Flexible Layflat Water Discharge Hose

Borehole and pump-riser layflat supplied in a single continuous length — no joints

Application:
WELLMAN 300 flexible layflat riser hose for submersible pumps, supplied in one continuous length to the pump setting with no joints except at the pump and headworks. All-synthetic: polyurethane lining and cover resistant to hydrocarbon fuels, many chemicals, ozone, UV, abrasion and microbial attack; the textile reinforcement swells up to 15 % under pressure to cut friction loss. Working pressure is 50 % of burst (2:1) for non-hazardous, non-flammable liquids.

Tube:
High grade polyurethane lining

Reinforcement:
Woven synthetic textile, engineered to swell up to 15% under pressure

Cover:
Polyurethane, resistant to hydrocarbons, ozone, UV and microbial attack

Size range:
2" – 6" (51 mm – 152 mm)

Working pressure:
420–450 PSI

Temperature:
−40°F to +122°F (−40°C to +50°C)

Best for:
Groundwater abstraction (potable and brackish), desalination supply wells, food processing, irrigation, environmental monitoring, mine dewatering, land stabilisation, solar pumping, offshore fire-water and service pumps

Marking:
PARAGON



AS/NZS 4020
KTW-DVGW
NSF Certified to NSF/ANSI 61
WRAS APPROVED PRODUCT
PZH

PART NUMBER	ID		WORKING PRESSURE		BURST PRESSURE		WEIGHT		COIL LENGTH	
	in	mm	PSI	bar	PSI	bar	lb/ft	kg/m	ft	m
WWFB-200	2"	51	450	31	900	62	0.5	0.74	300	91.4
WWFB-300	3"	76	450	31	900	62	0.7	1.04	300	91.4
WWFB-400	4"	102	450	31	900	62	1.1	1.64	300	91.4
WWFB-500	5"	127	420	29	840	58	1.3	1.93	300	91.4
WWFB-600	6"	152	420	29	840	58	1.7	2.53	300	91.4

Working pressure is rated at a 2:1 safety factor for non-hazardous, non-flammable liquids only.

Flow at an 820 ft pump setting: 2″ 127 gpm (8 l/s) at 8 ft/s · 3″ 285 gpm (18 l/s) at 10 ft/s · 4″ 650 gpm (41 l/s) at 10 ft/s · 5″ 1,238 gpm (78 l/s) at 14 ft/s · 6″ 1,665 gpm (105 l/s) at 15 ft/s.