

Prijslijst Nederland
geldig vanaf februari 2024

COOL-FIT 4.0





+GF+ COOL-FIT

+GF+ COOL-FIT + 0

GF Piping Systems

Building the lifelines of the world

GF Piping Systems is the global specialist for the safe and reliable transportation of water, chemicals, and gas. Customers in more than 100 countries implement our solutions to work more safely, efficiently, and cost-effectively.

Your partner for modern plastic systems

Customers in more than 100 countries are already working with the plastic piping systems that GF Piping Systems introduced more than 60 years ago. They are maintenance-free, resistant to corrosive and aggressive media, and are extremely durable. Their low weight, compared to metal systems, reduces static and logistic requirements. An innovative design and modern jointing technologies allow faster and easier installations. All this helps our customers to work more safely, efficiently, and cost-effectively. Support throughout the transition from metal to plastic systems is a key focus for our specialists.

+ Maintenance-free plastic

Plastics are corrosion-free and maintenance-free. They have excellent chemical resistance and last as long as the system itself, which is more than 25 years.

+ Complete system solutions

Our portfolio of more than 60,000 products offers complete system solutions, meaning you get perfectly matched components from a single source.

+ Local support

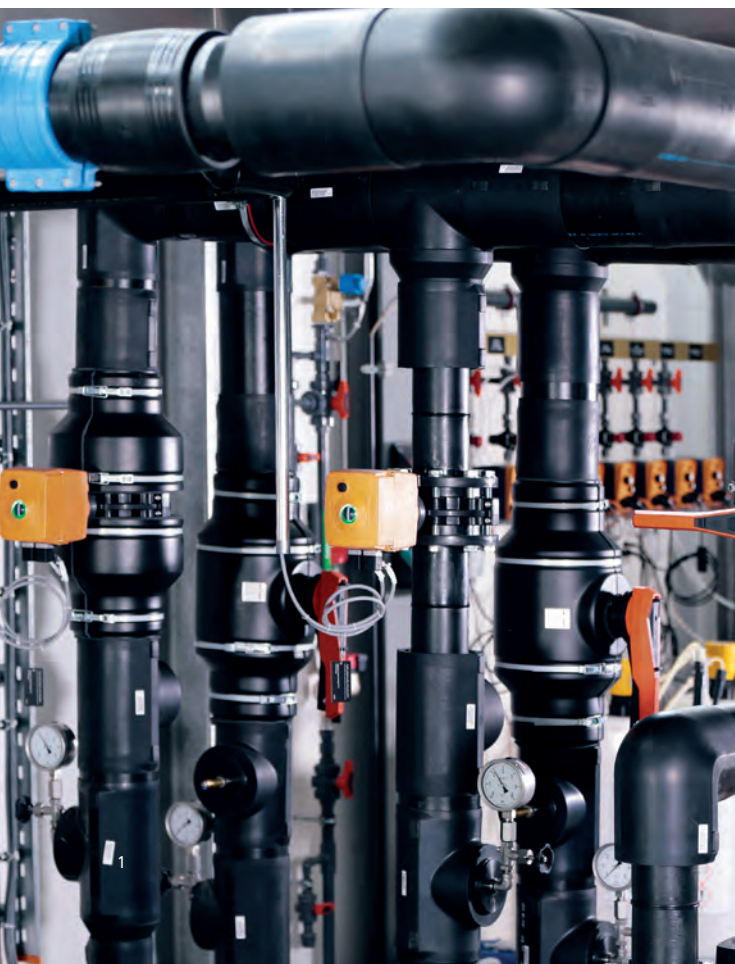
GF Piping Systems specialists are located in 34 countries and are therefore always close at hand, meaning that advice and on-site practical assistance is never far away.

+ Partner in all project phases

The specialists from GF Piping Systems support you throughout all phases of your project – starting from the planning stage, right through to commissioning. This reduces both the time required and risks.

+ Many years of experience

GF Piping Systems is a division of Georg Fischer AG, based in Schaffhausen, Switzerland, which was established in 1802. You benefit from our many years of experience.





Efficient cooling with COOL-FIT 4.0

Poor insulation and corroding piping in cooling systems are more than just a nuisance, they pose a hazard to production safety and product quality. Moreover, they cause unnecessarily high maintenance and energy costs. GF Piping Systems offers solutions to help you to optimize your cooling system from the ground up. These solutions ensure continuous production processes, reduce operational downtimes due to leakages and other corrosion damage, and cut your maintenance and operating costs.

The pre-insulated COOL-FIT 4.0 piping system for commercial and industrial refrigeration is particularly beneficial for food and beverage manufacturers and processors. On the following pages, you will find out more about safe and efficient cooling with COOL-FIT 4.0 and how this system can support you.

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COOL-FIT

Safe, efficient cooling has never been so easy



COOL-FIT is the successful range of pre-insulated plastic piping systems from GF Piping Systems. It makes cooling applications more efficient than ever before – in all phases of your project. COOL-FIT simplifies planning and installation through superior design, pre-insulation, low weight, and modern jointing technologies. COOL-FIT reduces costs through completely maintenance-free operation, energy efficiency, and longevity (more than 25 years). COOL-FIT is environmentally friendly, thanks to its low carbon dioxide emissions throughout the entire service life of the product. The specialists at GF Piping Systems support you in this during all project phases.



100% maintenance-free

The media pipe, insulation, and jacket are made of plastic and therefore remain corrosion- and maintenance-free throughout the entire operating life of the system. This reduces expensive downtimes and lowers maintenance costs and personnel requirements.

100% reliable

The especially smooth interior surfaces of the medium pipe, typical for plastic systems, prevent deposits. The result: no loss of pressure over the entire service life. COOL-FIT remains as efficient as on its first day of operation.

65% less weight

COOL-FIT is significantly lighter than traditional metal systems and therefore places lower structural demands on buildings and supporting structures. The use of heavy transport aids can be reduced at the construction site.

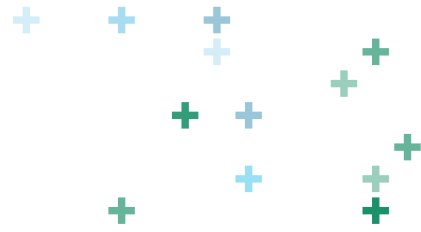
50% faster installation

Factory pre-insulation eliminates the need for traditional insulation after the installation, which often requires a second team. You receive finished and permanently pre-insulated components, ready for immediate installation.

30% higher energy efficiency

In combination, the low thermal conductivity of plastic and the highly efficient foam insulation increase the energy efficiency of your system. This helps you to save energy costs and makes your work more environmentally friendly.





COOL-FIT 4.0

Maximum safety and efficiency for your production

COOL-FIT 4.0 is cutting-edge technology for users with the highest demands for production and process safety and for the storage of food. The pre-insulated piping system helps food and beverage manufacturers and processors to work at the highest level of safety and efficiency and to reduce costs.

Industrial and commercial refrigeration involves much more than just regulated temperatures. The focus is on production and process safety as well as the preservation of stored food. COOL-FIT 4.0 is the perfect solution for food and beverage manufacturers and processors.

COOL-FIT 4.0 is the pre-insulated piping system for secondary cooling with brine, glycol, ethanol, and chilled water. It is ideal for temperatures ranging from -50°C to 60°C . COOL-FIT 4.0 is cutting-edge technology that benefits fruit and vegetable processors, slaughterhouses, breweries, and supermarkets in particular. COOL-FIT 4.0 helps you to work with maximum efficiency and without disruption, while simultaneously reducing your maintenance and operating costs.

COOL-FIT 4.0 has the advantages of all COOL-FIT products compared to traditional metal systems:

- 100 % maintenance-free
- 100 % reliable
- 65 % less weight
- 50 % faster installation
- 30 % higher energy efficiency

In addition, COOL-FIT 4.0 offers further key benefits:

Connected within just a few minutes

COOL-FIT 4.0 allows for the simplest, safest, and fastest possible installation – no unnecessary or complicated tasks. The system can be installed neatly and easily. Electrofusion permanently connects pipes, fittings, and valves in just a few minutes.





COOL-FIT for the environment

COOL-FIT helps you to work in a more environmentally friendly and energy-efficient manner.

Compared to post-insulated metal systems, COOL-FIT is considerably more environmentally friendly and helps to work more energy-efficiently. For example: a cold store uses 1500 meters of piping to transport cold water for the cooling system. COOL-FIT releases about 100 tons carbon dioxide less than a metal system during production and operation. This saving is equivalent to a journey of 446,000 kilometers by car.

Outdoor installation

COOL-FIT 4.0 can also be installed outdoors without any problems. All surfaces are sealed, weatherproof, and UV-resistant. The sealing lip of the fittings surrounds the pipe and thus reliably protects the insulation from water and ice, ensuring a long service life.

Constant quality control

Thanks to the very few installation steps and the use of electrofusion as the jointing technology, COOL-FIT 4.0 enables a degree of control that was previously impossible. Installation errors are largely excluded from the outset, which ensures a system of the highest possible quality.

Clean and elegant system

Installing COOL-FIT 4.0 is safe and clean: no crumbling insulating foam, no sticky insulating tape or filling material, no open flame for closing the seals. The result is also aesthetically appealing, which is important for accessible plants and customer visits.



+ Carbon dioxide emission



+ Energy loss



COOL-FIT is on average 30 percent more energy efficient than metal piping systems that were subsequently insulated with rubber-based foam, in an otherwise identical installation.

COOL-FIT 4.0

Leading technology for easy installation and longevity

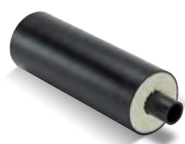
COOL-FIT 4.0 is the result of years of development by our engineers with the aim of making the system even easier and faster to install, yet at the same time, remaining as safe, reliable, and durable as you expect from all GF Piping Systems solutions. Many crucial details contribute to this.

System properties

Materials *	Media pipe	PE100
	Insulation	GF HE foam, halogen-free, closed-pore
	Outer jacket	Pipe: HDPE (basic version), fitting: GF-HE
Dimensions		d32 mm (DN25) – d450 mm (DN450)
Joining technology		Electrofusion joint
Pressure level	d32 – d110	PN 16 bar, SDR 11
	d160 – d450	PN 10 bar, SDR 17
Insulation	Thermal conductivity λ at 20°C	≤ 0.022 W/mK (d32 – d110), ≤ 0.026 W/mK (d160 – d450)
	Density	≥ 70 kg/m ³
	Foam cell size	max. \varnothing 0.5 mm
	Thickness (nominal value)	40 mm
Temperature	Medium	-50 °C to 60 °C (ambient -30 °C to 60 °C)
Weight (without liquid)	Pipe d32 mm	1.41 kg/m
	Pipe d225 mm	16.6 kg/m
	Pipe d450 mm	55.5 kg/m
Environment	Resistance	Moisture- and vapor-proof
	Ozone Depletion Potential (ODP)	Zero
Standards	EN ISO 15494	Plastic piping systems for industrial applications – Metric series
	ISO 7	Fittings
	EN ISO 16135, EN ISO 16138	Industrial valves

* All three materials are permanently connected.

System components



Pipes



Fittings



Transitions



Valves



Flexible hoses



Tools



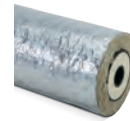
+ Fire prevention classes COOL-FIT 4.0 EN13501-1

COOL-FIT 4.0

COOL-FIT 4.0F

only d160/D250 mm
and d225/D315 mm

COOL-FIT 4.0 Mineralwool



EN 13501-1

E

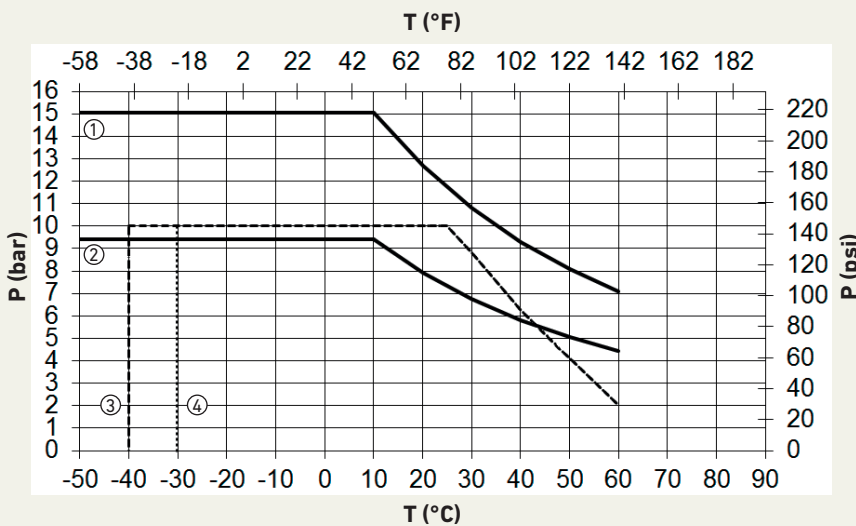
B - s2, d0

A2_L

Pressure / Temperature

Medium: Water

Minimum service life: 25 years



Note: With a water/glycol mixture ≤ 50%, the reduction factor for the pressure/temperature diagram 1.1 for pipes and fittings, and 1.7 for valves.

