

COMPOSITE HOSES

GO TO:

[FUELBOSS](#)

[DOCKBOSS](#)

[JETBOSS](#)

[VAPOURBOSS](#)

[CHEMBOSS](#)

[PROCESS CONNECTIONS](#)

[ACCESSORIES](#)

[PART NUMBERS](#)

MTIS composite hoses are selected, specified and quality-assured for the realities of Papua New Guinea's fuel industry.

Our range supports the applications local operators rely on most: tanker loading and unloading, bulk fuel transfer, aviation refuelling, and ship-to-shore.

Backed by local assembly, testing, installation and certification, MTIS delivers dependable hose solutions for demanding operations, including larger-diameter marine assemblies and custom configurations tailored to project requirements.

Contact MTIS for maintenance and re-certification of your existing hoses, as well as new product supply.



1003 LIGHTWEIGHT FUELS HOSE

Primary Use Case: Forecourt delivery hose with reduced weight and improved flexibility for easier handling.

Description: Reduces manual handling strain during gravity or low-pressure forecourt deliveries due to aluminium alloy inner wire. Perfect for tank-truck applications.

Temperature Range: -30°C to +80°C

Standards: EN 13765:2010 /CCS



1000 STANDARD HYDROCARBON HOSE

Primary Use Case: Workhorse industrial fluid transfer hose for road tanker and depot applications.

Description: Multi-layer thermoplastic hose reinforced with a galvanized steel inner and outer wire helix. Designed for the suction and discharge of petroleum products.

Temperature Range: -30°C to +80°C

Standards: EN 13765:2010 /CCS



901 HEAVY DUTY HYDROCARBON HOSE

Primary Use Case: High-pressure plant and depot transfer. Engineered for abrasion and crush resistance to withstand heavy mechanical loads and high-flow industrial applications.

Description: Heavy-duty construction with a galvanised steel inner and outer wire helix. Specially designed to maintain structural integrity and resist external damage in demanding environments.

Temperature Range: -30°C to +80°C

Standards: EN 13765:2010 /CCS



Part No	Inner / Outer Wire	Working Pressure	Vacuum Rating	Safety Factor	Inside Diameter	Hose	Stripe	Max. Length
FB1003	AG	4 bar	0.9 bar	4:1	1" to 12"	Yellow	Green	30m
FB1000	GG	10 bar	0.9 bar	4:1	1" to 12"	Green	Yellow	30m
FB901	GG	14 bar	0.9 bar	4:1	1" to 12"	Black	White	30m

MARINE HIGH DURABILITY

Primary Use Case: Premium ship-to-ship and ship-to-shore hose with superior mechanical strength and corrosion resistance.

Description: Designed for high-volume transfer where the hose must withstand the mechanical weight and movement of a ship at berth. Features a Stainless Steel outer wire, preventing pitting and rust caused by sea spray and salt air.

Temperature Range: -30°C to +80°C

Standards: EN 13765:2010 /CCS



Part No	Inner / Outer Wire	Working Pressure	Vacuum Rating	Safety Factor	Inside Diameter	Hose	Stripe	Max. Length
DB	GS	14 bar	0.9 bar	5:1	1" to 12"	Blue	White	30m

JETBOSS

700 AVIATION

Primary Use Case: Specifically for Jet A1 and Avgas refuelling scenarios. Precision built for assured aviation fuel purity.

Description: Refuelling for aircraft tankers and airport fuel systems. Suitable for critical suction and discharge of refined aviation fuels. 316 stainless steel inner and robust outer wire helix. Polyamide lined to maintain strict fuel quality standards.

Temperature Range: -30°C to +100°C

Standards: EN 13765:2010 /CCS



Part No	Inner / Outer Wire	Working Pressure	Vacuum Rating	Safety Factor	Inside Diameter	Hose	Stripe	Max. Length
JB700	SG	10 bar	0.9 bar	4:1	1" to 12"	Black	Green	30m

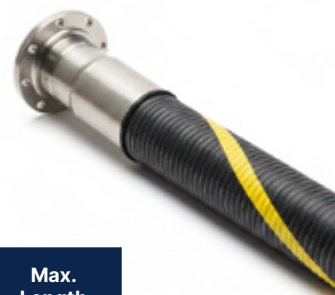
STANDARD VAPOUR RECOVERY

Primary Use Case: Suction and discharge of hydrocarbon vapours in terminal bottom-loading, tank-truck and oil depot applications.

Description: Standard duty vapour return hose featuring a galvanized steel inner and outer wire helix. Designed for high-frequency connection cycles.

Temperature Range: -30°C to +80°C

Standards: EN 13765:2010 /CCS



Part No	Inner / Outer Wire	Working Pressure	Vacuum Rating	Safety Factor	Inside Diameter	Hose	Stripe	Max. Length
VB	GG	1.5 bar	0.9 bar	5:1	1" to 12"	Black	Yellow	30m

CHEMBOSS

PLUS INDUSTRIAL ACIDS/SOLVENTS

Primary Use Case: High-performance hose for chemical tankers and plants; resistant to a vast range of acids, alkalis, and solvents.

Description: High-performance chemical hose reinforced with a stainless steel 316 inner and outer wire helix. Compatible with most industrial acids and alkalis.

