

# tyco

## Flow Control

## Flexible Piping Systems

### Features

- Standard Fuelmaster Code 1000 and Oilmaster 901 hoses are designed as general purpose hoses for the transfer of a wide variety of hydrocarbon conveyant under suction or pressure.
- Standard Duty Fuelmaster hoses are used in such applications as low pressure transfer for road and rail tanker loading and discharging, storage tank and in-plant use. Conveyants include light distillates such as petrol, diesel, paraffin/kerosene and 100% aromatics.
- Where exceptionally low weight is required, Lightweight Fuelmaster Code 1003 substitutes an aluminium inner spiral. It is suitable for similar conveyants to the standard Fuelmaster 1000.
- Standard Duty Oilmaster hoses, for road and rail tanker and in-plant applications, are used for black oils and heavier lubricating products in addition to the same conveyants as Fuelmaster.
- Heavy Duty Oilmaster 982 hoses, including bores up to 250mm NB, are suitable for ship-to-shore, dockside and general shipboard use.
- Standard Aviation Hose code 900 AV substitutes an aluminium inner spiral together with a fine weave fray resistant inner liner designed specifically for use with aviation spirit.

The most vulnerable link in the chain of production, distribution and use of bulk hydrocarbons is the point of transfer.

Tyco produce a comprehensive range of composite hoses, specifically engineered to safely and easily handle hydrocarbons, including: oils, petrol, diesel, lubricating oils, paraffin and 100% aromatics, in all kinds of transfer.



# FLEXONICS

# Composite Hoses - Hydrocarbons

## Product Specifications

Nominal Internal Diameter mm	Maximum Working Pressure Bar	Minimum Bend Radius mm	Weight Kg/m	Maximum Manufacturing Length
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### Fuelmaster 1000 Standard Duty

25	7	50	1.08	9.14
32	7	75	1.14	9.14
38	7	75	1.29	9.14
50	7	75	1.87	18.30
65	7	90	2.47	18.30
75	7	112	2.96	18.30
100	7	200	3.86	18.30

### Fuelmaster 1003 Lightweight

65	5	90	1.85	18.30
75	5	112	2.20	18.30
100	5	200	2.85	18.30

### Standard Duty Oilmaster (901)

25	14.00	100	1.10	9.14
32	14.00	125	1.23	9.14
38	14.00	140	1.89	9.14
50	10.40	180	2.02	18.30
65	10.40	200	2.59	18.30
75	10.40	280	3.17	18.30
100	10.40	400	7.90	18.30
150	10.40	480	12.90	9.14

### Heavy Duty Oilmaster (0982)

100	14.00	400	6.50	15.00
150	14.00	500	11.00	15.00
200	14.00	740	15.00	15.00
250	10.50	920	21.00	12.00

### Vapour Recovery Hose VRH

100	2	200	3.44	18.30
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### Standard Aviation Hose (900 AV)

65	5	90	1.85	18.30
75	5	112	2.20	18.30
100	5	200	2.85	18.30



## Construction

Standard hydrocarbon hoses are manufactured from multilayers of polypropylene fabric and film with a weatherproof and abrasion resistant outer cover. The hose layers are held and tensioned between internal and external wire helices.

Computer-aided design has resulted in exceptional strength-to-weight ratios and extreme flexibility, giving the hoses excellent handling characteristics. This ensures ready operator acceptance and encourages good usage practice.

The standard production length is 18.3m (with the exception of 982). All hoses are supplied with factory-fitted end connections to the customer's requirements.

Fuelmaster hoses comply with Australian and International standards such as AS 2683, AS2117, BS3492 and A.I.P. code of practice CP-27.

### Product Specifications

Type	Lightweight Fuelmaster	Standard Duty Fuelmaster	Standard Duty Oilmaster	Heavy Duty Oilmaster	Vapour Recovery Hose	Standard Aviation Hose
<b>Code</b>	1003	1000	901	982	VRH	900 AV
<b>Temperatures</b>	-20° to +80°C	-20° to +80°C	-20° to +80°C	-20° to +80°C	-20° to +80°C	-20° to +80°C
<b>Colour</b>	Yellow/Green Stripe	Green/Yellow Stripe	Green/Red Stripe	Blue	Black/Yellow Stripe	Yellow

### Construction

<b>Inner Wire</b>	Aluminium	Galvanised Carbon steel	Galvanised Carbon Steel	Galvanised Carbon Steel	Galvanised Carbon Steel	Aluminium
<b>Wall Materials</b>	(Polymeric fabrics and films selected according to resistance and strength)					
<b>Outer Wire</b>	Galvanised Carbon Steel	Galvanised Carbon Steel	Galvanised Carbon Steel	Galvanised Carbon Steel	Galvanised Carbon Steel	Galvanised Carbon Steel

**Note:** All hoses are suitable for the temperature range -20° to +80°C but these are subject to pressure derating factors. Higher temperatures are permitted for intermittent use subject to confirmation by TFC-FPS Technical Department.

