



Hose Solutions



DAIRY FARMING HOSE PROFILE

**Hose & Fitting Solutions
for the Dairy Industry
By Hose Solutions**



Hose Solutions specialises in supplying and manufacturing hose and fittings for a wide range of applications and industries — including the food and dairy sectors.

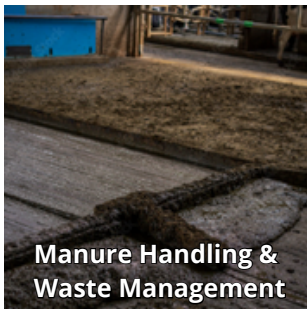
With over 15 years of experience, we're a trusted partner for quality, performance and service across South Africa and beyond.

www.hosesol.co.za

WHY DAIRY NEEDS SPECIALISED HOSES

- ✓ Food-safe, non-toxic materials
- ✓ Resistant to milk fats, acids, and chemicals
- ✓ Handles hot washdowns (up to 120°C)
- ✓ Built for flexibility, hygiene, and durability
- ✓ Compatible with stainless steel dairy fittings

TYPICAL APPLICATIONS INCLUDE:



DAIRY HOSE APPLICATIONS & PRODUCTS

1. Milk Suction & Delivery

Use: Milk transfer from parlour to tank

Product: Food Grade Non-Toxic Keliflex Suction
& Delivery Hose

- Spiral reinforced
- Smooth bore
- Full flow
- Non-toxic PVC – safe for milk, juice, wine
- Temperature: 0°C to 60°C
- Vacuum rated



ADVANTAGES:

Super flexible, UV stabilized smooth bore, full flow. Abrasion, shock and crush resistant. Temperature ranges 0 - 60 Celsius. Non toxic PVC. Food grade. Can withstand vacuum.

ID (mm)	ID (inches)	Bursting pressure (bar)	Bend radius (mm)	Weight (Kg/M)	Weight per Roll
38.1mm	1.5"	18	155	0.6	18
50.8mm	2"	15	215	0.85	25.5
63.5mm	2.5"	14	275	1.05	31.5
76.2mm	3"	12	335	1.5	45

2. Washdown Hoses

Use: Cleaning parlour floors and milking equipment

Options: 267BE Water-Slurry Hose – Medium Duty

- Grey PVC with helical blue stripe
- Abrasion, ozone and temperature resistant
- Operates: -20°C to +60°C

Custom High-Pressure Washdown Assemblies (on request)

With insulated, adjustable nozzles

For hot water up to 120°C



												
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"			7	100	21	300	100,0	3,94	90	0,415	0,28
32,0	1 1/4"			7	100	21	300	128,0	5,04	90	0,605	0,41
38,0	1 1/2"			7	100	21	300	152,0	5,98	90	0,705	0,48
51,0	2"			5	75	15	225	204,0	8,03	90	1,000	0,68
60,0	2 3/8"			5	75	15	225	240,0	9,45	90	1,280	0,87
63,0	2 1/2"			5	75	15	225	252,0	9,92	90	1,340	0,91
76,0	3"			5	75	15	225	304,0	11,97	90	1,750	1,18
80,0	3 1/8"			5	75	15	225	320,0	12,60	90	1,840	1,24
90,0	3 1/2"			4	60	12	180	360,0	14,17	90	2,260	1,52
102,0	4"			4	60	12	180	408,0	16,06	90	2,700	1,82
110,0	4 5/16"			4	60	12	180	440,0	17,32	90	3,100	2,09
120,0	4 3/4"			4	60	12	180	480,0	18,90	90	3,600	2,42
127,0	5"			4	60	12	180	508,0	20,00	90	3,800	2,56
152,0	6"			3	45	9	135	608,0	23,94	90	4,850	3,26
203,0	8"			3	45	9	135	812,0	31,97	90	9,100	6,12

3. Chemical & Detergent Transfer

Use: Acidic/alkaline cleaning agents

Recommended: Special chemical transfer hose assemblies

OPTIONS: Alfagomma 509OE –

Premium Chemical & Food-Grade Hose

- FDA & EU-compliant UHMWPE inner tube – safe for food contact.
- Steel helix reinforcement – suction and delivery capable.
- Durable EPDM cover – ozone, UV, and abrasion resistant.
- Pressure: 16 bar (240 psi).
- Temp Range: –30 °C to +100 °C (depending on medium).

