

## ColdLogik hoses

ColdLogik™ Hoses are made from a mix of galvanised wire, fabric and rubber silicone offering ultra pliable hoses with a smaller bend radius than most other hoses available, which help prevent twisting while offering the benefit of additional flexibility.

Suitable for use in both positive pressure and Leak Prevention (LPS) systems and Zero Aisle overhead runner system components.



### Technical data

#### Standard connection hose pair

Part number	Length	Hose O/D & I/D	Compression connector (coil)	Female cone/BSP connector (pipe work)
CM-HOS-2828-01	1m	43mm/25mm	28mm	25mm
CM-HOS-2828-02	2m	43mm/25mm	28mm	25mm
CM-HOS-2828-03	3m	43mm/25mm	28mm	25mm
CM-HOS-2828-04	4m	43mm/25mm	28mm	25mm

#### Materials and finish

Rubber liner

Outer layer fabric colour blue (flow) red (return)

1.2 galvanised wire @ 3TPI

Food based silicone

#### Maximum working pressure

6 bar (22mm/25mm) 5:1 safety factor

4 bar (32mm) 5:1 safety factor

#### Theoretical burst

30 bar minimum

#### Test pressure

12 bar (4 x WP)

#### Elongation per m

At 5 bar-15mm

At 10 bar 17mm

Conducted under test lab conditions for use as a guide only

#### Minimum recommended bend radius



## Pressure drop table

Flow m <sup>3</sup> /h	Flow USGPM	Ø 25mm (1") L 2M (6'6")	Ø 25mm (1") L 3M (9'9")	Ø 25mm (1") L 4M (13')	Ø 32mm (1 ¼") L 2M (6'6")	Ø 32mm (1 ¼") L 2.5M (8')
1.5	6.6	1.8kPa	2.4kPa	3kPa	0.45kPa	0.6kPa
2	8.8	3.2kPa	4.2kPa	5.2kPa	1.8kPa	2.1kPa
2.5	11	4.8kPa	6.3kPa	7.65kPa	2.7kPa	3.15kPa
3	13.21	6.4kPa	8kPa	10.1kPa	3.6kPa	4.2kPa
3.5	15.41	11kPa	12.6kPa	18kPa	6kPa	6.45kPa
4	17.61	15.6kPa	21kPa	26kPa	8.4kPa	8.7kPa
4.5	19.81	19kPa	24.2kPa	32.25kPa	11.25kPa	12.6kPa
5	22	22.4kPa	29.4kPa	38.5kPa	14.1kPa	16.5kPa
5.5	24.21	25.6kPa	33.5kPa	42.5kPa	16.05kPa	18.75kPa
6	26.42	28.8kPa	37.5kPa	46.5kPa	18kPa	21kPa

Calculated pressure drop includes for a pair of flow/return hoses with fitting losses and the 90° bend on the header connection, as installed.

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