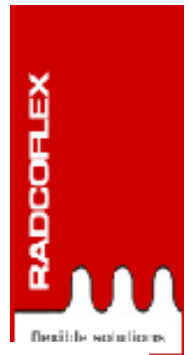


hose styles & standards

composite hose



hose styles & selections

Composite hoses are manufactured on the mandrel wrapped principle. The hose consists of an inner wire spiral upon which layers of fabric and film are wrapped, and bound with an external wire spiral. The tension between each other of the wire spirals gives the hose its pressure capability.

The heart of a composite hose is in the materials selection. Fabric and film materials used include Polypropylene, Polyester and Polyamide. The wire helixes can be of galvanised steel, aluminium, stainless steel or polypropylene coated steel.

The final selection of the materials depends upon the application for the hose.

For ease of identification, Radcoflex hoses incorporate either a white striped marked with the hose name or a coloured stripe which denotes the material composition of the hose, as follows:

YELLOW	Inside wire is galvanised mild steel with a polypropylene bore.
RED	Inside wire is polypropylene coated steel with a polypropylene bore.
BLUE	Inside wire is stainless steel with a polypropylene bore.
BUFF	Inside wire is aluminium with a polypropylene bore.
GREEN	Inside and outside wires of stainless steel with a bore of polyester / polyamide materials.
BLACK	A hose of special make-up.

Composite hoses are classified under a group number which refers to their chemical resistance suitability.



standards and tolerances

Radcoflex Composite Hoses are manufactured in accordance with generally recognised industry standards including European Standards EN 13765 and EN 13766, and Australian Standards AS 2117 and AS 2683, and Australian Institute of Petroleum Code of Practices.

Our Composite Hoses are tested in accordance with International Standard ISO 1402, British Standard BS 5173 and Australian Standard AS 1180.

Composite hose is generally ordered by its nominal bore (inside diameter) size.

The working pressure stated in the data sheets are at ambient temperature (20°C).

Radcoflex reserves the right to change the specification of any product and/or withdraw it from its range of products without notice.

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