For PN16 or PN10 the safety factor is 1.25

P Operating pressure of the medium (bar, psi)

T Temperature of the medium (°C, °F)

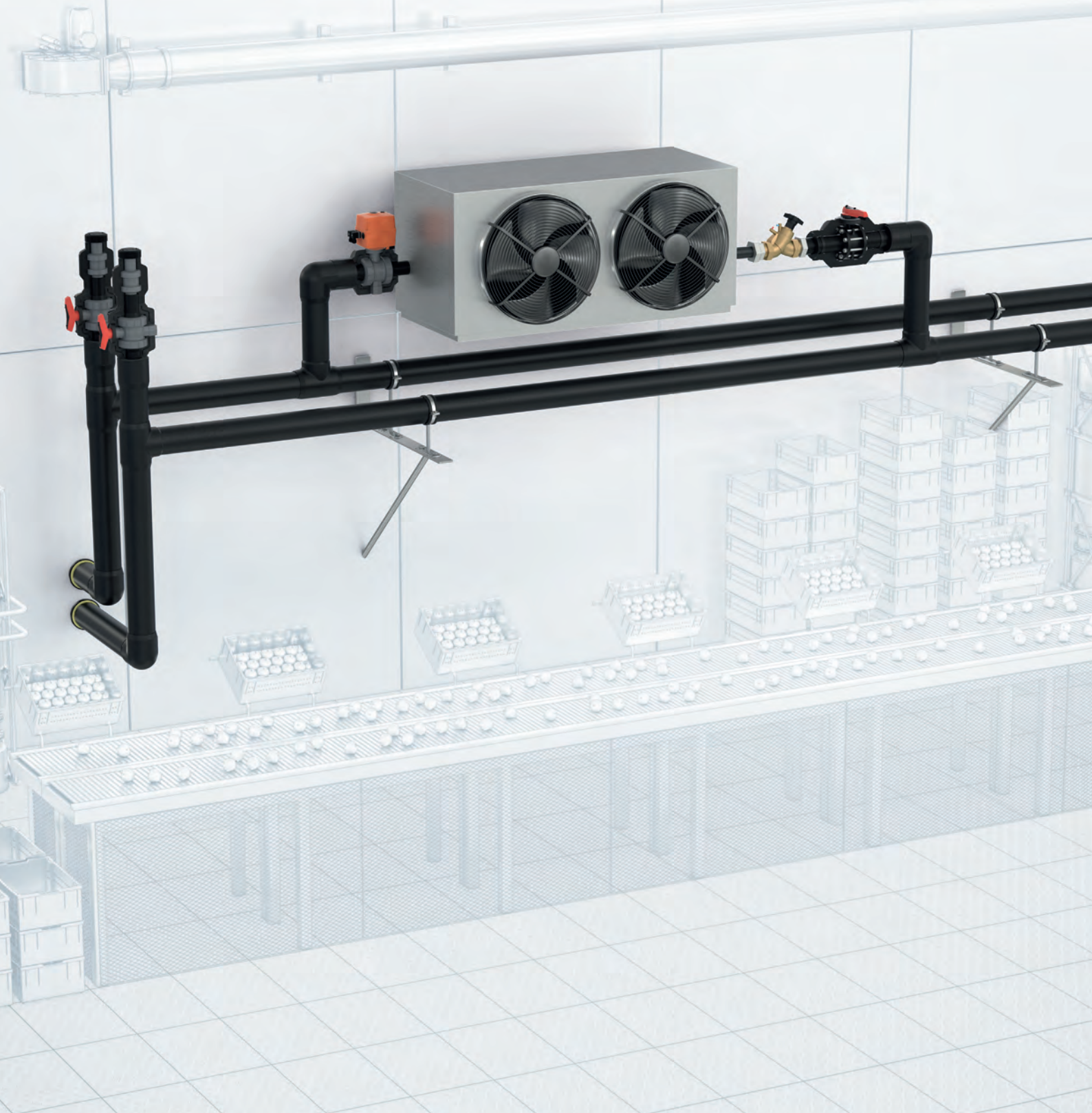
C Safety factor

- ① COOL-FIT 4.0 pipe and fitting d32/D90 – d110/D180, C=1.6, SDR11
- ② COOL-FIT 4.0 pipe and fitting d160/D250 – d450/D630, C1.6, SDR17
- ③ COOL-FIT 4.0 ball valve PN10
- ④ COOL-FIT 4.0 butterfly valve PN10

Food and Beverage Production

Reduced production costs

During the manufacturing and processing of food and beverages, reliable cooling is essential for production that is both faultlessly hygienic and economically efficient. COOL-FIT 4.0 eliminates the risk of downtimes caused by corrosion damage in the cooling system and helps to comply with increasing environmental regulations. COOL-FIT 4.0 is ideal for conversion of secondary cooling systems and connection to existing systems.





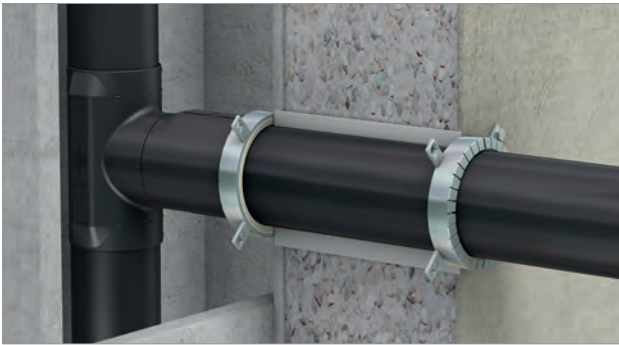
Easy transitions to metal systems

The COOL-FIT 4.0 adapter fittings enable simple and fast transition to metal systems, valves, end devices, and chillers, allowing for effortless connection of adjacent systems.



Pre-insulated electrofusion fittings

The range of COOL-FIT 4.0 fittings includes pre-insulated elbows, tees, couplers, and reducers. Electrofusion ensures secure joints within just a few minutes, with integrated quality control.



Certified fire protection collars

Often, food and beverage production take place across several compact production areas. In the event of a fire, the fire protection collars reliably seal them off from each other for up to 120 minutes. Tested and certified by ROKU® System AWM II from ROLF KUHN GmbH, BIS PaciFyre® AMW II van Walraven (Approval: ETA 1710753) and with the Hilti Firestop collar



Proven fixed point solutions

The fixed point solutions from GF Piping Systems can be welded easily onto the outer jacket. They ensure professional, tension-free installation of COOL-FIT 4.0, even under difficult fitting conditions.

Your benefits

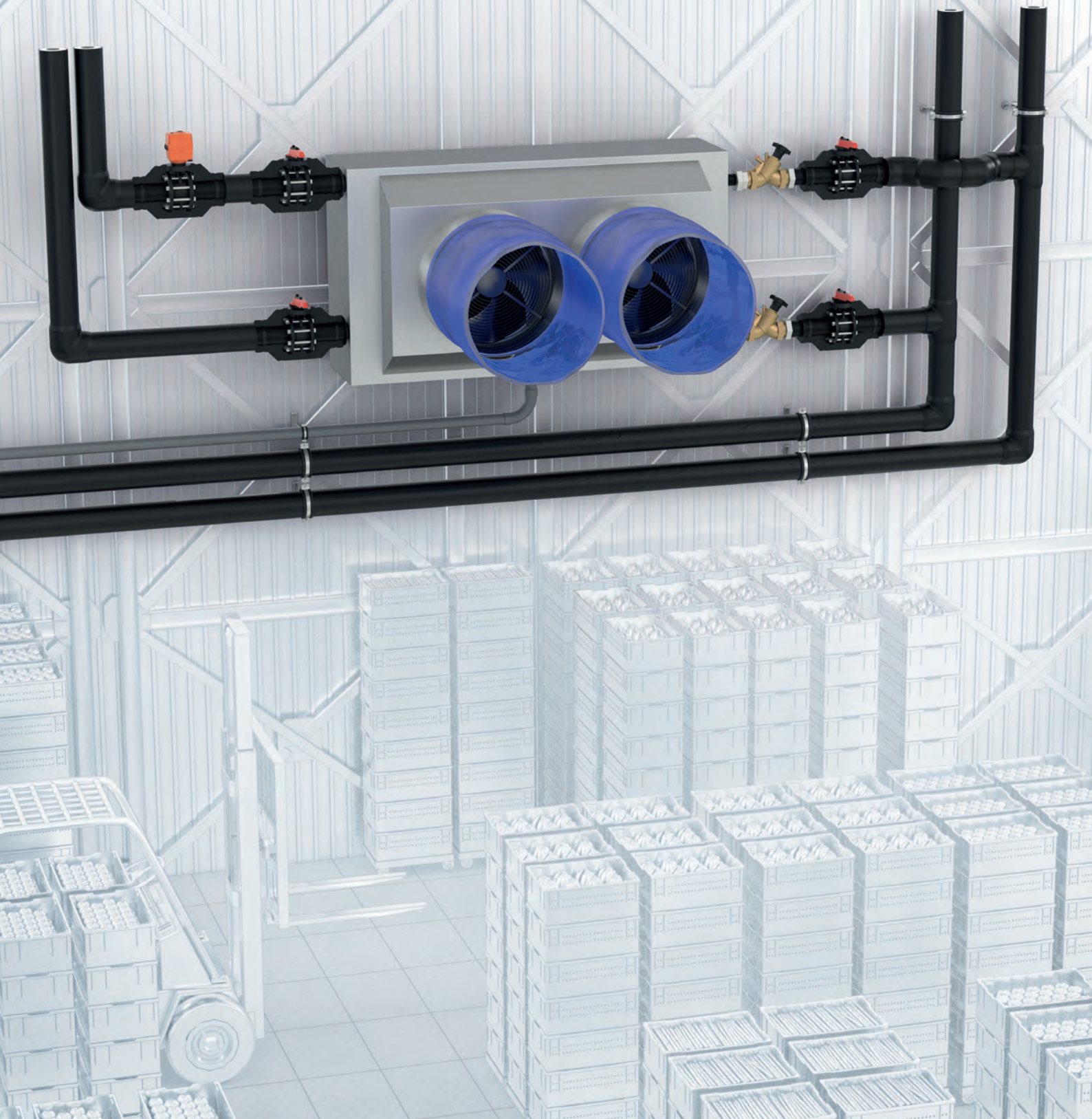
- Highest degree of protection from production downtimes and loss of goods caused by corrosion damage
- Ideal for conversion to secondary cooling to meet environmental regulations
- Fast installation and commissioning with pre-insulation and electrofusion
- Support throughout all project phases provided by local specialists from GF Piping Systems



Cold Stores

Safety throughout the cold chain

In cold stores, the reliability of the system determines the preservation of the stock and thus the economic base of the company. COOL-FIT 4.0, as a high-quality plastic system, eliminates the risk of interruptions in the cold chain and product losses due to corrosion. The system can also be installed outdoors, if required. The outstanding insulation properties of COOL-FIT 4.0 make it possible to reduce cooling costs and to work more profitably.





Pre-insulated pipes for fast installation

In cold stores, long, straight pipe sections are common due to their often considerable size. The pre-insulation of COOL-FIT 4.0 supports fast installation, with all pipes stripped at both ends at the factory.



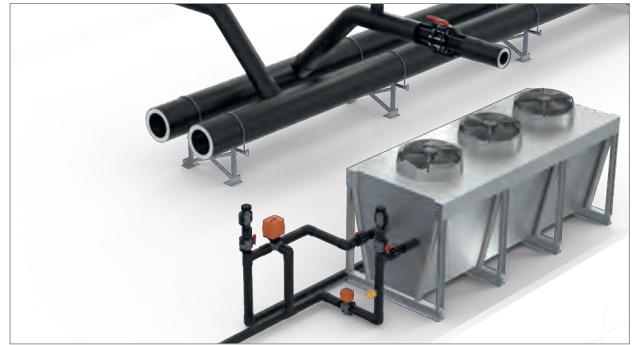
Uncomplicated flange connections

Connection to existing metal systems is made straightforward with the use of flange connections. The COOL-FIT 4.0 range includes the appropriate flange adaptor, which is precisely encased by the insulation shells.