Temperature Range: -30°C to +100°C

Standards: EN 13765:2010 /CCS



MAX HIGHLY AGGRESSIVE CHEMICALS

Primary Use Case: Specialised chemical hose with a PTFE internal liner for extreme corrosives like nitric acid.

Description: Universal chemical hose featuring a stainless steel 316 inner and outer wire helix with a PTFE internal liner for maximum chemical immunity.

Temperature Range: -30°C to +100°C

Standards: EN 13765:2010 /CCS



Part No	Inner / Outer Wire	Working Pressure	Vacuum Rating	Safety Factor	Inside Diameter	Hose	Stripe	Max. Length
CBPLUS	SS	14 bar	0.9 bar	4:1	1" to 12"	Orange	Blue	30m
CBMAX	SS	14 bar	0.9 bar	4:1	1" to 12"	Red	White	30m

Process Connection	Type of Connection	Material Specifications	Part Number Code
FEMALE CAMLOCK AL	Camlock	AL A356, SS316 ARMS, NBR GASKET	C1
MALE CAMLOCK AL	Camlock	AL A356	C2
FEMALE CAMLOCK SS	Camlock	SS CF8M, SS316, ARMS, NBR GASKET	C3
MALE CAMLOCK SS	Camlock	SS CF8M	C4
ANSI 150 FIXED FLANGE CS	Flange	A105 FLANGE, A106 TAIL, ZP	F1
ANSI 150 FIXED FLANGE SS	Flange	F316L FLANGE, 316L TAIL	F2
ANSI 150 SWIVEL FLANGE CS	Flange	A105 RING, A106 TAIL, ZP	F3
ANSI 150 SWIVEL FLANGE SS	Flange	F316L RING, 316L TAIL	F4
BSPT MALE CS	Threaded	A105 CS, ZP	T1
BSPT MALE SS	Threaded	SS 316L	T2
NPT MALE CS	Threaded	A10 CS, ZP	T3
NPT MALE SS	Threaded	SS 316L	T4



The full range of industrial process connectors is available on request. Please get in touch to discuss your requirements.



TROLLEYS

Manufactured locally in Port Moresby for hose diameters of up to 12".

Material: Carbon Steel

Colour: Grey with 4 x caster wheels



SPIRAL HOSE PROTECTOR

Abrasion resistant, crush resistant, flexible and strong. The smooth facing and rounded edges prevent the guard from getting caught on rough surfaces.



SLINGS & BUNS

Safe, controlled support when lifting or suspending hoses. Slings and buns distribute the load across a wider area and support the required bend radius. They prevent crushing, kinking, cutting and localised stress.



HOSE FLOATS

Provide reliable buoyancy and support for hose assemblies operating on or across water. By keeping the hose afloat, visible and able to flex with waves, currents and vessel movement, hose floats help reduce resistance and the risk of damage during marine transfer.

Materials: Polyethylene



ROPE LAG

A tough, versatile fibre ideal for general purpose ropes used in mining, trucking and general industrial applications.

Lagging insulates and protects the hose from abrasion and heat transfer.

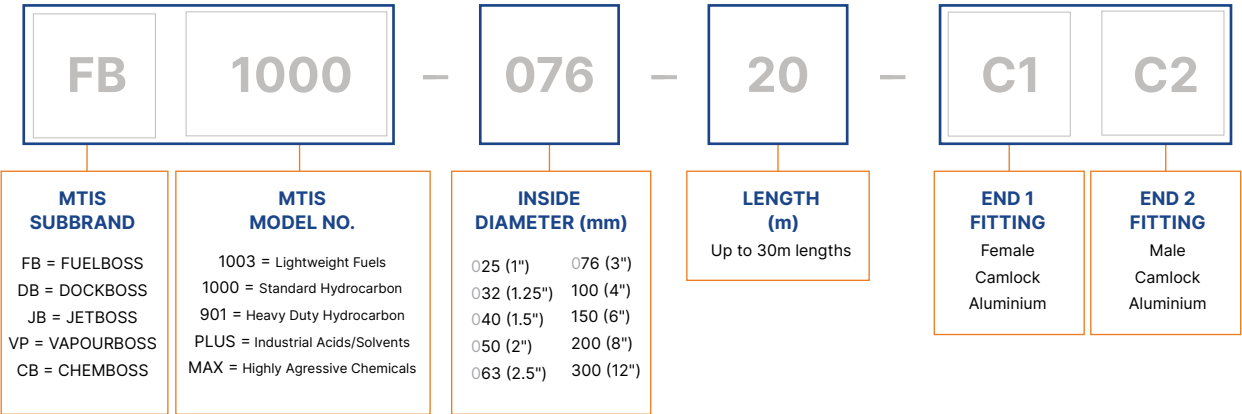


ANTI-WEAR RING

Prevents abrasion damage; hose contact with the ground or foreign objects is minimised.

Designed to protect the hose used in mining, trucking, and general industrial applications.





EXAMPLE PART NUMBER

FB1000-076-20-C1C2

This would be a FuelBoss Standard Hydrocarbon hose, 3" in diameter, 20 metres in length, with a male camlock on one end and a female camlock on the other end.

This catalogue shows our most commonly requested composite hoses and configurations.
Other hose types, sizes and fittings are also available. Please give us a call to discuss your specific application.