

An-flex

Water Blasting Hose



Hose Assemblies



WATER BLASTING HOSE

WB 750 Series (10,000 PSI)

HOSE SIZE	I.D.		O.D.		WORKING PRESSURE		BURST PRESSURE		MINIMUM BEND RADIUS		WEIGHT	
	inch	mm	inch	mm	bar	psi	bar	psi	inch	mm	lbs/ft	kg/m
6	1/4	6.4	0.70	17.8	700	10000	1750	25000	4.92	125	0.410	0.610
10	3/8	9.5	0.84	21.4	750	10875	1875	27100	7.09	180	0.511	0.760
12	1/2	12.7	0.96	24.6	750	10875	1875	27100	9.06	230	0.645	0.960
19	3/4	19.0	1.26	32.2	750	10875	1875	27100	9.84	250	1.050	1.540
25	1	25.4	1.53	38.8	700	10000	1750	25000	11.0	300	1.420	2.130

WB 850 Series (12,000 PSI)

HOSE SIZE	I.D.		O.D.		WORKING PRESSURE		BURST PRESSURE		MINIMUM BEND RADIUS		WEIGHT	
	inch	mm	inch	mm	bar	psi	bar	psi	inch	mm	lbs/ft	kg/m
6	1/4	6.4	0.70	17.8	850	12000	2125	30000	4.92	125	0.410	0.610
10	3/8	9.5	0.84	21.4	850	12000	2125	30000	5.91	150	0.560	0.840
12	1/2	12.7	0.97	24.6	850	12000	2125	30000	10.50	260	0.650	0.970
19	3/4	19.0	1.26	32.0	850	12000	2125	30000	11.02	280	1.140	1.700
25	1	25.0	1.50	38.0	850	12000	2125	30000	13.98	355	1.520	2.260

WB 1000 Series (15,000 PSI)

HOSE SIZE	I.D.		O.D.		WORKING PRESSURE		BURST PRESSURE		MINIMUM BEND RADIUS		WEIGHT	
	inch	mm	inch	mm	bar	psi	bar	psi	inch	mm	lbs/ft	kg/m
10	3/8	9.5	0.85	21.4	1000	14500	2500	36250	7.09	180	0.511	0.760
12	1/2	12.7	0.96	24.5	1100	16000	2785	40000	7.37	200	0.912	1.360
19	3/4	19.0	1.26	32.0	1000	14500	2500	36250	12.2	310	1.677	2.500





WB 1200 Series (18,000 PSI)

HOSE SIZE	I.D.		O.D.		WORKING PRESSURE		BURST PRESSURE		MINIMUM BEND RADIUS		WEIGHT	
	DN	inch	mm	inch	mm	bar	psi	bar	psi	inch	mm	lbs/ft
6	1/4	6.4	0.58	14.6	1250	18000	3125	45000	7.87	200	0.455	0.680
10	3/8	9.5	0.69	17.4	1250	18000	3125	45000	9.06	230	0.550	0.815

WB 1400 Series (20,000 PSI)

HOSE SIZE	I.D.		O.D.		WORKING PRESSURE		BURST PRESSURE		MINIMUM BEND RADIUS		WEIGHT	
	DN	inch	mm	inch	mm	bar	psi	bar	psi	inch	mm	lbs/ft
6	1/4	6.4	0.72	18.4	1380	20000	3450	50000	4.92	125	0.490	0.730
10	3/8	9.5	0.87	22.2	1380	20000	3450	50000	5.91	150	0.710	1.050
12	1/2	12.7	1.14	29.0	1450	21025	3625	52563	9.05	250	1.275	1.865
19	3/4	19.0	1.26	34.0	1350	19575	3375	48938	11.81	300	1.420	2.140

WB Waterblasting Hose

- TUBE : Oil resistant synthetic rubber
- REINFORCEMENT : 4 - 6 spirals of very high tensile steel wire
- COVER : Oil, weather and abrasion resistant rubber cover
- TEMPERATURE RANGE : -40 °C to +100 °C
(-40 °F to +212 °F)
- COMPLIANCE : Complies to International standard specification
AS/NZ 4233.2, prEN 1829-2 & DIN 20023T1

Waterblasting Assemblies

Waterblast assemblies come in standard 20 metres in length. Hoses are assembled with any combination of BSP, Metric DKO, NPT and NPSM terminations.

For special requirements, assemblies can be supplied in any hose length up to 200 metres and with a unique choice of adaptors for any challenging applications.



Safety of Water-Blasting Hoses

An-Flex water-blasting hoses are designed and manufactured under stringent quality control standards. Safety is a key element for water-blasting equipment, and special care has been taken to accord maximum safety to the water-blasting hose operator and personnel working near him. All An-Flex products have been tested to 150% of the indicated maximum working pressure to ensure safety against sudden peaks and surges.

Safety recommendations in the use of water-blasting hoses

- Set relief valves to operate at 10% above the maximum working pressure to reduce premature failure caused by over-stressing of the reinforcement. Refrain from applying pulsating pressures as it will also have the same effect of reducing the lifespan of the hose.
- When under pressure, hoses may elongate or contract. Make allowance for the length change (-4% to +2%) when using safety device against fitting blow-offs, or the hose might rupture or pull out of its fittings, causing bodily injury to the operator.
- Ensure precise fitting retention by applying the recommended temperature of not more than 70°C.
- When you join several lengths of hose together, make sure that these lengths do not slack (ie do not "hang down"), as it cause a large stress to the highest fitting and restricts the natural ability of the hose to contract under pressure.
- Should the hose cover be damaged, especially when in contact with sharp edges, replace the cover when the damage reaches the wire to avoid corrosion of the carbon steel wires. Physical damage caused by crushing or twisting will also distort the reinforcement and lead to hose failure.
- Always wear adequate protective clothing, boots and eyewear when operating a high-pressure hose.
- Avoid mixing and matching An-Flex hoses with other alternative brands as this may lead to poor quality of the assembly and uncertain reliability.



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