

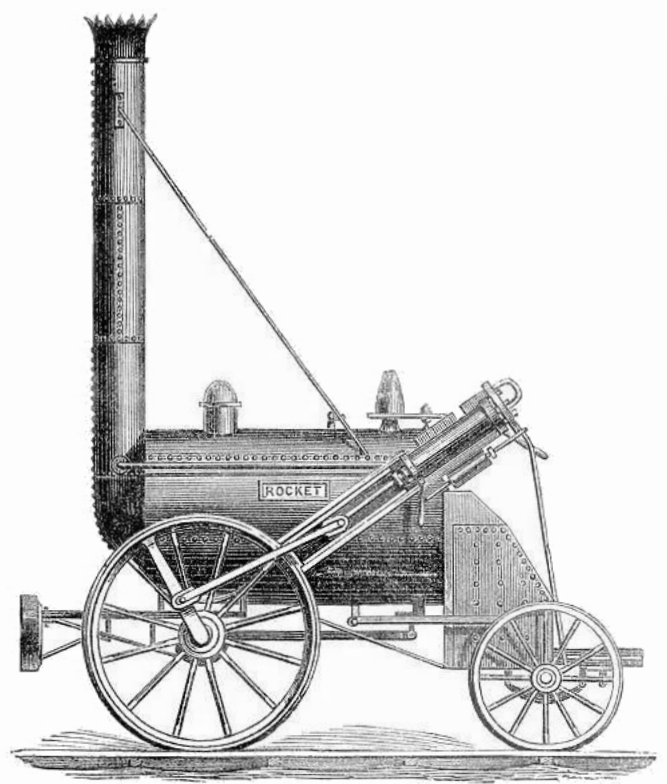
Argus Fluidhandling

Argus Fluidhandling – Railway Trivia

Few people know that low-pressure hydraulic hose and fittings products (of a type) have been around since ancient Greek times; however, the 1800s brought about hydraulic machines requiring the hose and fittings we are more familiar with today, although they did not utilise the crimped couplings we now have until later.

These hydraulic hose assemblies (with crimped, swaged or press-on-style hose couplings) did not appear until the invention of the hydraulic brake in the early 20th century (for automotive applications). The need for hydraulically operated equipment grew, especially in the expanding railway industry, for such equipment as cranes and hydraulic cylinders which subsequently generated a substantial market for higher pressure hydraulics and sparked a new demand for hydraulic hose assemblies to fulfil the host of new railway innovations and to be deployed in the manufacture of diesel engines and associated rail infrastructure.

The longest single journey on one train in the UK is from Aberdeen to Penzance, lasting 13.5 hours and covering 785 miles



After the Second World War manufacturing companies began fabrication of a one-piece brass hose coupling for use on the SAE 100R1-type hose which became the accepted industry norm.

Historically hose companies manufactured just hose products, and fittings companies produced just hose fittings, then separate hose assembly companies would fabricate the swaged-style hydraulic hose assemblies.

Although current expectations are that all hydraulic suppliers manufacture a matched hose and fittings range, in the mid-20th century it was common practice

to mix and match hose and fittings from multiple suppliers resulting in poor life expectancy of equipment and quality of the assemblies.

This practice continued until innovations in materials, manufacturing processes and a worldwide distribution of hose assemblies made hydraulics production in the late 20th and now 21st centuries far more technically advanced and considerably more reliable than in prior years.

Argus Fluidhandling Ltd specialises in the manufacture of hose assemblies, rigid tube assemblies and structures for OEM markets throughout the world. Our history goes back over 80 years to 1941. We have grown considerably in size, product knowledge and experience since those days with some memorable moments shaping our direction along the way.

Specifically designed for the rail sector, we provide an excellent hose called RailSAFE that meets the requirements of NF F 16-101 – BS6853 and EN45545-2 and has been specifically developed for the rail sector utilising the knowledge gained through our relationship with this sector over many years.

- Part code: RailSAFE AF45 Hose range – EN45545:2013-approved
- Manufacturer: Argus Fluid Handling – Alfagomma

Additionally, we are so confident in our RailSAFE hose we are subjecting the RailSAFE AF45 hose range to an extended one million cycle input test. The AF45 hose range is designed specifically for the rail industry and is often used to replace the standard EN854 R3 hose for railway air brake applications.

Furthest reaches of the National Railway Network

Thurso in Scotland

Arisaig in Scotland



Lowestoft in Suffolk

Penzance in Cornwall



Group capabilities include:

- Hose development and validation
- Hose assembly manufacture, small & large
- Fitting design & manufacture
- Tube bending
- Laser profiling
- Robotic welding
- CNC machining

Certified to ISO9001: TS16949: ISO14001

Argus Fluidhandling – has designed and manufactured extremely reliable and cost-effective hydraulic hose, fittings and hydraulic accessories for the rail industry for over 60 years.

For more information contact Joe Mack, Business Development Manager, ARGUS

+44 (0)7595 821434

joe.mack@hiflex-europe.com

www.argusfluidhandling.com

