

Multipurpose

FLEXIBLE ENGINEERING

A700 series high pressure wire cord hydraulic hose

A range of large bore hand-built suction and discharge hoses

Product description

A700 series high pressure hoses are designed for high pressure suction and discharge applications; capable of handling a wide range of materials, chemicals, oils and solvents at high pressure.

Reinforcement

A700 series hoses are manufactured with a fully encapsulated high-tensile brass coated steel wire cord; giving high flexibility and consistent stability under pressure.

Cover

Neoprene rubber for protection against oil, sunlight, weathering and abrasion.

Discharge types

A702 2-cord A704 4-cord
A706 6-cord A708 8-cord

Suction and discharge types

A714³ 4-cord + spiral helix
A716³ 6-cord + spiral helix

Lining rubber applications

Natural	Water
-NR	Abrasives
	Mud
	Cement
Neoprene	Sea water
-CR	Oil-based mud
Nitrile	Oils
-NBR	Solvents
EPDM	Chemicals
-EP	Air
	Sea water

Fittings and flanges

Carbon and stainless steel components are produced in-house at our computer-controlled machine shop (welding to ASME1X / BS EN287 - 1:2004 A1/2 2008).

Coupling systems

Internally swaged male thread, Victaulic groove, SAE flanges, and plain or weld prep ends.

- Stability under pressure
- Custom-built assemblies
- Vacuum resistance³
- Internally swaged couplings

Nominal physical data²

Bore size	Outside diameter	Nominal weight	Min bend radius	Burst ¹ pressure
Inch	mm	kg/mt	mm	bar

A714³ - 4-cord + spiral helix suction and discharge hose

6	150	196	21.2	900	186
8	200	249	28.4	1200	144
10	250	302	37.6	1500	117
12	300	353	43.4	1800	99

A716³ - 6-cord + spiral helix suction and discharge hose

6	150	204	26.7	990	266
8	200	257	37.1	1320	208
10	250	310	47.1	1650	171
12	300	361	55.6	1980	145

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Physical data

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Nominal physical data²

Bore size		Outside diameter		Nominal weight kg/mt	Min bend radius mm	Burst ¹ pressure bar
Inch	mm	mm	mm			

A702 - 2-cord discharge hose

2.1/2	65	87	4.5	760	208
3	75	100	5.4	915	179
4	100	126	6.9	1225	140
5	125	151	8.4	1525	115
6	150	176	9.9	1825	97
8	200	227	13.1	2440	75
10	250	278	16.1	3050	60
12	300	329	19.2	3660	51

A704 - 4-cord discharge hose

2.1/2	65	95	6.9	630	377
3	75	108	8.1	760	329
4	100	134	10.3	1020	262
5	125	159	12.5	1270	217
6	150	184	14.8	1520	186
8	200	235	19.2	2030	144
10	250	286	23.7	2540	117
12	300	337	28.1	3050	99

A706 - 6-cord discharge hose

4	100	142	14.1	820	368
5	125	167	16.8	1020	309
6	150	192	19.8	1220	266
8	200	243	25.7	1625	208
10	250	294	31.6	2035	171
12	300	345	37.3	2440	145

A708 - 8-cord discharge hose

4	100	150	17.8	615	463
5	125	175	21.4	765	392
6	150	200	25.1	915	340
8	200	251	32.3	1220	268
10	250	302	39.5	1525	222
12	300	353	46.7	1830	189

- Stability under pressure
- Custom-built assemblies
- Vacuum resistance³
- Internally swaged couplings

¹ JF Hose recommend the ratio of burst pressure to working pressure should not be less than 3:1.
² Physical data based on –CR version. ³ A714 and A716 are manufactured with vacuum resistance.

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