

FOGS

Double wall pipework for fuel furnaces & emergency generator systems



- Complies with EN14125 - A1
- Secondary contained pipework
- Manually installed couplings
- Quick and easy installation
- Installed in continuous runs
- Primary pipes remain retractable
- Multiple primary pipes fit in secondary duct

The logo for CGH Belgium features a stylized 'C' and 'G' in blue and yellow, followed by the letters 'CGH' in a large, bold, black sans-serif font. Below 'CGH' is the word 'Belgium' in a smaller, italicized black font.

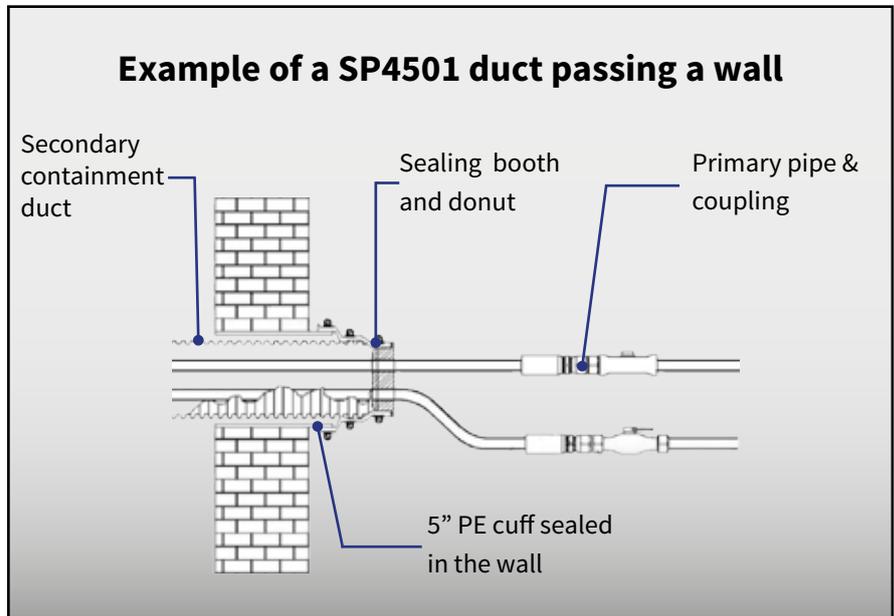
CGH
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Retractable primary pipes

Easy and quick to install

The primary pipes, supplied in coils of 50 or 100m are installed in secondary ducts supplied in coils of 50m and 76m. Ducts can be connected to each other when longer lengths are required. According to the duct's diameter, multiple primary pipes can be inserted in one duct (2 to 3 in the SP3501 and SP4501, and up to 4 in the SP6001 duct). The primary pipes remain retractable without excavation. Manually installable couplings with swivelling nuts and BSPT adaptors are supplied for completion of the pipe work on site. 'EASY FIT' pipe entry fittings combined with specific sealing donuts ensure liquid tightness in the tank chamber and when passing the wall or the floor slab of the technical room.

Installation instructions and handy table with necessary references for sealing the FOGS Secondary contained pipework available on demand.



Double wall pipework for fuel furnaces & emergency generator systems

Computer data centres rely on complex power backup systems involving diesel-generator units. Double wall FOGS pipe systems are being installed between tanks, pump room and the generator.

Several double wall storage tanks, each with a capacity ranging between 100m³ to 120m³, are buried in the vicinity of the building. Liquid tight access chambers are installed on each manway.

A typical data centre has an underground fuel storage capacity ranging from 300m³ to 800m³ to feed the generator units. The remote fill points, installed in a liquid tight chamber, centralizes the 4" fill lines (one to each of the 4 underground tanks as well as a 2 1/2" lubricant oil delivery line and a 2 1/2" used lubricant oil suction line. All pipe runs are double wall, flexible pipework.

