



# FLEX DUCT

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Management System  
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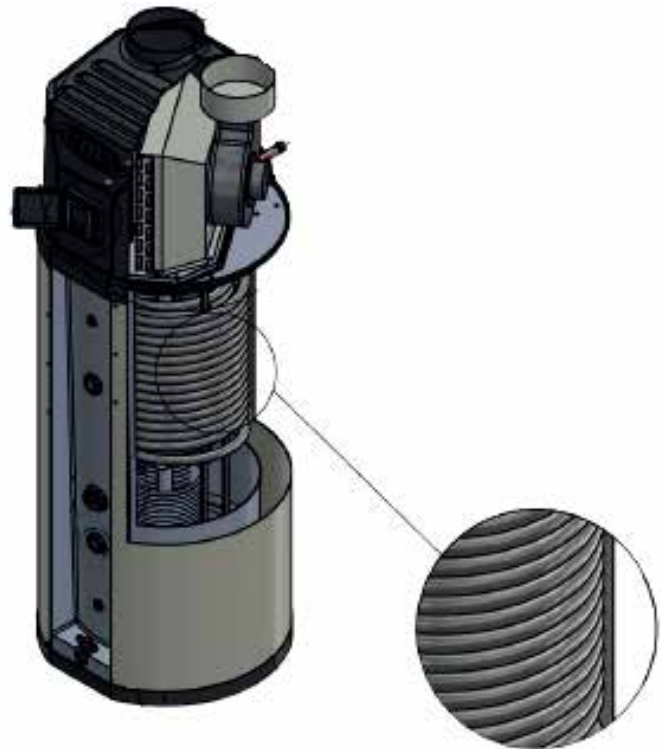
## Corrugated Stainless Steel: Heat Exchanger Hose

*Heat exchangers with Boiler pitch corrugated pipes offer several advantages compared with traditional straight-tube heat exchangers and normal wide/open pitch corrugated pipes:*

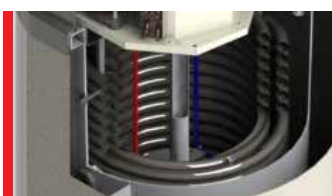
- *The large surface of the corrugated metal hose enables good heat transmission,*
- *Combined with the ribbed structure, it promotes condensation, e.g. for systems with condensing boiler technology*
- *The turbulent flow increases heat transmission and*
- *It reduces the build-up of lime deposits.*

This means that the efficiency level of a compact heat exchanger with corrugated pipes for special applications may be greater than a comparable straight-tube heat exchanger. Typical fields of compact heat exchangers are the heating of drinking, service or swimming pool water, temperature control of circulating water, system separation in underfloor heating or exhaust gas cooling and condensation.

Heat exchangers with stainless steel corrugated pipes can be used at a wide range of temperatures. It ranges from 90 °C for swimming pool heat exchangers to over 1000 °C as a primary heat exchanger in hot working areas.

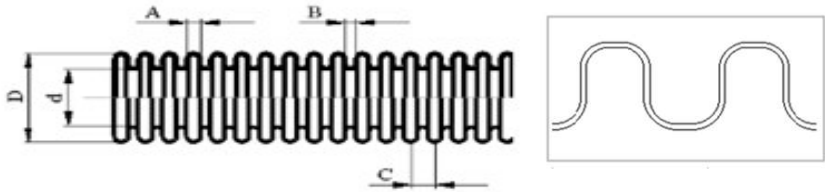


Flexduct's Boiler pitch heat exchanger hose can be custom welded to any fitting and to any length of pipe up to 400 meters. It is also adaptable to brass/bronze quick fittings – see galvanic reaction chart under downloads.



# Boiler Pitch

## TECHNICAL DETAILS



DN	Thickness	A (mm)	Tolerance (mm)	B (mm)	Tolerance (mm)	C (mm)	Tolerance (mm)	d (mm)	Tolerance (mm)	D (mm)	Tolerance (mm)	Working Pressure (bar)	Practical Weight ±10%	Surface Area (m <sup>2</sup> ) ±10%
20	0.2	2.5	0.4	2.4	0.4	4.9	0.2	20.4	0.2	26.8	0.2	6	0.208	0.140
20	0.25	2.5	0.4	2.4	0.4	4.9	0.2	20.4	0.2	26.8	0.2	12	0.26	0.140
20	0.3	2.5	0.4	2.4	0.4	4.9	0.2	20.5	0.2	26.5	0.2	20	0.312	0.140
25	0.25	3.4	0.8	2.2	0.8	5.6	0.2	25.8	0.4	32.2	0.4	12	0.3	0.154
25	0.3	3.4	0.8	2.2	0.8	5.6	0.2	25.8	0.4	32.2	0.4	20	0.4	0.154
32	0.3	3.45	0.8	1.85	0.8	5.3	0.2	33.7	0.4	40.6	0.4	12	0.5	0.212
40	0.4	3.8	0.8	3	0.8	6.8	0.2	40.5	0.4	49.6	0.4	10	0.8	0.265