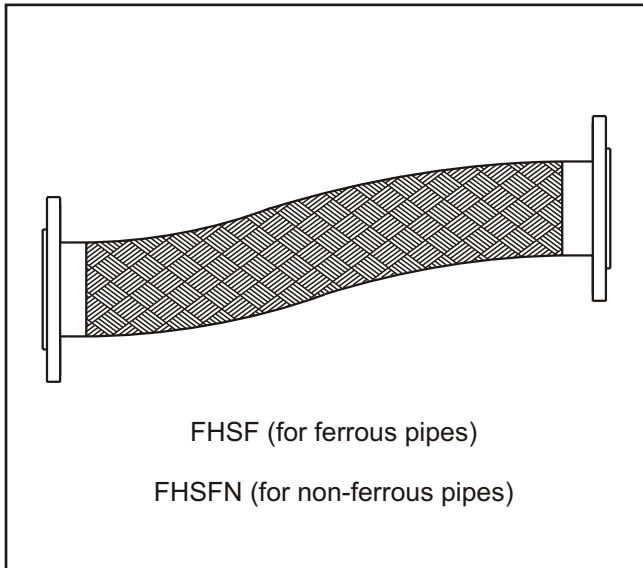


BRAIDED CONVOLUTED ST. STEEL HOSES

Model FHSF + FHSFN



APPLICATIONS

Braided convoluted stainless steel hoses are designed to reduce noise and vibration transmission from plant items. They are also capable of accommodating lateral movement.

These models have either mixed carbon steel / stainless steel internal parts OR stainless steel to ALL wetted parts, and can be used accordingly for the following applications:-

Low Temperature Heating (LTHW)
 Medium Temp. Heating (MTHW)
 Steam and Condensate
 Chilled Water (CHW)
 Fire Protection, Fuel Oil and Gas

Where required, these models are in accordance with WRAS, for the following applications:-

Potable Water Service (Drinking)
 Cold Water Service (CWS)
 Hot Water Service (HWS)



Nominal Size DN (mm)	Installation Length (mm)	Lateral Deflection (mm)	Static Bend Rad. (mm)	Flexing Bend Rad. (mm)	Product Code (MODEL-SIZE-OAL-MVT-ENDS)
25	250	5	90	290	FHSF(N)-025-250-5-PN##
32	250	5	110	330	FHSF(N)-032-250-5-PN##
40	300	5	130	370	FHSF(N)-040-300-5-PN##
50	300	5	150	420	FHSF(N)-050-300-5-PN##
65	350	5	180	530	FHSF(N)-065-350-5-PN##
80	350	5	230	560	FHSF(N)-080-350-5-PN##
100	400	5	290	660	FHSF(N)-100-400-5-PN##
125	400	5	360	780	FHSF(N)-125-400-5-PN##
150	450	5	510	930	FHSF(N)-150-450-5-PN##
200	500	5	760	1050	FHSF(N)-200-500-5-PN##
250	550	5	870	1250	FHSF(N)-250-550-5-PN##

The data above is typical for SEP applications.
 For more demanding applications, the length, movement and bending radii will be dependant upon the design for the pressure and temperature of the fluid conveyed.

SPECIFICATION

FHSF - Braided flanged model with stainless steel annular convoluted hose and over braid, carbon steel round fixed flanges.

FHSFN - Braided flanged model with stainless steel annular convoluted hose and over braid, carbon steel round flanges, complete with stainless steel van-stone facing (lapped pipe end); occasionally solid stainless steel flanges may be used instead.

When FHSFN is suffixed "(WRAS)" it indicates accordance with WRAS*, approval number 1306040. *Water Regulations Advisory Scheme.

Designed to ISO10380.

Conforms with PED* 97/23/EC.
 *Pressure Equipment Directive.

OPERATING PARAMETERS

Bespoke models are designed to suit the pressure and temperature of the fluid conveyed in compliance with PED 97/23/EC. As a guide, the operating parameters are based on pressure / temperature (p/T) ratings for material group 1E1 ferritic steel flanges from EN1092, where the operating pressure is reduced at elevated operating temperatures. However, for a given operating temperature, as the nominal size increases, the maximum operating pressure must be decreased.

Nom. Size DN	Operating Temp. TS	Operating Press. PN16 PS
25-80mm	110 °C.	16 Barg.
100mm	110 °C.	12 Barg.
125mm	110 °C.	8 Barg.
150mm	110 °C.	6 Barg.
200mm	110 °C.	4 Barg.
250mm	110 °C.	3 Barg.

WRAS Approved models - Max. Operating Temperature = 90 °C.

Not designed to accommodate axial movement.