Pre-insulated butterfly valves

In addition to ball valves, butterfly valves are among the most frequently used valves in cold stores. They are pre-insulated in the COOL-FIT 4.0 system, just like all other system components. They are available from d110 to d225 as standard.



Safe even when installed outdoors

In order to use production areas efficiently, it is often necessary to relocate part of the installation outdoors, such as on the roof. No problem for COOL-FIT 4.0: the system is watertight, weatherproof, and resistant to UV radiation.

Your benefits

- Highest degree of protection against system failures by means of corrosion-free plastic components
- Safe outdoor installation (e.g. on the roof) without any additional protective elements
- Fast installation and commissioning with pre-insulation and electrofusion
- Support throughout all project phases provided by local specialists from GF Piping Systems



Breweries

Corrosion-free production

Corrosion resistance is particularly important in breweries, because to the constant use of water and liquid primary products. COOL-FIT 4.0, as a pre-insulated plastic system, is ideal for this use, especially for control and conditioning the fermentation. The installation in historical production buildings and irregularly shaped storage cellars can be challenging. Our local specialists are available to support you during each project phase.





Electrical valves with pre-insulation

In addition to butterfly valves, the COOL-FIT 4.0 range includes ball valves, operated manually or electrically. They are pre-insulated, as is the entire system, and are therefore as quick and easy to install as all the other components.



Flexible hoses for the tanks

Fermentation tanks often have no clearly defined angles on their slightly irregular arched undersides, making it difficult to install normal fittings. Here, pre-insulated flexible hoses ensure a secure connection.



Installation fittings for sensors

Sensors for measuring pressure, temperature, and other variables can be easily integrated with installation fittings. The sensors are screwed in, drilling is not necessary. This method reduces the risk of leakage.



Range of tools and training

The tools from GF Piping Systems enable the installer to achieve a fast and high-quality installation of COOL-FIT 4.0. Our local specialists also provide support with training sessions, if required.

Your benefits

- **Cost reduction thanks to a corrosion-free, and thus maintenance-free, piping system**
- **Flexibility during system planning thanks to a wide range of pre-insulated components**
- **Fast installation and commissioning with pre-insulation and electrofusion**
- **Support throughout all project phases provided by local specialists from GF Piping Systems**



Installation

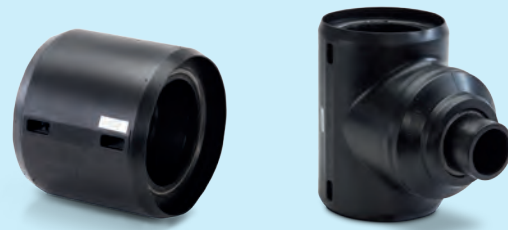
Joined in minutes by electrofusion

The COOL-FIT 4.0 pipes, fittings, and valves can be connected neatly, easily, and within just a few minutes by electrofusion. On this page you can find the most important processing steps and the technical differences among the dimension ranges d32 - d225 and d250 - d450.

Diameter d32 - d225

Features & Processing steps nominal

- The pipes are already stripped and peeled on delivery
- A sealing lip seals the insulations from each other
- All fittings are available as an electrofusion version



Clean the fusion zones of the fitting and pipe using a clean cloth.



Place the mounting aid on the fitting. Stretch the sealing lip pressing the handles together.



Slide the ends of the pipe into the fitting as far as the marking. Then remove the mounting aid.



Connect the welding cables to the welding contacts of the fitting and weld according to the instruction manual.

Here you can find the video tutorial for the installation
gfps.com/cf4-installation-d225



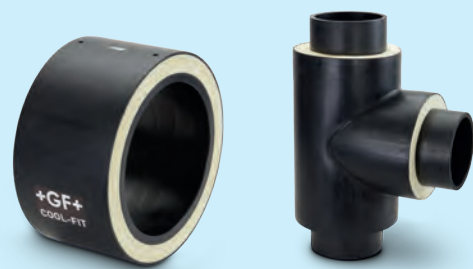
One of the most significant benefits of COOL-FIT 4.0 is the clean, simple, and fast installation by electrofusion. Even plumbers without any training in welding find it easy to install COOL-FIT 4.0 and check the quality of the installation.



Diameter d250 - d450

Features & Processing steps nominal

- Pipes and fittings must be peeled before installation
- Insulations are sealed from each other with a sealing tape and shrink sleeves
- Spigot fitting (type B) connected with electrofusion coupler (type A)



Peel the ends of the pipe and fitting type B and clean the fusion zones of the fitting and pipe using a clean cloth.



Slide-on the shrink sleeves and push the pipe ends up to the stop into the electrofusion coupler.



Connect the welding cables to the welding contacts of the fitting and weld according to the instruction manual.



Seal the jointing face between the fitting and pipe with sealing tape and shrink the shrink sleeves.

Here you can find the video tutorial for the installation
gfps.com/cf4-installation-d450



COOL-FIT 4.0

Heat Tracing

Frozen pipes can cause high costs. When water-filled COOL-FIT pipes are exposed to temperatures below zero °C without circulation and for extended periods of time, the water freezes and proper operation of the cooling system can no longer be maintained.

The heat-tracing system for COOL-FIT 4.0 offers an effective solution for the freeze protection of COOL-FIT lines. The self-regulating heating tape in combination with the insulation of the COOL-FIT 4.0 pipe system prevents the cooling pipe from freezing..

+ Function

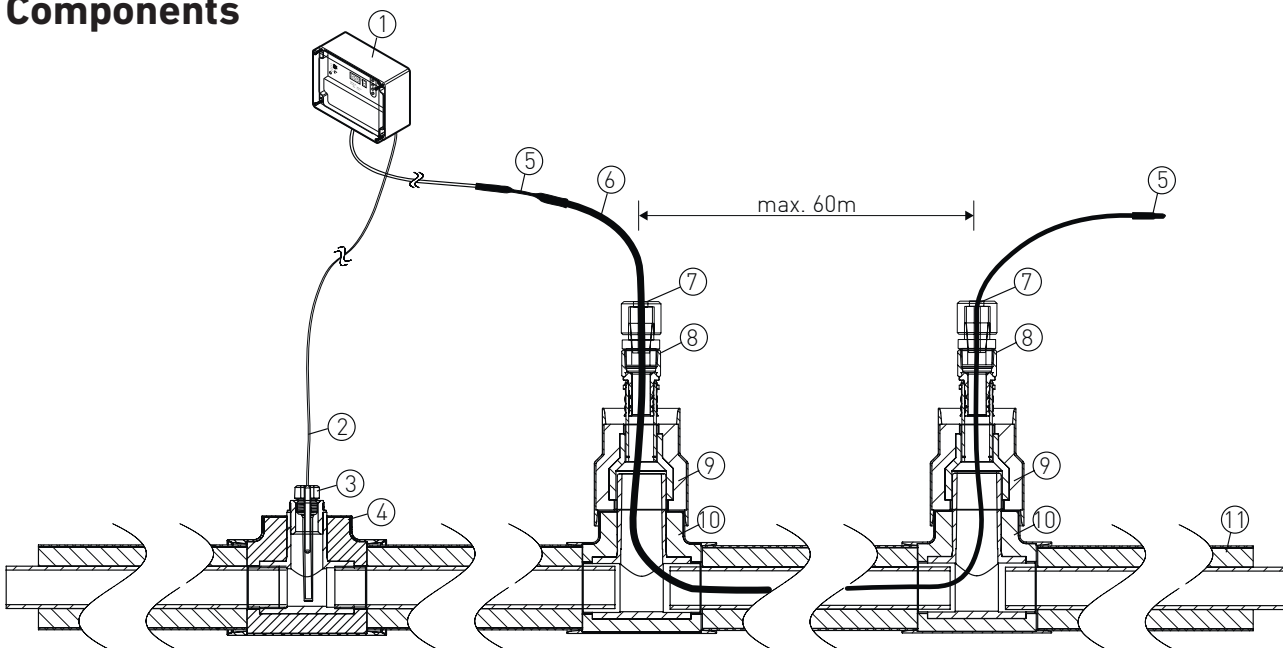
The COOL-FIT heat-tracing system uses a self-regulating heat-tracing cable installed inside the pipe. This efficiently protects the medium from freezing directly and without heat loss through the pipe wall insulation.

The entry and exit of the cable into the COOL-FIT system is performed via cable glands, which are connected to the COOL-FIT system via metallic thread transitions. The thermostat with surface sensor enables efficient control directly via the media temperature. The temperature sensor is installed via COOL-FIT installation fittings using a suitable immersion sleeve.

With the COOL-FIT 4.0 heat tracing, reliable frost protection down to -30°C ambient temperature is provided across all COOL-FIT4.0 dimensions from d32 - d450.

Please contact GF if you need antifreeze protection at ambient temperatures below -30°C.

+ Components



No.	Designation	No.	Designation
1	Thermostat	7	Cable glands 3/4" male thread R
2	Temperature sensor PT 100	8	Adaptor fitting d32-3/4" female thread Rp
3	Immersion sleeve for PT sensor	9	COOL-FIT 4.0 Reducer to d32
4	COOL-FIT 4.0 Installation fitting 1/2" Rp	10	COOL-FIT 4.0 T90°
5	Cold Lead connection and end seal kit	11	COOL-FIT 4.0 pipe
6	Heating Cable		

How can COOL-FIT 4.0 help you?



+ Support from GF specialists

COOL-FIT 4.0 is a technically superior system. And it is more than the sum of its components, because it is supplemented by service from GF Piping Systems in all phases of your project – starting from the planning stage, right through to commissioning. You can find our local specialists in 34 countries, meaning they are always close at hand. This also allows for personal discussions at your company, as well as at the construction site during the installation phase.

With GF Piping Systems at your side, you can always count on having a competent contact person. This includes assistance with the necessary calculations, especially if you have little experience with plastic systems, as well as product selection, installation, and final quality inspection.

+ Next steps

- Consultation with your GF Piping Systems specialists
- Consultation on the benefits of COOL-FIT 4.0 for you
- Information on reference applications
- Assistance with product selection and making calculations
- Support throughout all project phases

Get in touch with us
gfps.com/cf4-contact

COOLING Tool-Box

The cooling calculation tool from GF Piping Systems supports the dimensioning and design of the secondary circuit. The cooling calculation tool includes the following calculation functions:

- Expansion / contraction
- Length of the flexible sections
- Energy saving
- Surface temperatures
- Pipe dimensioning
- Pressure losses
- Dew point, including insulation strength
- Bracket spacing
- Freezing time
- Weight comparison
- CO₂ footprint

