

Excellent Performance!

BOILERFLEX

Ayvaz's corrugated flexible metal hose product "BoilerFlex" is preferred for domestic water heating serpentine designs for both horizontal and vertical applications.

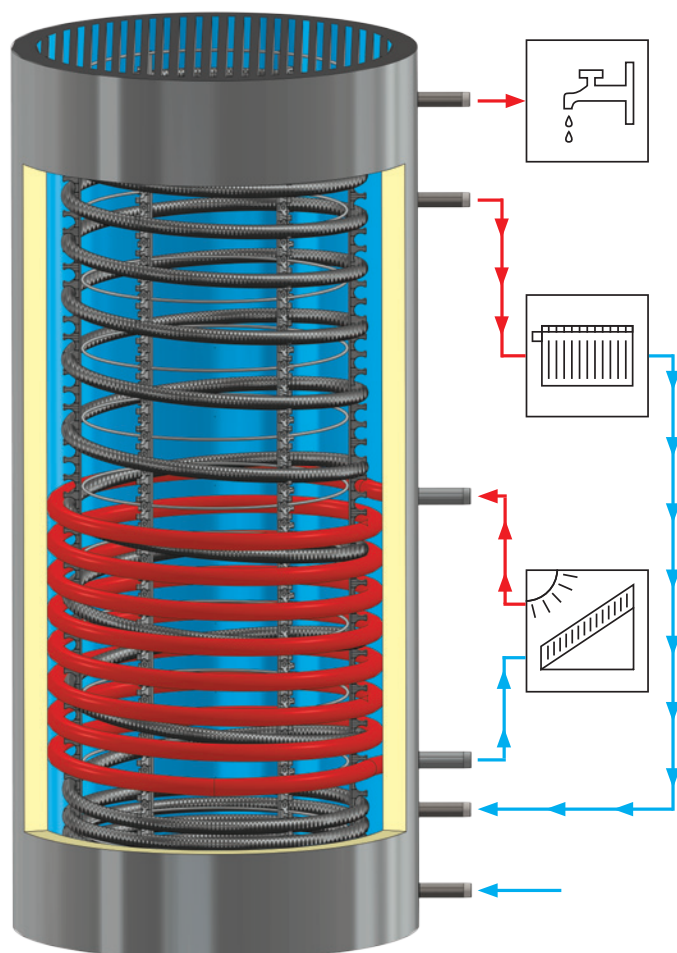
STAINLESS STEEL AISI 316L

HIGH THERMAL EFFICIENCY

CUSTOMIZED FITTINGS SELECTION



BEST
QUALITY



ADVANTAGES

- Parallel corrugated structure of the hose provides almost **doubled surface area** in comparison with rigid pipe applications. Greater surface area means better heat transfer capacity and higher efficiency. Spiral corrugation is also available.
- Boiler-flex systems are **economical**, energy saving applications.
- Hose corrugations keep moving as a result of constant thermal expansion and compression, this movement prevents the lime and residue formation on the hose surface and provides **longer service life**.
- Stainless steel (AISI 316L) hose is suitable for drinking water application and **highly resistant to corrosion**.
- With the help of flexibility and low bending radius, **the hose can be formed in any form** required for various applications.

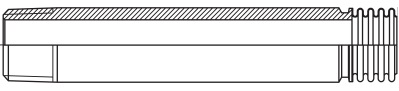
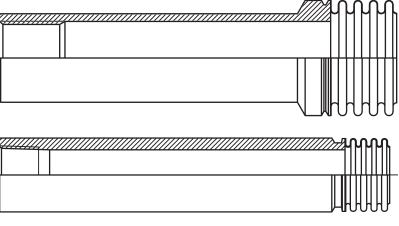


AYVAZ

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HOSE FEATURES

DN	Ød Internal Diameter (mm)	ØD External Diameter (mm)	Tolerance ± mm	Wall Thickness (mm)	Bending Radius		PN bar	Surface Area	Internal Volume
					r _{min} (mm)	r _n (mm)			
16	16,6	21,3	0,2	0,18	25	195	0-10	0,086 m ²	0,274 dm ³
20	20,9	26,4	0,2	0,18	30	225		0,112 m ²	0,442 dm ³
25	25,2	31,7	0,2	0,2	35	260	0-8	0,148 m ²	0,639 dm ³
25	24,5	31,25	0,2	0,3	35	260		0,147 m ²	0,598 dm ³
32	32,3	39,8	0,3	0,3	40	300	0-6	0,192 m ²	1,018 dm ³
40	40,8	49,8	0,4	0,4	58	290		0,241 m ²	1,575 dm ³
50	50,8	61,2	0,4	0,5	68	300		0,319 m ²	2,421 dm ³

STANDARD CONNECTIONS							
No	Type of Connection		Material	DN (Hose)	inch (Fittings)	Length (mm)	
1		External Threaded Pipe	Stainless Steel AISI 316 (AISI 304 optional)	16	1/2" x 1/2"	100	
				20	3/4" x 3/4"		
				25	1" x 1"		
		DIN EN 10226/1 thread		32	1 1/4" x 1 1/4"	150	
				40	1 1/2" x 1 1/2"		
50	2" x 2"						
2		Internal Threaded Pipe	Stainless Steel AISI 316 (AISI 304 optional)	16	3/8" x 3/8"	100	
				20	1/2" x 1/2"		
				25	3/4" x 3/4"		
		DIN EN 10226/1 thread		32	1" x 1"	150	
				40	1" x 1" 1 1/4" x 1 1/4"		
		50	1 1/2" x 1 1/2" 2" x 2"				

CONNECTION TYPES

Specially designed, customized connection types are available upon requests.



*According to customer request, connection may change.