

CONVOLUTED
TECHNOLOGIES PTY LTD

Bitumen Transfer

Hose Assemblies and Services

Features

- *Highly flexible and light weight construction which is also very durable*
- *AS 2475-2001 Threaded hose connection fittings for bituminous materials*
- *2 1/2" stainless steel 316 convoluted standard-flex hose with protective armour wire*
- *2 1/2" galvanised bitumen interlocked hose with packing*
- *1" spray bar hose with 1" gunmetal bronze BSPT male hex nipples*
- *Spray bar connectors made to all configurations in stainless steel 316 standard-flex*

Services

- *Cleaning and testing of in service hoses on a recommended annual base*
- *In-house storage of certification records*



Bitumen Transfer

Hose Assemblies and Hose Fittings

All of our bitumen hoses and fittings operate at elevated temperatures and are able to withstand temperatures of up to 250°C and pressures from -15kpa up to 800kpa. The convoluted hoses will withstand temperatures in excess of 600°C and pressures in excess of 2000kpa at 250°C.

Our bituminous hoses are complemented by a full range of threaded hose connection fittings for bituminous materials. All of these fittings comply or exceed the requirements of AS 2475.

2 1/2" stainless steel 316 convoluted standard-flex hose with protective armour wire. Higher flexibility, lighter weight, fully welded hose seal, stronger and more secure fit of the AS2475 threaded hose connections



*2 1/2" galvanised bitumen interlocked hose with packing
Hose sealed by silicone packing*



*Bituminous hand bar hoses,
generally nine metres long fitted with
1" brass BSPT male end fittings*



Bituminous spray bar hoses, made to customer requirements shown in pictures are typical 3" SS316 Convoluted single braided Standard-flex with carbon steel table E flanges, one fixed and one floating and a 2 1/2" SS316 Convoluted single braided Standard-flex with carbon steel fixed table E flanges

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Hose Assemblies and Hose Fittings

The safe transport and transfer of hot bituminous materials requires the use of suitable equipment and proven practices to minimise the potential danger of being burned by either the hot bitumen or from the hot hose.

We carry a range of hoses in stock, but orders can generally be processed in one to three days. Our comprehensive range of AS 2475 fittings can usually be supplied ex-stock.

BF-1BR



Swivel nut available in Gunmetal bronze and Aluminium

BF-1AL



BF-2BR



BF-2AL



Gland nut available in Gunmetal bronze and Aluminium

BF-3BR



BF-3AL



Lock cone with 3" external thread available in Gunmetal bronze and Aluminium

BF-3BRT



BF-3ALT



Lock cone with 2 1/2" internal thread available in Gunmetal bronze and Aluminium

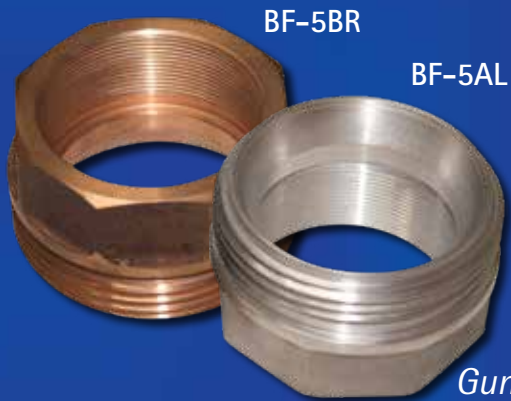
Hose Ferrule available in Gunmetal bronze only

BF-4BR



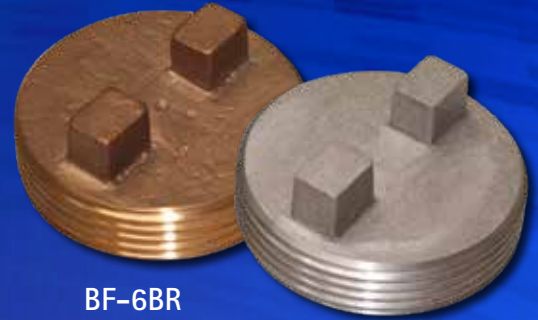
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Hose Fittings



Fixed Coupling Available in Gunmetal bronze and Aluminium

Dust Plug Available in Gunmetal bronze and Aluminium



Cap Assembly available in Gunmetal bronze and Aluminium



Fitting Spanner

BIT-SPAN

Testing of in service hose assemblies

In-service hoses must be visually inspected in the field monthly. They must also be tested annually to comply with industry standards. At our Sydney manufacturing facility we provide in house testing, certification and record storage for all of your Bitumen hose equipment. Hose cleaning, visual inspections, repairs and alterations can all be carried out normally in one to three days.

Relevant standards and Authorities

At Convoluted Technologies we have designed and manufactured all of our bitumen hose products to meet or exceed all relevant standards, design guides and codes of practice including ADG-7, AS 2475-2001, ISO 10380 and AAPA HS&E Guide No. 7. Convoluted Technologies is currently certified to ISO 9001:2008 for the design and manufacture of flexible metal hose assemblies and associated products.