

Flexible Metal Hoses



High Temperature Flexible Metal Hoses

CFH Series

- Carbon Steel MPT Fittings with Corrosion Resistant Coating
- Maximum Temperature: 800 °F
- 304 Stainless Steel Corrugated Inner Core
- 304 Stainless Steel Braid and External Ring
- Maximum Working Pressure is 629psi @70 °F (1/2" Hose)
- Rated for Full Vacuum
- Individually Boxed for Easy Storage



Extreme Temperature Flexible Metal Hoses

HCS Series

- Carbon Steel MPT Fittings with Corrosion Resistant Coating
- Maximum Temperature: 1500 °F
- 321 Stainless Steel Corrugated Inner Core
- 304 Stainless Steel Braid and External Ring
- Maximum Working Pressure is 1186 psi @70 °F (1/2" Hose)
- Rated for Full Vacuum
- Individually Boxed for Easy Storage



Extreme Temperature Flexible Metal Hoses

HSS Series

- 304 Stainless Steel MPT Threaded Ends
- Maximum Temperature: 1500 °F
- 321 Stainless Steel Corrugated Inner Core
- 304 Stainless Steel Braid and External Ring
- Maximum Working Pressure is 1186 psi @70 °F (1/2" Hose)
- Rated for Full Vacuum
- Individually Boxed for Easy Storage

	12" Lengths			18" Lengths			24" Lengths		36" Lengths
NPT	CFH Series	HCS Series	HSS Series	CFH Series	HCS Series	HSS Series	CFH Series	HCS Series	CFH Series
Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
1/2"	CFH-5012	HCS-5012	HSS-5012	CFH-5018	HCS-5018	HSS-5018	CFH-5024	HCS-5024	—
3/4"	CFH-7512	HCS-7512	HSS-7512	CFH-7518	HCS-7518	HSS-7518	CFH-7524	HCS-7524	—
1"	CFH-1012	HCS-1012	HSS-1012	CFH-1018	HCS-1018	HSS-1018	CFH-1024	HCS-1024	—
1-1/4"	CFH-1212	HCS-1212	HSS-1212	CFH-1218	HCS-1218	HSS-1218	CFH-1224	HCS-1524	—
1-1/2"	CFH-1512	HCS-1512	HSS-1512	CFH-1518	HCS-1518	HSS-1518	CFH-1524	—	—
2"	CFH-2012	HCS-2012	HSS-2012	CFH-2018	HCS-2018	HSS-2018	CFH-2024	—	—
2-1/2"	CFH-2512	HCS-2512	HSS-2512	—	HCS-2518	HSS-2518	—	—	CFH-2536
3"	—	HCS-3012	HSS-3012	—	HCS-3018	HSS-3018	—	—	—

Notes:

1. Overall dimensions may vary +.5" or 13mm

**Flexible Metal Hose
Technical Data**

Maximum Working Pressure - High Temperature Flex Hoses CFH Series

Size	70°F	150°F	200°F	250°F	300°F	350°F	400°F	450°F	500°F	600°F	700°F	800°F
1/2"	629	610	591	578	553	541	522	509	490	465	440	415
3/4"	476	461	447	438	419	409	395	386	371	352	333	314
1"	381	369	358	350	335	327	316	308	297	282	266	251
1-1/4"	342	331	321	314	301	294	284	277	267	253	239	226
1-1/2"	281	273	264	259	248	242	233	228	219	208	197	186
2"	238	231	224	219	209	205	197	193	186	176	166	157

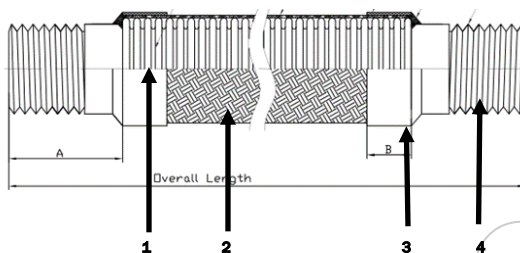
Maximum Working Pressure - Extreme Temperature Flex Hoses HCS and HSS Series

Size	70°F	150°F	200°F	250°F	300°F	350°F	400°F	450°F	500°F	600°F
1/2"	1186	1150	1115	1091	1044	1020	984	961	925	878
3/4"	898	871	844	826	790	772	745	727	700	665
1"	718	696	675	661	632	618	596	582	560	532
1-1/4"	645	625	606	593	568	555	535	523	503	477
1-1/2"	531	515	499	488	467	457	440	430	414	393
2"	449	435	422	413	395	386	372	364	350	332
2-1/2"	417	404	392	383	367	359	346	338	325	309
3"	346	335	325	318	304	297	287	280	270	256

Size	700°F	800°F	900°F	1000°F	1100°F	1200°F	1300°F	1400°F	1500°F
1/2"	830	783	735	712	688	652	593	522	474
3/4"	628	593	556	539	521	494	449	395	359
1"	503	474	445	431	417	395	359	316	287
1-1/4"	451	426	400	387	374	355	322	284	258
1-1/2"	371	350	329	319	308	292	265	234	212
2"	314	296	278	269	260	247	224	198	179
2-1/2"	292	275	258	250	242	229	208	183	167
3"	242	228	214	208	201	190	173	152	138

Size	Static Bend Radius (in)
1/2"	1.5
3/4"	2.1
1"	2.7
1-1/4"	3.1
1-1/2"	3.9
2"	5.1
2-1/2"	6.8
3"	7.8

Dimensional Data



No.	Description	CFH Series	HCS Series	HSS Series
1	Corrugated Inner Hose	304SS	321SS	321SS
2	Braid	304SS	304SS	304SS
3	External Ring	304SS	304SS	304SS
4	End Fitting	Carbon Steel (Light Gray Coating)	Carbon Steel (Dark Gray Coating)	304SS

NPT	Overall Length	Part No.	A	B
1/2"	12"	CFH/HCS/HSS 5012	1.5"	0.59"
1/2"	18"	CFH/HCS/HSS 5018	1.5"	0.59"
1/2"	24"	CFH/HCS/HSS 5024	1.5"	0.59"
3/4"	12"	CFH/HCS/HSS 7512	1.5"	0.67"
3/4"	18"	CFH/HCS/HSS 7518	1.5"	0.67"
3/4"	24"	CFH/HCS/HSS 7524	1.5"	0.67"
1"	12"	CFH/HCS/HSS 1012	2"	0.79"
1"	18"	CFH/HCS/HSS 1018	2"	0.79"
1"	24"	CFH/HCS/HSS 1024	2"	0.79"
1-1/4"	12"	CFH/HCS/HSS 1212	2"	0.79"
1-1/4"	18"	CFH/HCS/HSS 1218	2"	0.79"
1-1/4"	24"	CFH/HCS/HSS 1224	2"	0.79"
1-1/2"	12"	CFH/HCS/HSS 1512	2"	0.87"
1-1/2"	18"	CFH/HCS/HSS 1518	2"	0.87"
1-1/2"	24"	CFH/HCS/HSS 1524	2"	0.87"
2"	12"	CFH/HCS/HSS 2012	2"	0.98"
2"	18"	CFH/HCS/HSS 2018	2"	0.98"
2"	24"	CFH/HCS/HSS 2024	2"	0.98"
2-1/2"	12"	CFH/HCS/HSS 2512	2.48"	0.98"
2-1/2"	18"	CFH/HCS/HSS 2518	2.48"	0.98"
3"	12"	CFH/HCS/HSS 3012	2.48"	0.98"
3"	18"	CFH/HCS/HSS 3018	2.48"	0.98"

Note
1. Overall dimensions may vary +.5" or 13mm