Use the online calculator
gfps.com/cooling-tools

Referentieprojecten

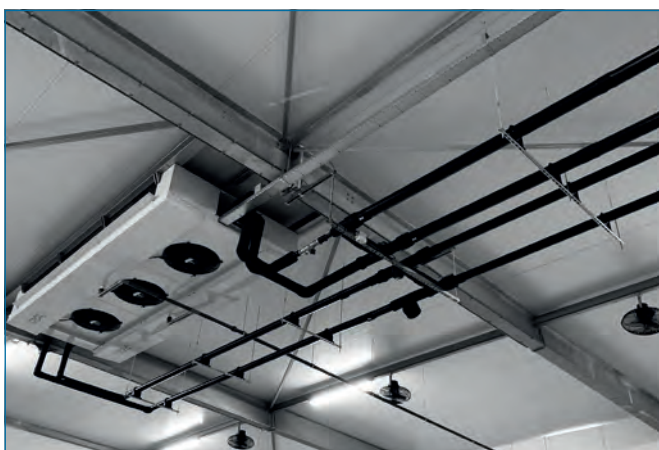
+ COOL-FIT 4.0



COOL-FIT 4.0 hoofdleidingen



COOL-FIT 4.0 hoofdleidingen met aftakkingen



COOL-FIT 4.0 aansluiting verdamper



COOL-FIT 4.0 klimaatleidingen in een ziekenhuis



COOL-FIT 4.0 glycol leidingsysteem



COOL-FIT 4.0 AGF koeling

+ COOL-FIT 4.0



COOL-FIT 4.0 overgang naar staal



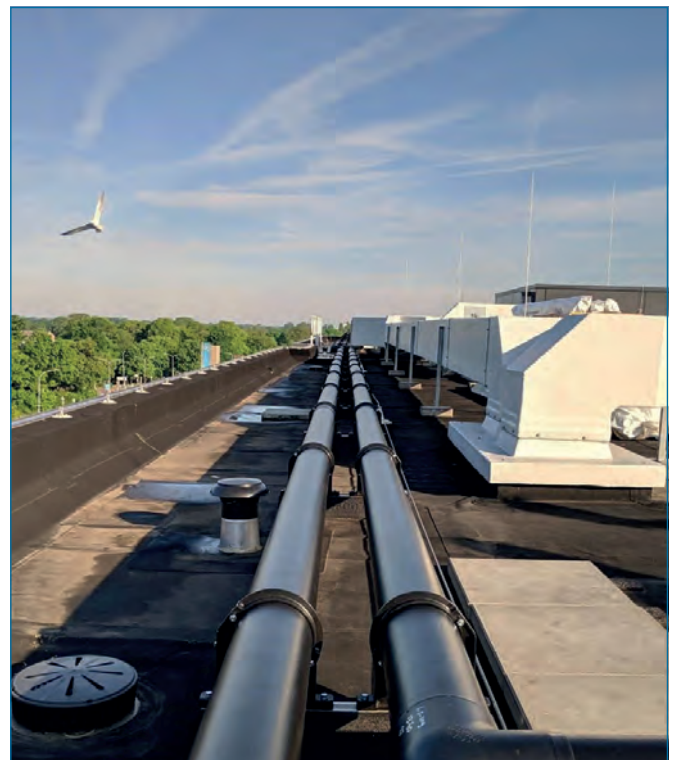
COOL-FIT 4.0 in koudetechniek



COOL-FIT 4.0 afsluiters



COOL-FIT 4.0 beugels



COOL-FIT 4.0 klimaatleidingen

Referentieprojecten

+ COOL-FIT 4.0



COOL-FIT 4.0 aansluiting op buffervat



COOL-FIT 4.0 aansluiting op chiller



COOL-FIT 4.0 aansluiting op buffervat met vlinderklep

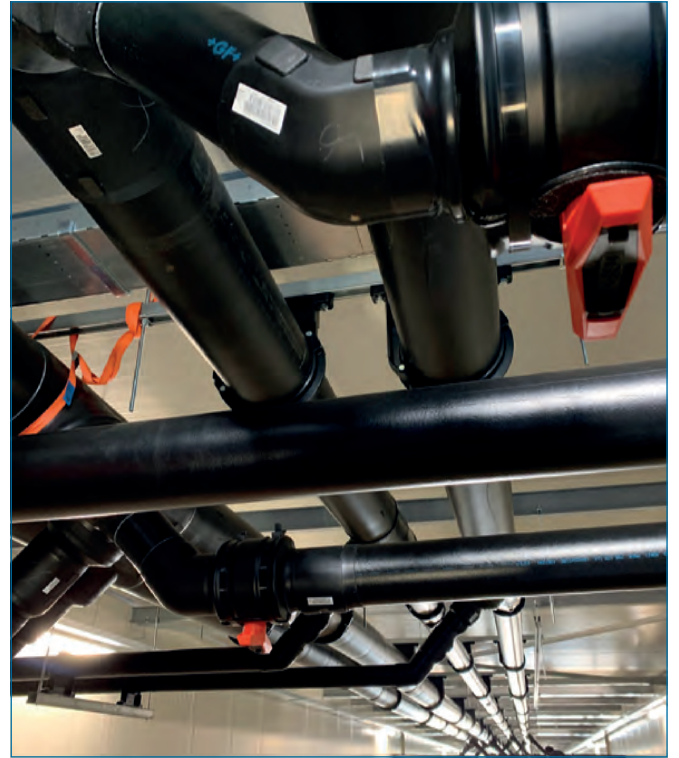


COOL-FIT 4.0 buigbeen

+GF+ COOL-FIT 4.0



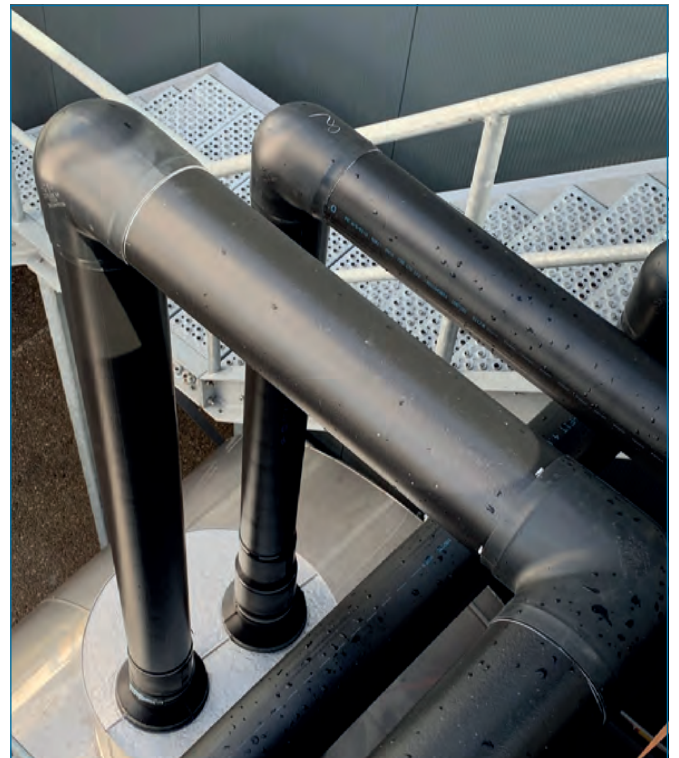
COOL-FIT 4.0 in buisbeugel



COOL-FIT 4.0 en 2.0 in corridor



COOL-FIT 4.0 in kruipruimte













COOL-FIT 4.0 glycol koeling

COOL-FIT 4.0

Product range

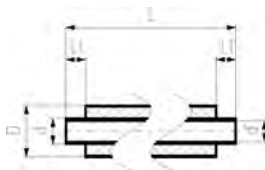
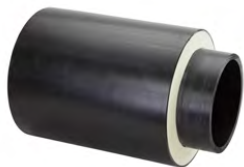


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COOL-FIT 4.0 buizen

COOL-FIT 4.0 buizen

PF 2 B3 A58 001



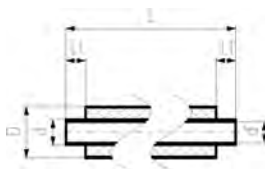
COOL-FIT 4.0 buis, d32-d450

uitvoering:

- voorgeïsoleerd PE100 SDR11/17 metrisch
- isolatiemateriaal: GF HE foam
- slagvast; kleur: zwart
- Lengte: 5m voor d160+d225, 5.9m voor d250-d450
- met buiseinde voor elektrolassen

d (mm)	D (mm)	DN (mm)	SDR	PN (bar)	Code	EUR / m	gewicht (kg/m)	inch bena- dering (inch)	di (mm)	L (mm)	L1 (mm)
32	90	25	11	16	738 173 108	43,80	1,411	1	26,2	5000	36
40	110	32	11	16	738 173 109	55,40	2,054	1 ¼	32,6	5000	40
50	110	40	11	16	738 173 110	63,10	2,221	1 ½	40,8	5000	44
63	125	50	11	16	738 173 111	85,70	2,987	2	51,4	5000	48
75	140	65	11	16	738 173 112	108,90	3,757	2 ½	61,4	5000	55
90	160	80	11	16	738 173 113	148,70	4,819	3	73,6	5000	62
110	180	100	11	16	738 173 114	183,10	6,200	4	90,0	5000	72
140	225	125	11	16	738 173 116	211,90	9,676	5	114,6	5000	84
160	250	150	17	10	738 173 117	271,50	9,921	6	141,0	5000	90
225	315	200	17	10	738 173 120	466,20	16,620	8	198,2	5000	110
250	355	250	17	10	738 173 021	629,50	18,180	10	220,4	5900	123
280	400	250	17	10	738 173 022	797,20	22,640	10	246,8	5900	126
315	450	300	17	10	738 173 023	956,80	28,510	12	277,6	5900	133
355	500	350	17	10	738 173 024	1.173,40	35,350	14	312,8	5900	148
400	560	400	17	10	738 173 125	1.407,90	44,070	16	352,6	5900	150
450	630	450	17	10	738 173 126	1.758,80	55,490	18	396,6	5900	165

PF 2 B3 A58 003



COOL-FIT 4.0F Buis - brandvertragend Brandklasse: B s2 d0

uitvoering:

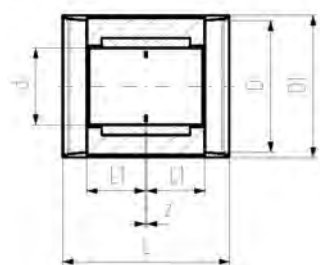
- voorgeïsoleerd PE100 SDR17 metrisch
- isolatiemateriaal: GF HE foam
- Brandvertragende mantel. Kleur: zwart
- met buiseinde voor elektrolassen

d (mm)	D (mm)	DN (mm)	SDR	PN (bar)	Code	EUR / m	di (mm)	L (mm)	L1 (mm)
160	250	150	17	10	738 173 317	311,90	141,0	5000	90
225	315	200	17	10	738 173 320	536,20	198,2	5000	110

COOL-FIT 4.0 fittingen

COOL-FIT 4.0 fittingen

PF 2 B3 A59 001



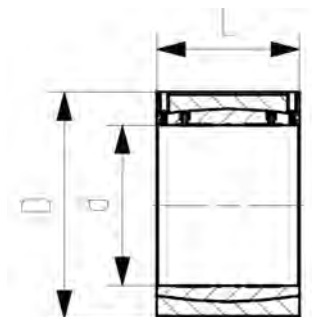
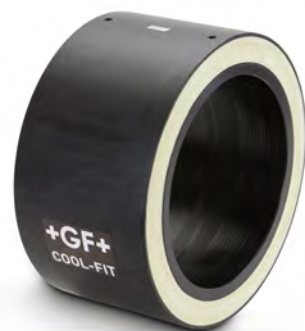
COOL-FIT 4.0 mof, d32-d225

uitvoering:

- voorgeïsoleerd PE100 SDR 11, metrisch
- isolatiemateriaal: GF HE foam
- slagvast; kleur: zwart
- geïntegreerde afdichtingsdop voor een vocht- en dampbestendige afdichting
- robuuste buitenmantel, kleur: zwart
- isolatiemateriaal is gemaakt van PUR
- voorgeïsoleerd PE100 SDR 11, metrisch
- elektrofitting met een geïntegreerde afdichtingsdop voor een vocht- en dampbestendige afdichting

d (mm)	D (mm)	DN (mm)	SDR	PN (bar)	Code	EUR	gewicht (kg)	D1 (mm)	L (mm)	L1 (mm)	z (mm)
32	90	25	11	16	738 913 108	79,50	0,179	97	127	36	5
40	110	32	11	16	738 913 109	85,90	0,129	117	133	40	3
50	110	40	11	16	738 913 110	93,70	0,169	117	141	44	3
63	125	50	11	16	738 913 111	104,40	0,240	132	149	48	3
75	140	65	11	16	738 913 112	115,80	0,520	147	163	55	3
90	160	80	11	16	738 913 113	135,70	0,750	168	178	62	4
110	180	100	11	16	738 913 114	163,90	0,831	188	198	72	4
140	225	125	11	16	738 913 116	197,70	1,565	233	221	84	3
160	250	150	11	16	738 913 117	219,70	1,726	258	233	90	3
225	315	200	11	16	738 913 120	307,00	3,783	324	275	110	5

PF 2 B3 A59 001



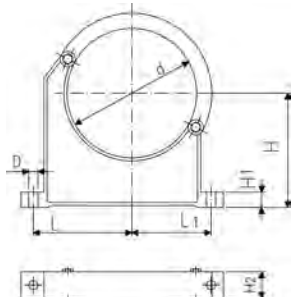
COOL-FIT 4.0 mof, d250-d450

uitvoering:

- voorgeïsoleerd PE100 SDR17 metrisch
- isolatiemateriaal: GF HE foam
- slagvaste buitenmantel kleur: zwart

d (mm)	D (mm)	DN (mm)	SDR	PN (bar)	Code	EUR	gewicht (kg)	L (mm)
250	355	250	17	10	738 911 821	613,50	6,290	247
280	400	250	17	10	738 911 822	768,00	8,020	252
315	450	300	17	10	738 911 823	923,70	9,110	267
355	500	350	17	10	738 911 824	1.112,10	13,780	290
400	560	400	17	10	738 911 875	1.317,70	23,450	294
450	630	450	17	10	738 911 876	1.593,30	22,590	326

buisklem type 060, PP metrisch

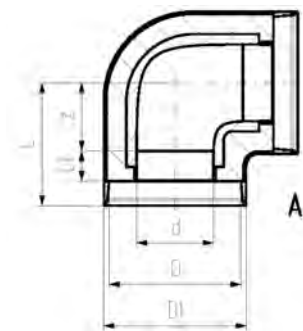


uitvoering:

