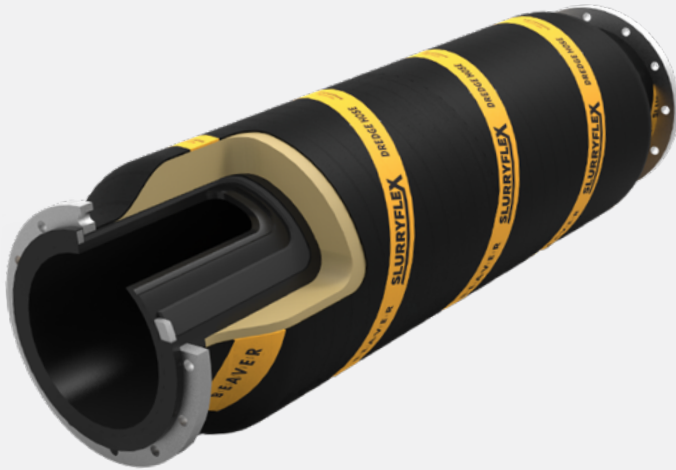


DG-Series

Specialty Self-Floating Soft-Wall Dredge Hose



Slurryflex DG-Series self-floating soft-wall dredge hose suitable for suction and discharge duty. Designed and manufactured in Australia, this premium product is suitable for the most arduous applications.

Self-floating hose with integral buoyancy for use on floating hose pipelines such as dredging applications. Soft-wall design to avoid permanent kinking when experiences tight bend radius (e.g. close to dredge when reversing).

Integral buoyancy foam in robust double-carass construction avoids the problems associated with using pipe floats (e.g. no catching on floats or floats moving or bunching which can cause the floating pipeline to sink). Fully customisable with special engineered designs available on request.

Technical Specifications

Hose size	DN50-1500 (2-60") as standard
Hose length	Up to 15m (50') as standard
Pressure rating	0 to +5000kPa (0 to +725psi) Higher on request
Temperature rating	-30°C to +75°C for Slurryflex Grade A rubber
Buoyancy rating	0% (neutral) to 50% (half of hose out of water)
End connections	Full spigot fixed flange Full spigod swivel flange Custom
Flange types	AS2129, ASME B16.5, ASME B16.47, AWWA C207, AS4087, BS EN 1092, BS 3293, JIS B2220, SANS 1123, DIN ISO 7005, custom
Groove types	AWWA C606 OGS, Victaulic AGS, custom
Thread types	BSP, NPT, API, premium, custom
Safety factor	4:1 as standard
Extra options	Custom nozzles, branches, or connections Wear monitoring system (plug-only or push-button)

Material Specifications

Inner liner	Slurryflex Grade A rubber (for high-wear slurry) Slurryflex ASR rubber (for acidic slurry) Slurryflex HSR rubber (for hydrocarbon-containing slurry) Slurryflex TSR rubber (for high-temperature slurry) Slurryflex custom formulation
Reinforcement	Synthetic fabric
Outer cover	UV, ozone, and abrasion-resistant rubber
End connections	Carbon steel (painted, galvanised, custom) Stainless steel (SS304, SS316) Exotic alloy

Standard Properties

Hose Size			Standard Liner Thickness		Max Liner Thickness		Standard Working Pressure		Max Working Pressure	
DN	in	mm	mm	in	mm	in	kPa	PSI	kPa	PSI
50	2	51	6	¼	6	¼	1000	150	5000	725
80	3	76	6	¼	9	¾	1000	150	5000	725
100	4	102	6	¼	12	½	1000	150	5000	725
125	5	127	6	¼	12	½	1000	150	5000	725
150	6	152	6	¼	12	½	1000	150	5000	725
200	8	203	6	¼	12	½	1000	150	5000	725
250	10	254	9	¾	15	⅝	1000	150	5000	725
300	12	304	9	¾	19	¾	1000	150	5000	725
350	14	355	9	¾	19	¾	1000	150	5000	725
400	16	405	12	½	19	¾	1000	150	5000	725
450	18	457	12	½	19	¾	1000	150	5000	725
500	20	508	12	½	19	¾	1000	150	5000	725
550	22	565	12	½	19	¾	1000	150	5000	725
600	24	610	12	½	19	¾	1000	150	5000	725
650	26	660	15	⅝	19	¾	700	100	4000	580
700	28	711	15	⅝	19	¾	700	100	4000	580
750	30	762	15	⅝	19	¾	700	100	4000	580
800	32	813	15	⅝	25	1	700	100	3000	435
900	36	914	15	⅝	25	1	700	100	3000	435
1000	40	1016	19	¾	30	1 ¼	700	100	3000	435
1100	44	1118	19	¾	30	1 ¼	700	100	2500	362
1200	48	1219	19	¾	32	1 ⅙	700	100	2500	362
1300	52	1321	19	¾	40	1 ⅝	700	100	2500	362
1400	56	1422	19	¾	40	1 ⅝	700	100	2500	362
1500	60	1524	19	¾	40	1 ⅝	700	100	2500	362

Notes

1. Product is fully customisable and available in non-standard specifications on request.
2. Buoyancy rating % is calculated based on SG of internal fluid, SG of external fluid, mass of hose, and volume of hose.
3. Safety factor is the ratio of working pressure to minimum rated burst pressure.
4. Standard liner thickness is the thickness recommended for general slurry applications (min 3mm for non-abrasive applications, e.g. water).
5. Maximum liner thickness is the design limit for a hose with fixed flange ASME CL150, standard working pressure, and standard hose inside diameter.