The feed & return line from tank to generator room runs into secondary ducts. Between 1 to 4 primary lines can be inserted into secondary ducts with diameters 3 1/2", 4 1/2" and 6". Both primary pipes and secondary ducts are laid in continuous runs, without buried inaccessible joints. At both ends the primary pipes are sealed with the secondary duct by means of flexible boots and special donuts. The boots are equipped with a valve for eventual continuous monitoring of the interstitial space.

Already dozens of references including: France Télécom, EDF France, Natixis (FR), Belgacom (Be), Hospital in Leuven (Be) & University of Ghent (Be).



Specifications

Part numbers	PP0500 - PP0750 - PP1000 - PP1250 RC0501 - RC0751 - RC1001 - RC1251 SA0501 - SA0751 - SA1001 - SA1251 SP3501 - SP4501 - SP6001	Primary pipes Coupling for the primary pipes Adaptors for couplings Secondary ducts													
Application	Heating oil furnaces / Emergency diesel generator systems. Pressure and suction applications AdBlue dispensing facilities														
Composition	Pipes	The inner liner in Nylon Zytel ST811 Reinforcement braid in Polyester fibres Outer jacket in Urethane-polyether													
	Couplings and adaptors:	Carbon Steel for all sizes Stainless steel 304 for the 1" and 1 1/4"													
Dimensions	<table border="1"> <thead> <tr> <th>PP0500</th> <th>PP0750</th> <th>PP1000</th> <th>PP1250</th> </tr> </thead> <tbody> <tr> <td>I.D. : 12,8mm</td> <td>I.D. : 19,2mm</td> <td>I.D. : 25,4mm</td> <td>I.D. : 31,75mm</td> </tr> <tr> <td>O.D. : 19,8mm</td> <td>O.D. : 26,9mm</td> <td>O.D. : 34,3mm</td> <td>O.D. : 44mm</td> </tr> </tbody> </table>			PP0500	PP0750	PP1000	PP1250	I.D. : 12,8mm	I.D. : 19,2mm	I.D. : 25,4mm	I.D. : 31,75mm	O.D. : 19,8mm	O.D. : 26,9mm	O.D. : 34,3mm	O.D. : 44mm
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Operating temp.	Max. 50°C (temperature of the transported fuels)														
Installation temp.	Lowest allowed ambient temp. -5°C														
Operating pressure	Max. 5bar														
Test pressure	Max. 5bar														
Burst pressure	Min. 35bar														
Vacuum	Max. 660mm mercury (Hg)														
Couplings	Manually installed, no special tools required. <ul style="list-style-type: none"> ▪ RC0501: 1/2" female, cone seat, tapered, BSP thread ▪ RC0751: 3/4" female, cone seat, tapered, BSP thread ▪ RC1001: 1" female, cone seat, tapered, BSP thread ▪ RC1251: 1 1/4" female, cone seat, tapered, BSP thread The couplings must always be used in combination with the adaptors SA0501, SA0751, SA1001 and SA1251														
Bend radius:	<ul style="list-style-type: none"> ▪ min 60cm for the SP3501 secondary duct (O.D. : 90mm) ▪ min 90cm for the SP4501 secondary duct (O.D. : 125mm) ▪ min 120cm for the SP6001 secondary duct (O.D. : 147mm) 														
Installation	The PP0500, PP0750, PP1000 and PP1250 pipes are always installed in the secondary ducts SP3501, SP4501 or SP6001														
Certification	EN14125-A1														
Packaging prim. pipes	PP0500, PP0750, PP1000, PP1250 : 50m or 100m/reel (longer coil lengths available on demand)														
Packaging sec. ducts	SP3501 : 50m, SP4501 : 76m , SP6001 : 76m Secondary ducts can be connected to each other with interconnection boots														
Weight per meter	PP0500: 0,18 kg/m PP0750: 0,28 kg/m	PP1000: 0,42 kg/m PP1250: 0,70kg/m													
Customs code	Primary pipes:	3917 3231													
	Coupling and adaptor for the primary pipes:	7307 2910													
	Secondary ducts:	3917 3300													



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