- materiaal: PP zwart, UV-bestendig
- minimale bestelhoeveelheid: standaardverpakking SP of grootverpakking GP
- het zelfstandig openen van de beugel is niet mogelijk
- houder en beugel zijn separaat verpakt
- buizen met flenzen kunnen direct gemonteerd worden

d (mm)	Code	EUR	SP	gewicht (kg)	inch bena- dering (inch)	D (mm)	L (mm)	L1 (mm)	H (mm)	H1 (mm)	H2 (mm)	SC
90	167 060 038	14,40	10	0,144	3	9	89	71	105	15	33	M 8
110	167 060 039	16,80	10	0,158	4	9	94	80	115	15	33	M 8
125	167 060 040	23,40	10	0,249		11	116	91	130	20	35	M10
140	167 060 041	28,20	10	0,260	5	11	121	99	130	20	35	M10
160	167 060 042	32,10	10	0,296	6	11	131	107	148	20	35	M10
180	167 060 043	34,80	10	0,327	7	11	143	115	163	20	35	M10
250	167 060 021	70,90	5	0,657	9	13	183	143	200	25	39	M12
315	167 060 023	89,90	5	0,805	12	13	219	171	225	25	39	M12
355	167 060 024	100,40	5	1,251	14	17	275	209	258	30	50	M16
400	167 060 025	108,40	4	1,031	16	17	300	228	288	30	50	M16

COOL-FIT 4.0 knie 90°, d32-d225



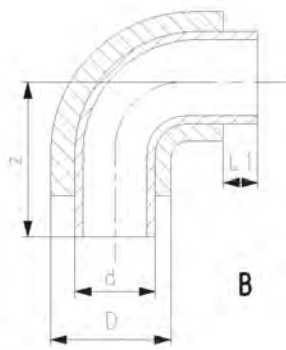
uitvoering:

- voorgeïsoleerd PE100 SDR 11, metrisch
- isolatiemateriaal: GF HE foam
- robuuste buitenmantel, kleur: zwart
- A: elektrofitting met een geïntegreerde afdichtingsdop voor een vocht- en dampbestendige afdichting
- B: spie-eind fitting met vrij einde
- isolatiemateriaal is gemaakt van PUR

d (mm)	D (mm)	DN (mm)	SDR	PN (bar)	Code	EUR	gewicht (kg)	D1 (mm)	L (mm)	L1 (mm)	z (mm)	type
32	90	25	11	16	738 103 108	109,50	0,255	97	81	36	20	A
40	110	32	11	16	738 103 109	125,10	0,177	117	88	40	23	A
50	110	40	11	16	738 103 110	132,10	0,250	117	99	44	30	A
63	125	50	11	16	738 103 111	143,50	0,372	132	107	48	34	A
75	140	65	11	16	738 103 112	183,10	0,800	147	120	55	40	A
90	160	80	11	16	738 103 113	237,40	1,500	168	150	62	63	A
110	180	100	11	16	738 103 114	328,50	1,950	188	174	72	77	A
140	225	125	11	16	738 103 116	456,00	3,707	233	196	84	87	A
160	250	150	11	16	738 103 117	592,80	5,200	258	220	90	105	A
225	315	200	11	16	738 103 120	1.045,50	12,400	324	345	110	210	A

PF 2 B3 A59 002

COOL-FIT 4.0 bocht 90°, d250-d450



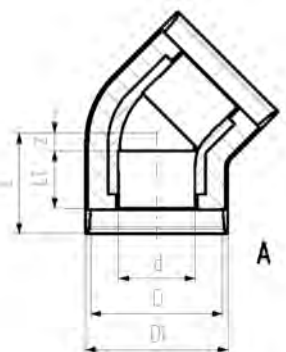
uitvoering:

- voorgeïsoleerd PE100 SDR17 metrisch
- isolatiemateriaal: GF HE foam
- robuuste buitenmantel, kleur: zwart
- B: spie-eind fitting met een vrij einde (separate elektrofitting nodig voor een verbinding)

d (mm)	D (mm)	DN (mm)	SDR	PN (bar)	Code	EUR	gewicht (kg)	L1 (mm)	z (mm)	type
250	355	250	17	10	738 003 121	2.366,80	11,800	123	375	B
280	400	250	17	10	738 003 122	2.904,40	16,560	126	430	B
315	450	300	17	10	738 003 123	3.458,50	28,800	133	470	B
355	500	350	17	10	738 003 124	4.323,80	25,000	148	900	B
400	560	400	17	10	738 003 175	5.325,70	59,640	150	980	B
450	630	450	17	10	738 003 176	6.920,30	79,200	165	1070	B

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COOL-FIT 4.0 knie 45°, d32-d225



uitvoering:

- voorgeïsoleerd PE100 SDR 11, metrisch
- isolatiemateriaal: GF HE foam
- robuuste buitenmantel, kleur: zwart
- A: elektrofitting met een geïntegreerde afdichtingsdop voor een vocht- en dampbestendige afdichting
- B: spie-eind fitting met vrij einde
- isolatiemateriaal is gemaakt van PUR

d (mm)	D (mm)	DN (mm)	SDR	PN (bar)	Code	EUR	gewicht (kg)	D1 (mm)	L (mm)	L1 (mm)	z (mm)	type
32	90	25	11	16	738 153 108	108,10	0,108	97	72	36	11	A
40	110	32	11	16	738 153 109	128,10	0,162	117	76	40	11	A
50	110	40	11	16	738 153 110	135,60	0,218	117	82	44	13	A
63	125	50	11	16	738 153 111	144,50	0,315	132	89	48	16	A
75	140	65	11	16	738 153 112	170,30	0,650	147	98	55	18	A
90	160	80	11	16	738 153 113	232,00	1,030	168	117	62	30	A
110	180	100	11	16	738 153 114	323,50	1,270	188	138	72	41	A
140	225	125	11	16	738 153 116	411,00	2,958	233	157	84	48	A
160	250	150	11	16	738 153 117	553,20	4,100	258	161	90	46	A
225	315	200	11	16	738 153 120	950,60	17,603	324	278	110	143	A

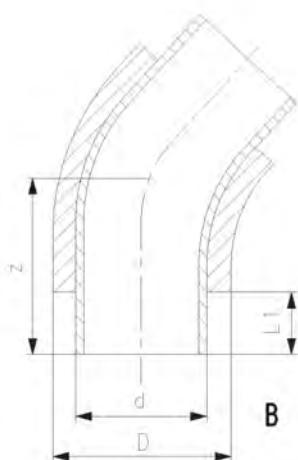
COOL-FIT 4.0 bocht 45°, d250-d450



uitvoering:

- voorgeïsoleerd PE100 SDR17 metrisch
- isolatiemateriaal: GF HE foam
- robuuste buitenmantel, kleur: zwart
- B: spie-eind fitting met een vrij einde (separate elektroslasfitting nodig voor een verbinding)

d (mm)	D (mm)	DN (mm)	PN (bar)	SDR	Code	EUR	gewicht (kg)	L1 (mm)	z (mm)	type
250	355	250	10	17	738 053 121	2.181,40	12,840	123	440	B
280	400	250	10	17	738 053 122	2.670,20	18,000	126	460	B
315	450	300	10	17	738 053 123	3.189,60	21,360	133	535	B
355	500	350	10	17	738 053 124	3.834,80	18,720	148	620	B
400	560	400	10	17	738 053 175	4.964,30	43,920	150	650	B
450	630	450	10	17	738 053 176	6.623,40	54,360	165	680	B



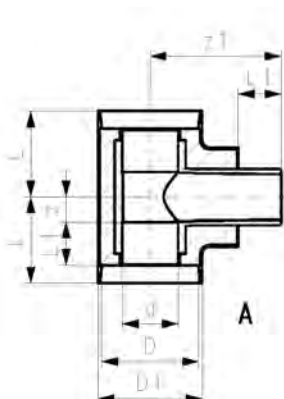
COOL-FIT 4.0 T-stuk 90° recht, d32-d225



uitvoering:

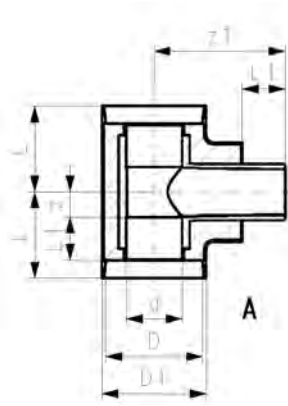
- voorgeïsoleerd PE100 SDR 11, metrisch
- isolatiemateriaal: GF HE foam
- robuuste buitenmantel, kleur: zwart
- A: elektroslasfitting met een geïntegreerde afdichtingsdop voor een vocht- en dampbestendige afdichting
- B: spie-eind fitting met vrij einde
- isolatiemateriaal is gemaakt van PUR

d (mm)	D (mm)	DN (mm)	SDR	PN (bar)	Code	EUR	gewicht (kg)
32	90	25	11	16	738 203 108	118,30	0,161
40	110	32	11	16	738 203 109	155,60	0,257
50	110	40	11	16	738 203 110	170,10	0,342
63	125	50	11	16	738 203 111	209,70	0,514
75	140	65	11	16	738 203 112	244,00	1,000
90	160	80	11	16	738 203 113	319,10	1,400
110	180	100	11	16	738 203 114	396,60	2,500
140	225	125	11	16	738 203 116	568,20	4,627
160	250	150	11	16	738 203 117	830,00	5,600
225	315	200	11	16	738 203 120	1.525,30	16,748



tabel gaat verder op volgende pagina

PF 2 B3 A59 003



d (mm)	D (mm)	D1 (mm)	L (mm)	L1 (mm)	z (mm)	z1 (mm)	type
32	90	97	79	36	18	118,0	A
40	110	117	87	40	22	132,0	A
50	110	117	94	44	25	138,0	A
63	125	132	103	48	30	154,0	A
75	140	147	116	55	36	168,0	A
90	160	168	130	62	43	187,0	A
110	180	188	154	72	57	207,0	A
140	225	233	175	84	66	257,3	A
160	250	258	192	90	77	263,0	A
225	315	324	355	110	220	337,0	A

PF 2 B3 A59 003

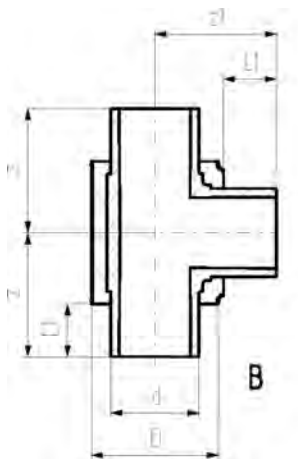
COOL-FIT 4.0 T-stuk 90° recht, d250-d450



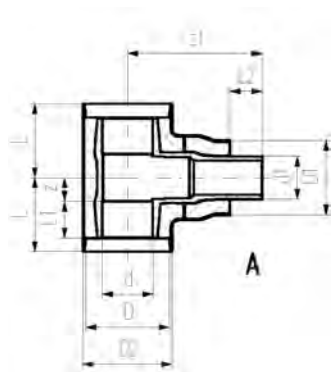
uitvoering:

- voorgeïsoleerd PE100 SDR17 metrisch
- isolatiemateriaal: GF HE foam
- robuuste buitenmantel, kleur: zwart
- B: spie-eind fitting met een vrij einde (separate elektrofitting nodig voor een verbinding)

d (mm)	D (mm)	DN (mm)	SDR	PN (bar)	Code	EUR gewicht (kg)	L1 (mm)	z (mm)	z1 (mm)	type
250	355	250	17	10	738 203 121	3.225,60	123	500	500	B
280	400	250	17	10	738 203 122	3.897,00	126	500	500	B
315	450	300	17	10	738 203 123	4.627,00	133	500	500	B
355	500	350	17	10	738 203 124	5.896,40	148	650	700	B
400	560	400	17	10	738 203 175	7.429,40	150	650	700	B
450	630	450	17	10	738 203 176	12.635,10	165	700	750	B



COOL-FIT 4.0 T-stuk 90° reductie, d75-d225



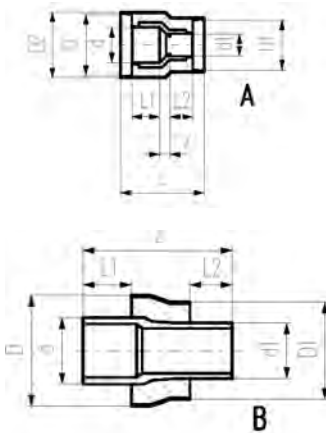
uitvoering:

