PARAGON

CHEMICAL HOSE

UHMWPE Chemical S&D Hose



UHMWPE Chemical Suction & Discharge Hose

UHMWPE-lined chemical suction and discharge hose for acids, ketones, aldehydes, esters and hydrocarbons

Application:
Chemical suction and delivery hose for acid-based liquids, ketones, aldehydes, esters and aromatic and aliphatic hydrocarbons, with limited resistance to chlorinated hydrocarbons. Suitable for animal or vegetable foodstuffs and alcoholic drinks.

Tube:
UHMWPE, white, smooth, food quality and abrasion resistant. Complies with F.D.A standards

Reinforcement:
Synthetic plies, helix wire embedded and antistatic wire

Cover:
Special blue or green rubber, abrasion, ozone and weather resistant. Corrugated with fabric finish surface

Size range:
½" – 8" (13 mm – 203 mm)

Working pressure:
250 PSI

Temperature:
−31°F to +194°F (−35°C to +90°C)

Best for:
Acids, ketones, aldehydes, esters and hydrocarbons; animal or vegetable foodstuffs; alcoholic drinks

Marking:
PARAGON



PART NUMBER	ID		OD		WORKING PRESSURE		BURST PRESSURE		VACUUM	BEND RADIUS		WEIGHT		COIL LENGTH	
	in	mm	in	mm	PSI	bar	PSI	bar	in.Hg	in	mm	lb/ft	kg/m	ft	m
CUCS-050-B/G	½"	13	0.96	24	250	17	1000	69	27	1.58	40	0.27	0.4	200	61
CUCS-075-B/G	¾"	19	1.18	30	250	17	1000	69	27	2.36	60	0.37	0.55	200	61
CUCS-100-B/G	1"	25	1.42	36	250	17	1000	69	27	2.95	75	0.46	0.68	200	61
CUCS-125-B/G	1¼"	32	1.73	44	250	17	1000	69	27	3.78	96	0.63	0.94	200	61
CUCS-150-B/G	1½"	38	1.96	50	250	17	1000	69	27	4.53	115	0.72	1.07	200	61
CUCS-200-B/G	2"	51	2.52	64	250	17	1000	69	27	6.02	153	0.93	1.38	200	61
CUCS-250-B/G	2½"	64	3.03	77	250	17	1000	69	27	7.08	180	1.39	2.07	100	30.5
CUCS-300-B/G	3"	76	3.5	89	250	17	1000	69	24	8.98	228	1.85	2.75	100	30.5
CUCS-400-B/G	4"	102	4.72	120	250	17	1000	69	24	16.14	410	2.93	4.36	100	30.5
CUCS-600-B/G	6"	152	6.85	174	250	17	1000	69	24	29.95	761	4.43	6.59	100	30.5
CUCS-800-B/G	8"	203	9	229	250	17	1000	69	24	41.5	1054	6.2	9.23	100	30.5

Cleaning at +266 °F (130 °C) for a maximum of 30 minutes.

Resists a tensile stress of 880 lb with a diameter shrink of 3.5%.

Blue Composite Suction & Discharge Hose

Lightweight flanged composite hose for petroleum, water, light chemicals and waste water, rated for full vacuum

Application:
Lightweight composite hose for the suction and discharge of petroleum, water, light chemicals and waste water. Light enough to manoeuvre easily and extremely flexible, with excellent conductivity.

Tube:
Polypropylene inner layer

Reinforcement:
Galvanized inner and outer wire helices, with reinforced fabric and sealing film between the layers

Cover:
PVC (polyvinylchloride) outer layer

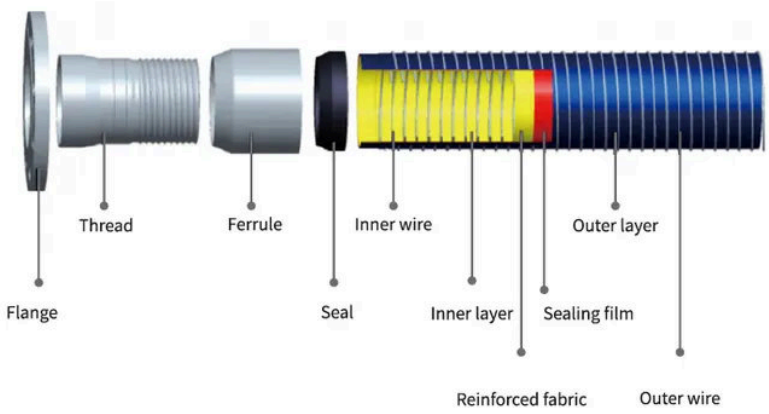
Size range:
4" – 12" (102 mm – 305 mm)

Working pressure:
150–200 PSI by size

Temperature:
−22°F to +176°F (−30°C to +80°C)

Best for:
Petroleum, water, light chemicals and waste water, suction and discharge

Marking:
PARAGON



PART NUMBER	ID		OD		WORKING PRESSURE		BURST PRESSURE		VACUUM	BEND RADIUS		WEIGHT	
	in	mm	in	mm	PSI	bar	PSI	bar	in.Hg	in	mm	lb/ft	kg/m
CHWB-400-200	4"	102	4.4	112	200	14	800	55	28	14.2	361	2.7	4.02
CHWB-600-200	6"	152	6.75	171	200	14	800	55	28	22	559	7	10.42
CHWB-800-200	8"	203	9	229	200	14	800	55	28	30	762	10	14.88
CHWB-1000-200	10"	254	11.5	292	200	14	600	41	28	40	1016	13	19.35
CHWB-1200-150	12"	305	13.5	343	150	10	450	31	28	47	1194	15.5	23.07

Safety factor 4:1 (burst to working pressure).

Flanges crimped on each end: 150 lb, fixed × floating.