Advantages:

- Food-safe and hygienic.
- Excellent flexibility and vacuum capability.
- Long service life in harsh cleaning environments.



												
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
19,0	3/4"	31,00	1,22	16	240	48	720	114,0	4,49	90	0,590	0,40
25,0	1"	37,00	1,46	16	240	48	720	150,0	5,91	90	0,730	0,50
32,0	1 1/4"	44,00	1,73	16	240	48	720	192,0	7,56	90	0,880	0,60
38,0	1 1/2"	50,00	1,97	16	240	48	720	228,0	8,98	90	1,010	0,68
40,0	1 9/16"	52,00	2,05	16	240	48	720	240,0	9,45	90	1,050	0,71
51,0	2"	63,00	2,48	16	240	48	720	300,0	11,81	90	1,340	0,91
63,0	2 1/2"	77,00	3,03	16	240	48	720	378,0	14,88	90	2,090	1,41
76,0	3"	92,00	3,62	16	240	48	720	450,0	17,72	80	2,840	1,91
102,0	4"	118,00	4,65	16	240	48	720	600,0	23,62	80	3,870	2,61

4. Vacuum & Pulsation Air Hoses

Use: Milking machine vacuum lines, pulsators

Product: Seeder Keliflex Suction & Delivery Hose

- Available in clear or tinted
- UV stabilised
- Flexible & crush-resistant

Spirally reinforced PVC suction hose. Available in 30M lengths in both black/ clear and white/ clear. Used for suction and delivery of liquids and granular product. Mainly used in the agricultural industry for use in planters, as well as granular transfer on air seeders.

ADVANTAGES:

- Super flexible,
- UV stabilized smooth bore, full flow.
- Abrasion, shock and crush resistant.
- Temperature ranges 0 - 60 Celsius.
- Non toxic PVC. Can withstand vacuum.



ID (mm)	ID (inches)	Bursting pressure (bar)	Bend radius (mm)	Weight (Kg/M)	Weight per Roll
25.4mm	1"	24	110	0.38	11.4
31.8mm	1.25"	21	130	0.48	14.4
38.1mm	1.5"	18	155	0.6	18
50.8mm	2"	16	215	0.85	25.5
63.5mm	2.5"	14	275	1.05	31.5

5. General Water Supply / Drainage

Use: Water delivery or waste liquid drainage

Products:

- Flexi Keliflex Suction & Delivery Hose
- Layflat PVC Hose (on request)

Spirally reinforced PVC suction hose. Available in 30M lengths in both black/ clear and white/ clear.

Used for suction and delivery of liquids and mixtures in various industries such as agriculture, mining, industrial, civils, fishing, dredging and offshore diamond dredging.

ADVANTAGES:

- Super Flexible,
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FITTINGS FOR DAIRY INDUSTRY

We offer a full range of food-safe stainless steel fittings, including:

- DIN 11851 / SMS / Tri-Clamp
- Camlock & Quick Couplers
- Hygienic Worm Clamps & Heavy Duty Bolted Clamps
- Nozzles & Spray Guns

WHY CHOOSE HOSE SOLUTIONS?

- Food-grade, certified hose assemblies
- Competitive pricing and availability
- Fast turnaround times
- Experienced technical team
- Support throughout SA & Southern Africa



CONTACT US



WE'RE HERE TO HELP

For expert advice for all your fittings, don't hesitate to contact Hose Solutions.



021 945 1941



info@hosesol.co.za



hosesupplierpneumatichydraulic.co.za



facebook.com/HoseSol



Unit No 3 Hydro Park,
Hydro Street, Stikland, Bellville,
Cape Town, 7535, South Africa