- voorgeïsoleerd PE100 SDR 11, metrisch
- isolatiemateriaal: GF HE foam
- robuuste buitenmantel, kleur: zwart
- A: elektrolasfitting met een geïntegreerde afdichtingsdop voor een vocht- en dampbestendige afdichting

d (mm)	D (mm)	d1 (mm)	D1 (mm)	DN (mm)	SDR	PN (bar)	Code	EUR	gewicht (kg)
75	140	63	125	65	11	16	738 203 218	442,40	0,863
90	160	63	125	80	11	16	738 203 222	491,50	1,232
90	160	75	140	80	11	16	738 203 223	491,50	1,293
110	180	63	125	100	11	16	738 203 227	802,30	1,972
110	180	75	140	100	11	16	738 203 228	802,30	1,949
110	180	90	160	100	11	16	738 203 229	802,30	2,037
140	225	63	125	125	11	16	738 203 240	1.086,90	4,225
140	225	75	140	125	11	16	738 203 241	1.086,90	4,225
140	225	90	160	125	11	16	738 203 242	1.086,90	4,047
140	225	110	180	125	11	16	738 203 243	1.086,90	4,218
160	250	63	125	150	11	16	738 203 447	1.014,80	4,250
160	250	90	160	150	11	16	738 203 449	1.014,80	4,420
160	250	110	180	150	11	16	738 203 450	1.014,80	4,590
160	250	140	225	150	11	16	738 203 251	1.014,80	5,666
160	250	140	200	150	11	16	738 204 251	1.014,80	5,540
225	315	63	125	200	11	16	738 203 264	1.300,10	16,832
225	315	90	160	200	11	16	738 203 266	1.300,10	16,889
225	315	110	180	200	11	16	738 203 267	1.300,10	16,805
225	315	140	225	200	11	16	738 203 268	1.300,10	18,909
225	315	140	200	200	11	16	738 204 268	1.579,10	17,100
225	315	160	250	200	11	16	738 203 269	1.300,10	18,500

d (mm)	D (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	z (mm)	z1 (mm)	type
75	140	147	116	55	48	36	228,0	A
90	160	168	130	62	48	43	253,0	A
90	160	168	130	62	55	43	252,0	A
110	180	188	154	72	48	57	267,0	A
110	180	188	154	72	55	57	268,0	A
110	180	188	154	72	62	57	268,0	A
140	225	233	175	84	48	66	221,0	A
140	225	233	175	84	55	66	231,0	A
140	225	233	175	84	62	66	234,0	A
140	225	233	175	84	72	66	243,0	A
160	250	258	192	90	48	77	221,0	A
160	250	258	192	90	62	77	235,0	A
160	250	258	192	90	72	77	245,0	A
160	250	258	192	90	84	77	256,1	A
160	250	258	192	90	84	77	340,0	A
225	315	324	355	110	48	220	412,0	A
225	315	324	355	110	62	220	412,0	A
225	315	324	355	110	72	220	412,0	A
225	315	324	355	110	84	220	413,0	A
225	315	324	335	110	84	220	412,0	A
225	315	324	355	110	90	220	396,0	A

**COOL-FIT 4.0 reductie
d32-d225**



uitvoering:

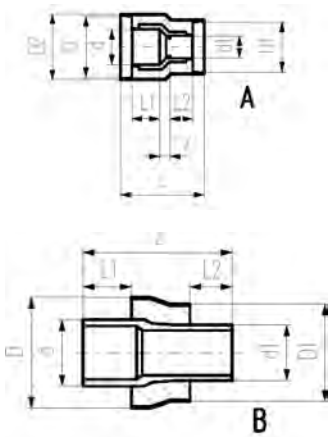
- voorgeïsoleerd PE100 SDR 11, metrisch
- isolatiemateriaal: GF HE foam
- robuuste buitenmantel, kleur: zwart
- A: elektrolasfitting met een geïntegreerde afdichtingsdop voor een vocht- en dampbestendige afdichting
- B: spie-eind fitting met vrij einde
- 738 904 351 en 738 904 368 voor directe overgang van COOL-FIT 4.0 naar COOL-FIT 2.0

d (mm)	D (mm)	d1 (mm)	D1 (mm)	DN (mm)	SDR	PN (bar)	Code	EUR	gewicht (kg)
40	110	32	90	32	11	16	738 903 206	80,40	0,250
50	110	32	90	40	11	16	738 903 209	97,50	0,280
50	110	40	110	40	11	16	738 903 210	97,50	0,320
63	125	32	90	50	11	16	738 903 212	124,70	0,217
63	125	40	110	50	11	16	738 903 213	124,70	0,232
63	125	50	110	50	11	16	738 903 214	124,70	0,243
75	140	63	125	65	11	16	738 903 318	139,80	0,264
90	160	63	125	80	11	16	738 903 322	162,40	0,387
90	160	75	140	80	11	16	738 903 323	162,40	0,416
110	180	63	125	100	11	16	738 903 327	257,90	0,566
110	180	75	140	100	11	16	738 903 328	257,90	0,577
110	180	90	160	100	11	16	738 903 329	257,90	0,644
140	225	63	125	125	11	16	738 903 340	402,70	1,118
140	225	75	140	125	11	16	738 903 341	402,70	1,202
140	225	90	160	125	11	16	738 903 342	402,70	1,251
140	225	110	180	125	11	16	738 903 343	402,70	1,271
160	250	63	125	150	11	16	738 903 347	426,40	1,298
160	250	90	160	150	11	16	738 903 349	426,40	1,323
160	250	110	180	150	11	16	738 903 350	426,40	1,362
160	250	140	225	150	11	16	738 903 351	426,40	1,845
160	250	140	200	150	11	16	738 904 351	426,40	1,664
225	315	63	125	200	11	16	738 903 364	635,60	2,960
225	315	90	160	200	11	16	738 903 366	635,60	3,018
225	315	110	180	200	11	16	738 903 367	635,60	3,079
225	315	140	225	200	11	16	738 903 368	636,20	3,443
225	315	140	200	200	11	16	738 904 368	635,60	3,172
225	315	160	250	200	11	16	738 903 369	635,60	3,550

d (mm)	D (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	z (mm)	type
40	110	117	143	40	36	17	A
50	110	117	151	44	36	21	A
50	110	117	149	44	40	15	A
63	125	132	160	48	36	26	A
63	125	132	159	48	40	21	A
63	125	132	159	48	44	17	A
75	140			55	48	170	B
90	160			62	48	190	B
90	160			62	55	189	B
110	180			72	48	204	B
110	180			72	55	205	B
110	180			72	62	205	B
140	225			84	48	225	B
140	225			84	55	237	B
140	225			84	62	238	B
140	225			84	72	233	B
160	250			90	48	244	B
160	250			90	62	244	B
160	250			90	72	242	B
160	250			90	84	257	B
160	250			90	84	257	B
225	315			110	48	295	B

tabel gaat verder op volgende pagina

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d	D	D2	L	L1	L2	z	type
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
225	315			110	62	295	B
225	315			110	72	295	B
225	315			110	84	296	B
225	315			110	84	296	B
225	315			110	90	279	B

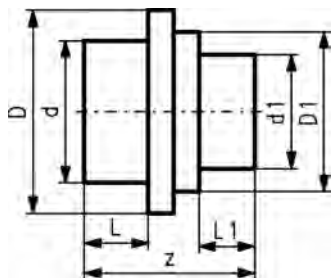
PF 2 B3 A59 005

COOL-FIT 4.0 reductie
d250-d450



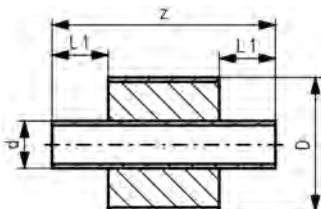
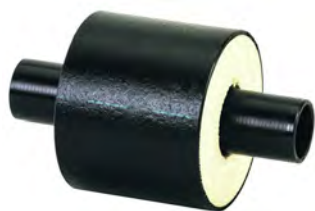
uitvoering:

- voorgeïsoleerd PE100 SDR17 metrisch
- isolatiemateriaal: GF HE foam
- robuuste buitenmantel, kleur: zwart
- B: spie-eind fitting met een vrij einde (separate elektroslasfitting nodig voor een verbinding)



d	D	d1	D1	DN	SDR	Code	EUR	gewicht	L	L1	z	type
(mm)	(mm)	(mm)	(mm)	(mm)				(kg)	(mm)	(mm)	(mm)	
250	355	225	315	250	17	738 903 825	1.662,00	2,800	123	110	332	B
280	400	225	315	250	17	738 903 829	1.859,40	4,700	126	110	335	B
280	450	250	355	250	17	738 903 830	1.859,40	5,100	133	110	365	B
315	450	225	315	300	17	738 903 836	2.034,80	7,100	126	110	340	B
315	450	250	355	300	17	738 903 837	2.034,80	7,400	133	123	365	B
315	450	280	400	300	17	738 903 838	2.034,80	6,800	133	126	365	B
355	500	250	355	350	17	738 903 844	2.755,00	8,200	148	123	390	B
355	500	280	400	350	17	738 903 845	2.755,00	7,700	148	126	390	B
355	500	315	450	350	17	738 903 846	2.755,00	8,300	148	133	390	B
400	560	280	400	400	17	738 903 853	3.538,70	9,100	150	126	415	B
400	560	315	450	400	17	738 903 854	3.538,70	11,400	150	133	420	B
400	560	355	500	400	17	738 903 855	3.538,70	11,000	150	148	405	B
450	630	280	400	450	17	738 903 862	4.795,30	13,200	165	126	390	B
450	630	315	450	450	17	738 903 863	4.795,30	13,600	165	133	390	B
450	630	355	500	450	17	738 903 864	4.795,30	13,700	165	148	393	B
450	630	400	560	450	17	738 903 865	4.795,30	14,800	165	150	395	B

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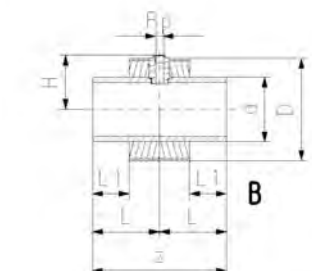
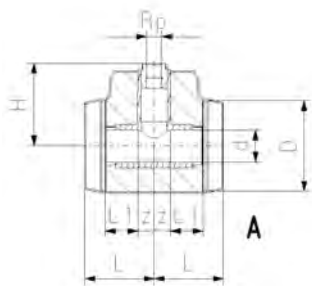
COOL-FIT 4.0 dubbele nipple met isolatie, d32-d225

uitvoering:

- voorgeïsoleerd PE100 SDR11/17 metrisch
- isolatiemateriaal: GF HE foam
- slagvast; kleur: zwart
- voor korte verbindingen tussen COOL-FIT 4.0 fittingen type A

d (mm)	D (mm)	DN (mm)	PN (bar)	SDR	Code	EUR	gewicht (kg)	L1 (mm)	z (mm)
32	90	25	16	11	738 913 408	81,10	0,126	36	151
40	110	32	16	11	738 913 409	93,90	0,188	40	155
50	110	40	16	11	738 913 410	103,70	0,226	44	163
63	125	50	16	11	738 913 411	122,20	0,328	48	171
75	140	65	16	11	738 913 412	154,30	0,447	55	185
90	160	80	16	11	738 913 413	185,10	0,631	62	199
110	180	100	16	11	738 913 414	223,60	0,929	72	219
140	225	125	16	11	738 913 416	250,00	1,101	84	243
160	250	150	10	17	738 913 417	268,20	1,576	90	255
225	315	200	10	17	738 913 420	344,30	3,254	110	295

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COOL-FIT 4.0 installatiefitting type 313 Rp, d32-d225

uitvoering:

