

Metal Hoses as Heat Exchangers

BOILER HOSES

Heat exchangers with corrugated hoses offer several advantages compared with traditional straight-tube heat exchangers.

ADVANTAGES

- | The large surface of the corrugated metal hose enables good heat transmission.
- | The turbulent flow increases heat transmission and reduces the build-up of lime deposits.
- | It does not require any additional pipe bending equipment, and, consequently, there are no labor costs to bend a metal hose.
- | Smaller dimensions of the finished heat exchanger are reached due to a more intensive heat exchange, reduced wall thickness and increased surface area.

MATERIALS AISI

304 or 316L,
other stainless steel grades
available upon request

PRESSURE

2,5 - 10 bar
(depending on nominal diameter
and wall thickness)

DIAMETER

DN25 up to DN32

CONNECTION TYPES

internal or external threaded pipe

other types of end fittings are
available according
to the customer
requirements

FIELD OF APPLICATION

As heat exchanger inside
storage tanks

DN	Inner diameter, mm	Outer diameter, mm	Wall thickness, mm	Min. bending radius (static), mm	Working pressure at 20 °C, bar	PN according ISO 10380	Liquid Volume ±5%, l/m	Surface Area ±5%, m ² /m
25	26,1±0,4	31,6±0,4	0,20	35	8	6	0,653	0,135
25	25,5±0,4	31,7±0,4	0,30	40	12	10	0,628	0,142
32	34,1±0,5	40,4±0,5	0,22	45	4	2,5	1,120	0,185
32	34,0±0,5	40,2±0,5	0,30	47	10	10	1,070	0,168



Info
about
Boiler Hoses

