

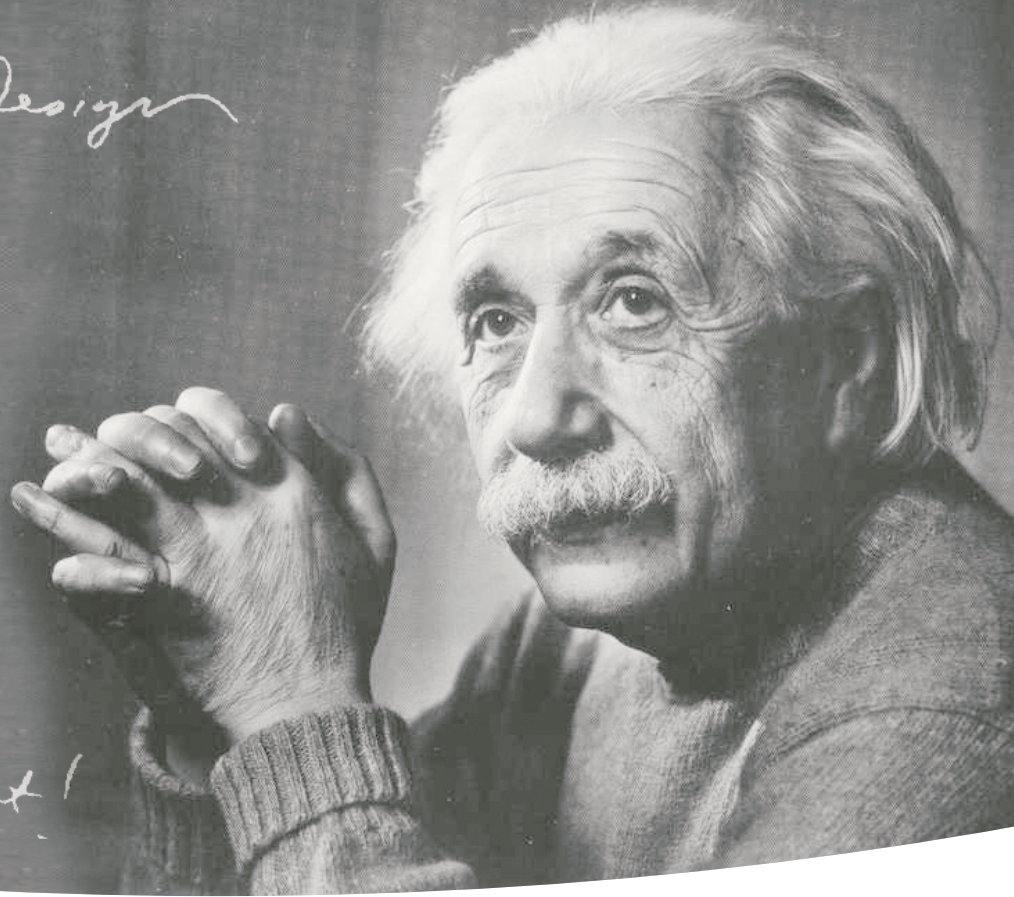
Nupi Piping Design



*high performance
engineering thermoplastics*

= SMARTFLEX

= smart containment!



No other piping is as smart as NUPI.
It's your your wisest choice for
underground fuel storage use.



SMARTFLEX®

Forgeweld is proud to be the preferred South African agents and distributors for NUPI products. NUPI SpA of Italy has been a global leader for the past 35 years in the development and production of High Density Polyethylene (HDPE) thermoplastic piping systems.

forgeweld

LEADERS IN STEEL TANK MANUFACTURE, SINCE 1963.





NUPI has particular experience in the production of polymer pipes specifically dedicated to oil markets, chemical and petrochemical plants.

Hydrocarbon and corrosion resistant

The SMARTFLEX and SMARTCONTAINMENT systems feature multi-layered piping: an outer casing of High Density Polyethylene (HDPE), with an internal lining of high-performance engineering thermoplastics.

Piping-joint components consist of electro-welded fittings manufactured from proprietary materials and technologies that ensure a high level of corrosion resistance and hydrocarbon compatibility unattainable by other fuel pipes on the market.

Numerous major international petroleum companies approve and use SMARTFLEX and SMARTCONTAINMENT.

SMARTFLEX - Outclassing the rest of the field

The internal lining of the SMARTFLEX single wall pipe is colour-coded to allow for the correct matching of product and application.

SMARTFLEX piping provides exceptional long-term resistance to pressure, is highly resilient and ensures superior chemical resistance.

Safe, corrosion-free fittings

The SMARTFLEX system offers a vast range of fittings, including couplers that are electro-welded to be safe, corrosion-free and leak-proof, plus spigots, mechanical fittings and entry boots.

With the exception of the mechanical fittings, all items are provided with welding witnesses, which "pop up" as welding proceeds, thus allowing the installer to keep a record of installed fittings.

Proprietary materials and technologies ensure a unique degree of hydrocarbon resistance, placing the SMARTFLEX system way ahead of competitors in its field.

SMARTCONTAINMENT - NUPI's greatest piping innovation yet Quick, easy, effective containment

SMARTCONTAINMENT consists of a high-pressure double-wall piping system - effectively a 'pipe inside a pipe', providing for more demanding containment and monitoring requirements.

The inner pipe consists of the SMARTFLEX system (described above), running inside a second pipe, similarly constructed from HDPE.

The internal and external pipes are connected by SMARTCONTAINMENTPLUS fittings. These allow a continuous interstice, as well as pressure testing and monitoring using test ports fitted with quick-fit connectors and a pressure medium such as nitrogen.

SMARTCONTAINMENT eliminates the use of costly sumps, which are replaced by small pans located beneath each dispenser. In addition, SMARTCONTAINMENTPLUS fittings make the installer's job quicker and easier as adapters welded directly to double wall fittings reduce the number of required junctions.

Leak monitoring systems and a comprehensive range of tools and equipment for correct system installation complete the SMARTFLEX/SMARTCONTAINMENT range.

We're happy to help you

Correct installation requires appropriate tools and installer training. It is important that piping is transported and handled correctly at all times and that the handler abides by all instructions relating to cutting, cleanliness and welding. Forgeweld is happy to provide its customers with the necessary help and guidance.

Packaging: Pipes measuring 90 mm and less are usually supplied in coils or straight lengths of 5.6 m, while those measuring 110 mm and larger are always supplied in 5.8 m lengths.

For more details or to order, please contact your nearest Forgeweld office.

LEADERS IN STEEL TANK MANUFACTURE, SINCE 1963. FORGEWELD'S MISSION IS TO BE A LEADER IN FUEL STORAGE SYSTEMS BY PROVIDING ENVIRONMENTALLY FRIENDLY, INNOVATIVE, COST-EFFECTIVE, INTERNATIONALLY ACCREDITED PRODUCTS AND SERVICES.

Gauteng offices: PO Box 472, Hammanskraal 0400 • 101 3rd Street, Babalegi 0407, Gauteng, South Africa • Tel: +27 (0)12 719 9052 • E-mail: info@forgeweld.com • Website: www.forgeweld.com
KZN offices: PO Box 271, Mandini 4490 • 13 Blue Street, Isithebe 4491, KwaZulu-Natal, South Africa • Tel: +27 (0)32 459 2382 • E-mail: info@forgeweld.com • Website: www.forgeweld.com