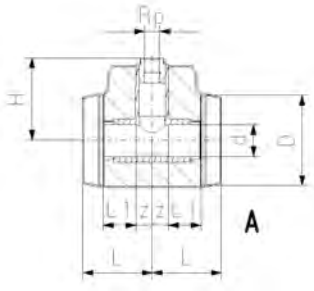
- voorgeïsoleerd PE100 SDR11, metrisch
- isolatiemateriaal: GF HE foam
- slagvast; kleur: zwart
- met draadaftakking voor sensoren (bijv. temperatuur, druk)
- A: elektroslafitting met een geïntegreerde afdichtingslip voor een vocht- en dampbestendige afdichting
- B: spie-eind fitting met vrij einde

d (mm)	D (mm)	draad afm. (inch)	DN (mm)	SDR	PN (bar)	Code	EUR	gewicht (kg)
32	90	Rp ½	25	11	16	738 313 608	346,80	0,169
40	110	Rp ½	32	11	16	738 313 609	363,70	0,267
40	110	Rp ¾	32	11	16	738 313 659	363,70	0,269
50	110	Rp ½	40	11	16	738 313 610	385,90	0,354
50	110	Rp ¾	40	11	16	738 313 660	385,90	0,356
63	125	Rp ½	50	11	16	738 313 611	422,00	0,537
63	125	Rp ¾	50	11	16	738 313 661	422,00	0,539
75	140	Rp ½	65	11	16	738 313 612	476,60	0,773
75	140	Rp ¾	65	11	16	738 313 662	476,60	0,774
90	160	Rp ½	80	11	16	738 313 613	553,40	1,164
90	160	Rp ¾	80	11	16	738 313 663	553,40	1,165
110	180	Rp ½	100	11	16	738 313 614	622,50	1,944
110	180	Rp ¾	100	11	16	738 313 664	622,50	1,944
140	225	Rp ½	125	11	16	738 313 616	881,00	3,974
140	225	Rp ¾	125	11	16	738 313 666	881,00	3,964
160	250	Rp ½	150	11	16	738 313 617	634,60	2,496
160	250	Rp ¾	150	11	16	738 313 667	635,80	2,489
225	315	Rp ½	200	11	16	738 313 620	780,70	5,155
225	315	Rp ¾	200	11	16	738 313 670	781,60	5,146

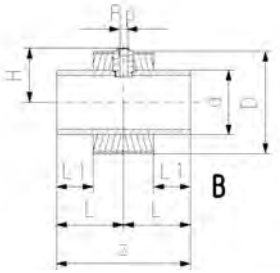
d (mm)	D (mm)	H (mm)	L (mm)	L1 (mm)	z (mm)	type
32	90	95	79	36	18	A
40	110	105	87	40	22	A
40	110	108	87	40	22	A
50	110	107	94	44	25	A
50	110	110	94	44	25	A
63	125	120	103	48	30	A
63	125	123	103	48	30	A
75	140	127	116	55	36	A

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d	D	H	L	L1	z	type
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
75	140	130	116	55	36	A
90	160	139	130	62	43	A
90	160	142	130	62	43	A
110	180	151	154	72	57	A
110	180	154	154	72	57	A
140	225	187	175	84	66	A
140	225	190	175	84	66	A
160	250	134	165	90	330	B
160	250	134	165	90	330	B
225	315	166	185	110	370	B
225	315	169	185	110	370	B



COOL-FIT 4.0 overgangsfittingen

COOL-FIT 4.0 overgangsfittingen

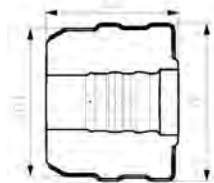
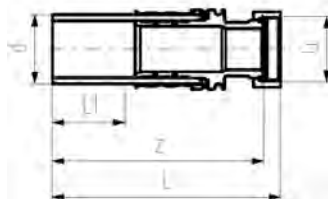
PF 2 B3 A59 010

COOL-FIT 4.0 overgangskoppeling PE/RVS met losse wartel G



uitvoering:

- spie-eind fitting PE100 SDR11, metrisch met vrij einde
- RVS 1.4404 / 316L met losse wartel G
- inclusief vlakke pakking EPDM
- inclusief halve schalen isolatie



d	draad	afm.	DN	SDR	PN	Code	EUR	gewicht
(mm)		(inch)	(mm)		(bar)			(kg)
32	G	½	25	11	16	738 943 308	154,40	0,250
32	G	¾	25	11	16	738 943 318	160,10	0,264
32	G	1	25	11	16	738 943 328	166,90	0,296
40	G	1 ¼	32	11	16	738 943 309	229,30	0,595
40	G	1 ½	32	11	16	738 943 319	279,10	0,655
50	G	1 ½	40	11	16	738 943 310	304,30	0,820
63	G	2	50	11	16	738 943 311	428,40	1,307

d	D	D1	L	L1	L2	z
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
32	104	90	133	36	101	126
32	104	90	135	36	101	129
32	104	90	135	36	101	129
40	128	110	155	40	91	148
40	128	110	157	40	91	148
50	138	110	164	44	96	154
63	149	125	186	48	103	170

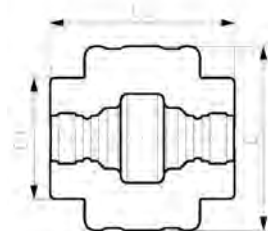
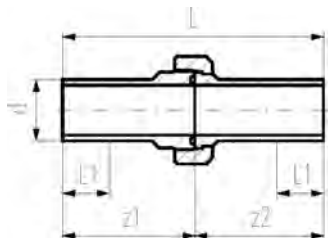
PF 2 B3 A59 011

COOL-FIT 4.0 3-delige koppeling PE/PE



uitvoering:

- inschroefdeel: spie-eind fitting PE100 SDR11, metrisch met vrij einde
- inlegdeel: spie-eind fitting PE100 SDR11, metrisch met vrij einde
- afdichting: O-ring EPDM Nr. 748 410 008-014
- wartelmoer: PEGF25
- inclusief halve schalen isolatie



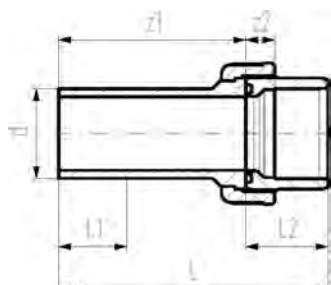
d	DN	PN	SDR	Code	EUR	gewicht	D	D1	L	L1	L2	z1	z2
(mm)	(mm)	(bar)				(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
32	25	16	11	738 513 608	202,10	0,223	139	90	211	36	139	107	104
40	32	16	11	738 513 609	240,30	0,363	153	110	234	40	158	118	116
50	40	16	11	738 513 610	271,60	0,468	165	110	247	44	163	124	123
63	50	16	11	738 513 611	349,90	0,584	185	125	268	48	176	136	132

COOL-FIT 4.0 3-delige overgangskoppeling PE/ABS

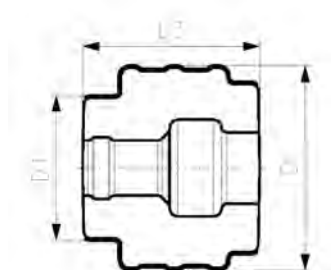


uitvoering:

- inschroefdeel: lijmmof ABS
- inlegdeel: spie-eind fitting PE100 SDR11, metrisch met vrij einde
- afdichting: O-ring EPDM Nr. 748 410 008-014
- wartelmoer, ABS
- inclusief halve schalen isolatie



d	DN	PN	SDR	Code	EUR	gewicht
(mm)	(mm)	(bar)				(kg)
32	25	10	11	738 513 708	130,80	0,169
40	32	10	11	738 513 709	158,10	0,256
50	40	10	11	738 513 710	189,60	0,334
63	50	10	11	738 513 711	274,70	0,522
75	65	10	11	738 513 712	423,80	0,996
90	80	10	11	738 513 713	572,10	1,336
110	100	10	11	738 513 714	678,70	1,900



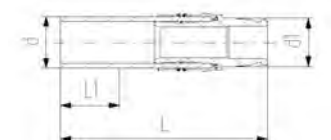
d	D	D1	L	L1	L2	L3	z1	z2
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
32	134	90	137	36	33	109	104	11
40	143	110	156	40	39	126	117	13
50	154	110	169	44	46	135	123	15
63	172	125	190	48	58	152	132	21
75	210	140	211	55	62	170	149	18
90	233	160	215	62	69	167	146	18
110	263	180	235	72	72	177	163	11

COOL-FIT 4.0 overgangskoppeling PE/iFIT

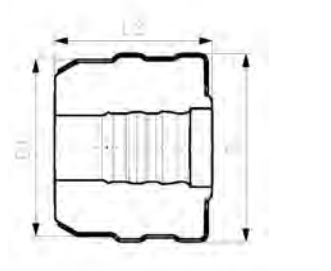


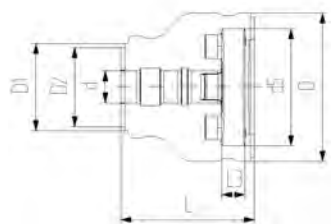
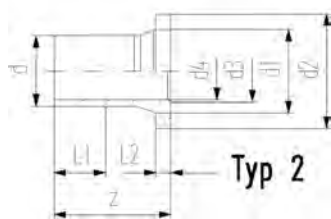
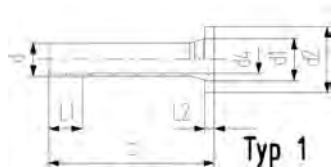
uitvoering:

- spie-eind fitting PE100 SDR11, metrisch met vrij einde
- iFIT module RVS 1.4404 / 316L
- inclusief halve schalen isolatie



DN	d1	SDR	PN	Code	EUR	gewicht	D	D1	L	L1	L2
(mm)	(mm)		(bar)			(kg)	(mm)	(mm)	(mm)	(mm)	(mm)
25	25-32	11	10	738 943 108	304,80	0,256	103	90	132	36	80





uitvoering:

- PE100, SDR11, metrisch
- geschikt voor flenzen voor metrisch en/of ANSI/ASME B 16.5
- afdichting: profielvlensafdichting NBR nr. 45 44 07, EPDM nr. 48 44 07
- type 1 zonder aanschuiving; type 2 met aanschuiving
- voor verbinden zijn separaat fittingen nodig
- inclusief halve schalen isolatie
- geschikt voor flenzen voor ANSI
- PE100 SDR11, ANSI
- spie-eind fitting PE100 SDR11, metrisch met vrij einde
- afdichting: profielvlensafdichting NBR nr. 45 44 05, EPDM nr. 48 44 05
- geschikt voor flenzen ANSI/ASME B 16.5

opmerking:

Steuning en afdichting niet inbegrepen

d (mm)	SDR	DN (mm)	PN	Code	EUR	gewicht (kg)
32	11	25	16	738 710 008	138,60	0,320
32	11	25	16	738 710 108	143,90	0,320
40	11	32	16	738 710 009	156,30	0,480
40	11	32	16	738 710 109	164,80	0,480
50	11	40	16	738 710 010	169,30	0,620
50	11	40	16	738 710 110	176,70	0,620
63	11	50	16	738 710 011	187,40	0,910
75	11	65	16	738 710 012	216,70	1,220
90	11	80	16	738 710 013	237,90	1,650
90	11	80	16	738 710 113	241,30	1,650
110	11	100	16	738 710 014	330,60	2,390
140	11	125	16	738 710 016	458,70	3,660
160	11	150	16	738 710 017	629,90	4,800
225	11	200	16	738 710 020	914,50	9,600

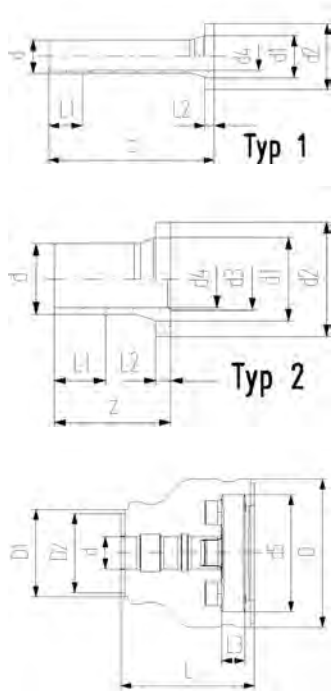
d (mm)	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	z (mm)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	d5 (mm)	type
32	135	90		162	36	10	26	190	40	68		26	121	1
32	135	90	63	162	36	10	26	190	40	63		26	121	1
40	170	110	90	165	40	11	28	197	50	78		32	146	1
40	170	110	73	165	40	11	28	197	50	73		32	146	1
50	180	110	90	178	44	12	30	214	61	88		40	156	1
50	180	110	82	178	44	12	30	214	61	82		40	156	1
63	200	125	110	230	48	14	32	270	75	102		51	171	1
75	220	140	125	232	55	16	34	279	89	122		61	191	2
90	240	160	140	245	62	17	35	299	105	138	78	73	206	2
90	240	160	133	245	62	17	35	299	105	133	78	73	206	2
110	270	180	160	254	72	18	36	320	125	158	100	90	235	2
140	300	225	200	299	84	25	38	383	155	188	127	127	256	2
160	358	259	213	332	90	25	34	412	174	213	151	131	295	2
225	423	325	268	383	110	32	37	483	233	268	209	184	354	2

d standaard

d (mm)	standaard
32	Metrisch
32	ANSI
40	Metrisch
40	ANSI
50	Metrisch
50	ANSI
63	Metrisch, ANSI
75	Metrisch, ANSI
90	Metrisch
90	ANSI

tabel gaat verder op volgende pagina

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d standaard

d (mm)	standaard
110	Metrisch, ANSI
140	Metrisch, ANSI
160	Metrisch, ANSI
225	Metrisch, ANSI

