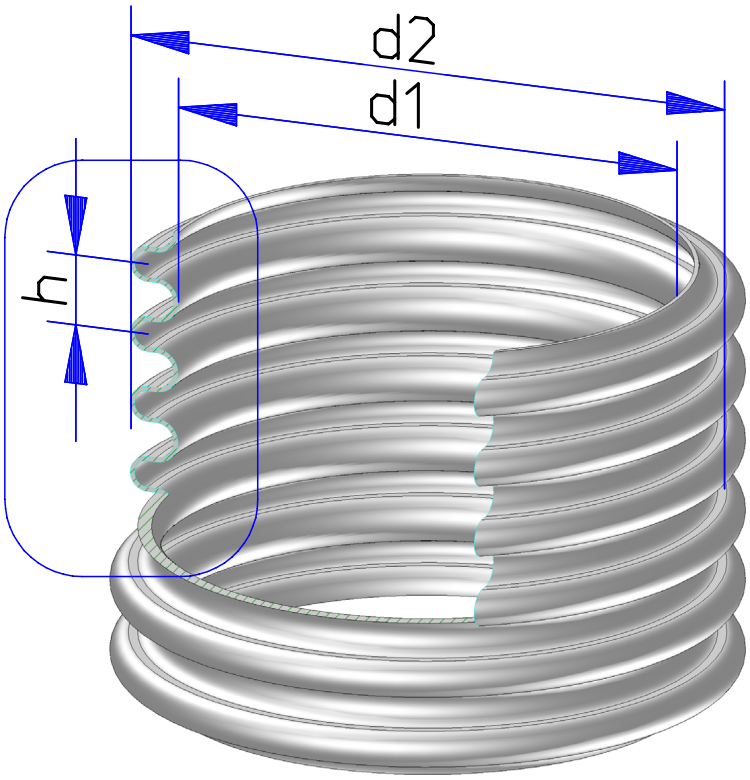
ICH BIN ZWEI TANKS.

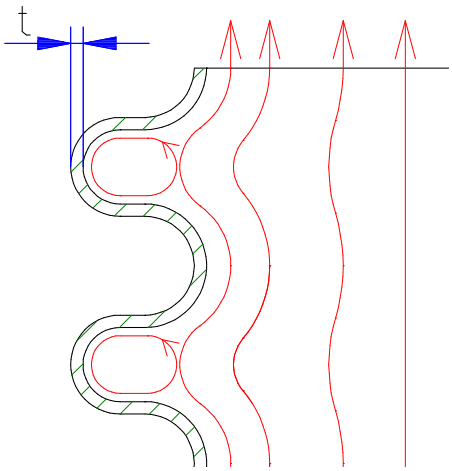
Tanks ■ Anlagen ■ F rmteile

Haase energy tank: Perf rmance characteristics f internal stainless steel heat exchangers

Advantages f c rrugated pipe in c ntrast t sm thb re tubes

- more than 50% larger surface area, with similar length and diameter - this improves the heat transfer
- the corrugated pipe induces a turbulent flow of water even at low flow rates (see right illustration), this prevents or impedes a calcification of the wall (self-cleaning effect)
- the turbulent flow in corrugated piper causes a better heat transfer than the laminar flow in smoothbore tubes
- the better heat transfer from the larger surface and turbulent flow allows the use of smaller heat exchangers (with the same performance) and thus a higher volume of storage medium
- the flexibility of the corrugated pipe reduces the load of the heat exchanger, which is generated by thermal expansion





Size f heat exchangers

Surface	V lume
36.6 sq.ft.	5 gal.
48.4 sq.ft.	6.6 gal.
73.2 sq.ft.	10 gal.
96.8 sq.ft.	13.2 gal.

Specificati ns c rrugated pipe 1 ½" (acc rding t DIN 17441)

C nnecti ns: 1 1/2" inside thread (maximum perating pressure 6 bar)

Inside diameter d1	1.36"	**Wall thickness t**	0.01"
Outside diameter d2	1.62"	**Shaft distance h**	0.19"
Surface	0.72 sq.ft. per ft.	**Density** δ	496.3 lb per ft³
Weight	0.35 lb. per ft.		

Err rs and missi ns excepted As f 2010