PETROL HOSE COUPLINGS

EN 14424

STANDARD

Petrol hose couplings complying with EN 14424 are hose fittings with screwed ferrules for use with rubber and thermoplastic hoses carrying flammable and non-flammable liquids or gases.

OPERATION

The hose is fully inserted into the threaded ferrule. The hose can be accurately positioned using the inspection hole in the ferrule. The male or female hose shank is inserted into the hose and screwed into the ferrule. The inside of the hose shank consists of two opposing grooves. When male or female hose shanks are screwed into the ferrule, the assembly is tightened using a specially-designed petrol hose wrench, which slides over the two opposing grooves. When the petrol hose coupling is tightened, the threaded ferrule is pressed up to the hose.

APPLICATION

For the assembly of:

1. Fuel dispensing hoses
2. Liquid natural gas hoses (LPG)
3. Tank truck hoses
4. Hoses for liquids and chemicals

WORKING PRESSURE

Minimum -0.8 bar / 11.6 psi
Maximum 16 bar / 232 psi

TEMPERATURE

-20°C / - 4 °F to + 65°C / 149 °F

Hose, coupling, assembly method and seal must be chosen in relation with the desired application and temperature range.

MATERIAL

- Coupling
  Brass CW614N EN12420

- Seal
  PU

ASSEMBLY

Threaded ferrule

THREADS

Male part

Male thread - connection side:	EN 10226-1, BSPT
	EN ISO 228-1, BSP and ANSI B.1.20.1, NPT on request
Male thread - hose side:	Metric ISO thread complying with DIN 13
Female thread ferrule:	Metric ISO thread complying with DIN 13

Female part

Female thread - connection side:	EN ISO 228-1, BSP
Male thread - hose side:	Metric ISO thread complying with DIN 13
Female thread ferrule:	Metric ISO thread complying with DIN 13