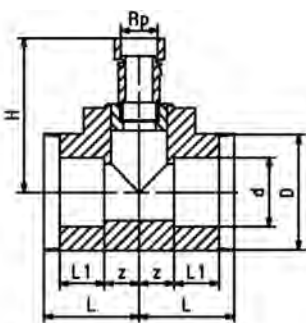
PF 2 B3 A59 010

COOL-FIT 4.0 overgangs T-stuk 90°, PE/messing met binnendraad Rp



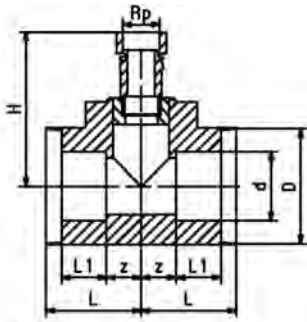
uitvoering:

- voorgeïsoleerd PE100 SDR 11, metrisch
- messing CuZn40Pb2 met binnendraad Rp
- isolatiemateriaal: GF HE foam
- slagvast; kleur: zwart
- A: elektrolasfitting met een geïntegreerde afdichtingslip voor een vocht- en dampbestendige afdichting



d (mm)	draad	afm. (inch)	DN (mm)	SDR	PN (bar)	Code	EUR	gewicht (kg)	L (mm)	L1 (mm)	z (mm)	H (mm)
63	Rp	2	50	11	16	738 953 061	528,20	1,700	103	48	30	222
75	Rp	2	65	11	16	738 953 062	583,70	1,900	116	55	36	226
90	Rp	2	80	11	16	738 953 063	745,70	2,300	130	62	43	241
110	Rp	2	100	11	16	738 953 064	932,10	3,100	154	72	57	251
160	Rp	2	150	11	16	738 953 067	1.242,70	5,450	165	90	77	289
225	Rp	2	200	11	16	738 953 070	1.903,50	18,100	185	110	220	446
40	Rp	1	32	11	16	738 953 159	466,00	0,500	87	40	22	173
50	Rp	1	40	11	16	738 953 160	481,60	0,588	94	44	25	173
63	Rp	1	50	11	16	738 953 161	497,10	0,760	103	48	30	186
75	Rp	1	65	11	16	738 953 162	559,20	1,246	116	55	36	193
90	Rp	1	80	11	16	738 953 163	683,50	1,650	130	62	43	205
110	Rp	1	100	11	16	738 953 164	869,90	2,750	154	72	57	215
160	Rp	1	150	11	16	738 953 167	1.180,60	4,450	165	90	77	253
225	Rp	1	200	11	16	738 953 170	1.847,10	17,100	185	110	220	444

COOL-FIT 4.0 overgangs T-stuk 90°, PE/RVS met binnendraad Rp



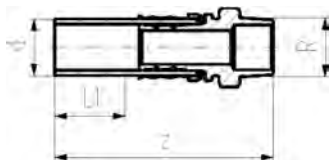
uitvoering:

- voorgeïsoleerd PE100 SDR 11, metrisch
- RVS 1.4404 / 316L met binnendraad Rp
- isolatiemateriaal: GF HE foam
- slagvast; kleur: zwart
- A: elektrolasfitting met een geïntegreerde afdichtingslip voor een vocht- en dampbestendige afdichting

d	draad	afm.	DN	SDR	PN	Code	EUR	gewicht	L	L1	z	H
(mm)		(inch)	(mm)		(bar)			(kg)	(mm)	(mm)	(mm)	(mm)
63	Rp	2	50	11	16	738 943 061	613,00	1,700	103	48	30	222
75	Rp	2	65	11	16	738 943 062	671,00	2,150	116	55	36	226
90	Rp	2	80	11	16	738 943 063	821,50	2,530	130	62	43	241
110	Rp	2	100	11	16	738 943 064	1.037,30	3,650	154	72	57	251
160	Rp	2	150	11	16	738 943 067	1.351,20	5,380	165	90	77	289
225	Rp	2	200	11	16	738 943 070	1.945,90	18,100	185	110	220	446
40	Rp	1	32	11	16	738 943 159	497,10	0,490	87	40	22	173
50	Rp	1	40	11	16	738 943 160	528,20	0,575	94	44	25	173
63	Rp	1	50	11	16	738 943 161	559,20	0,747	103	48	30	186
75	Rp	1	65	11	16	738 943 162	621,30	1,233	116	55	36	193
90	Rp	1	80	11	16	738 943 163	776,70	1,633	130	62	43	205
110	Rp	1	100	11	16	738 943 164	994,10	2,733	154	72	57	215
160	Rp	1	150	11	16	738 943 167	1.304,90	4,483	165	90	77	253
225	Rp	1	200	11	16	738 943 170	1.923,30	17,100	185	110	220	444

COOL-FIT 4.0 overgangsfittingen zonder isolatie

PF 2 B3 A59 999



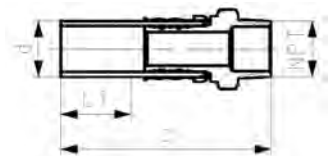
COOL-FIT 2.0/4.0 overgangskoppeling PE/RVS met buitendraad R

uitvoering:

- spie-eind fitting PE100 SDR11, metrisch met vrij einde
- RVS 1.4404 / 316L met buitendraad R
- afdichting: O-ring EPDM

d	draad	afm.	DN	SDR	PN	Code	EUR	gewicht	L1	z
(mm)		(inch)	(mm)		(bar)			(kg)	(mm)	(mm)
32	R	½	25	11	16	738 940 508	59,80	0,179	36	130
32	R	¾	25	11	16	738 940 518	64,50	0,187	36	134
32	R	1	25	11	16	738 940 528	69,60	0,196	36	134
40	R	1 ¼	32	11	16	738 940 509	144,90	0,572	40	156
50	R	1 ½	40	11	16	738 940 510	205,80	0,927	44	168
63	R	2	50	11	16	738 940 511	287,40	1,347	48	179

PF 2 B3 A59 010



COOL-FIT 2.0/4.0 overgangsfitting PE/RVS met buitendraad NPT

uitvoering:

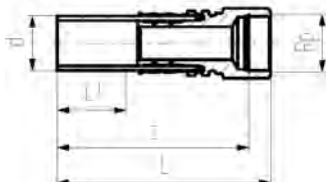
- spie-eind fitting PE100 SDR11, ANSI met vrij einde
- RVS 1.4404 / 316L met buitendraad NPT
- afdichting: O-ring EPDM

d	draad	afm.	DN	NPT	Rp	SDR	PN	Code	EUR	gewicht
(mm)		(inch)	(mm)	(inch)	(inch)		(bar)			(kg)
32	NPT	½	25	½	½	11	16	738 940 808	59,80	0,179
32	NPT	¾	25	¾	¾	11	16	738 940 818	64,50	0,187
32	NPT	1	25	1	1	11	16	738 940 828	69,60	0,196
40	NPT	1 ¼	32	1 ¼	1 ¼	11	16	738 940 809	144,90	0,572
50	NPT	1 ½	40	1 ½	1 ½	11	16	738 940 810	205,80	0,927
63	NPT	2	50	2	2	11	16	738 940 811	287,40	1,347

d	L	L1	z
(mm)	(mm)	(mm)	(mm)
32	132	36	118
32	132	36	116
32	132	36	115
40	157	40	141
50	150	44	128
63	164	48	140

PF 2 B3 A59 999

COOL-FIT 2.0/4.0 overgangskoppeling PE/RVS met binnendraad Rp



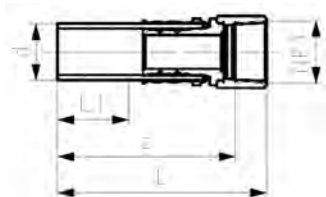
uitvoering:

- spie-eind fitting PE100 SDR11, metrisch met vrij einde
- RVS 1.4404 / 316L met binnendraad Rp
- afdichting: O-ring EPDM

d	draad	afm.	DN	SDR	PN	Code	EUR	gewicht	L	L1	z
(mm)		(inch)	(mm)		(bar)			(kg)	(mm)	(mm)	(mm)
32	Rp	½	25	11	16	738 940 008	59,80	0,183	132	36	118
32	Rp	¾	25	11	16	738 940 018	64,50	0,208	132	36	116
32	Rp	1	25	11	16	738 940 028	69,60	0,233	132	36	115
40	Rp	1 ¼	32	11	16	738 940 009	144,90	0,600	157	40	141
50	Rp	1 ½	40	11	16	738 940 010	205,80	0,641	150	44	128
63	Rp	2	50	11	16	738 940 011	287,40	1,133	164	48	140

PF 2 B3 A59 010

COOL-FIT 2.0/4.0 overgangskoppeling PE/RVS met binnendraad NPT



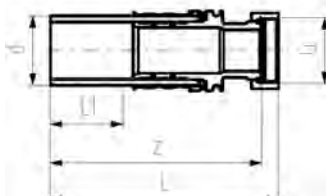
uitvoering:

- spie-eind fitting PE100 SDR11, ANSI met vrij einde
- RVS 1.4404 / 316L met binnendraad NPT
- afdichting: O-ring EPDM

d	draad	afm.	DN	SDR	PN	Code	EUR	gewicht	L	L1	z
(mm)		(inch)	(mm)		(bar)			(kg)	(mm)	(mm)	(mm)
32	NPT	½	25	11	16	738 940 408	59,80	0,183	132	36	114
32	NPT	¾	25	11	16	738 940 418	64,50	0,208	132	36	114
32	NPT	1	25	11	16	738 940 428	69,60	0,233	132	36	114
40	NPT	1 ¼	32	11	16	738 940 409	144,90	0,600	147	40	125
50	NPT	1 ½	40	11	16	738 940 410	205,80	0,641	147	44	124
63	NPT	2	50	11	16	738 940 411	287,40	1,133	159	48	136

PF 2 B3 A59 999

COOL-FIT 2.0/4.0 overgangskoppeling PE/RVS met losse wartel G

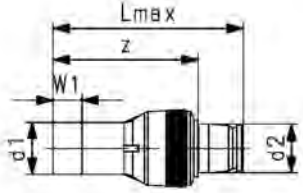


uitvoering:

- spie-eind fitting PE100 SDR11, metrisch met vrij einde
- RVS 1.4404 / 316L met losse wartel G
- inclusief vlakke pakking EPDM

d	draad	afm.	DN	SDR	Code	EUR	gewicht	L	L1	z
(mm)		(inch)	(mm)				(kg)	(mm)	(mm)	(mm)
32	G	½	25	11	738 940 308	76,70	0,186	133	36	126
32	G	¾	25	11	738 940 318	76,70	0,201	135	36	129
32	G	1	25	11	738 940 328	80,30	0,232	135	36	129
40	G	1 ¼	32	11	738 940 309	166,80	0,512	155	40	148
40	G	1 ½	32	11	738 940 319	203,60	0,572	157	40	148
50	G	1 ½	40	11	738 940 310	226,20	0,726	164	44	154
63	G	2	50	11	738 940 311	316,20	1,195	186	48	170

PF 2 B3 A56 010



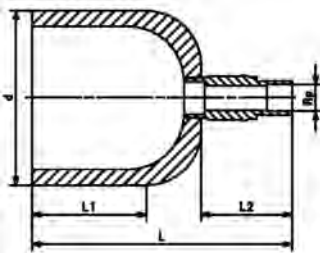
COOL-FIT 2.0/4.0 overgangsfitting PE/iFIT

uitvoering:

- spie-eind fitting PE100 SDR11, metrisch met vrij einde
- Push system module messing

d1	d2	DN	SDR	PN	Code	EUR	SP	gewicht	Lmax	W1	z
(mm)	(mm)	(mm)		(bar)				(kg)	(mm)	(mm)	(mm)
32	25/32	25	11	16	738 950 058	74,40	1	0,219	115	36	87

PF 2 B3 A59 010



COOL-FIT 2.0/4.0 overgangskap PE/messing met binnendraad Rp

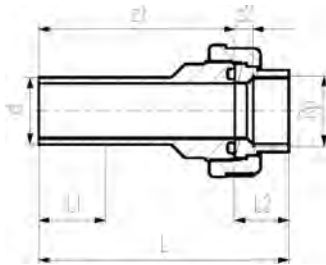
uitvoering:

- spie-eind fitting PE100 SDR11, metrisch met vrij einde
- messing CuZn40Pb2 met binnendraad Rp
- afdichting: O-ring EPDM

d	DN	SDR	PN	Code	EUR	gewicht	draad	afm.	L	L1	L2
(mm)	(mm)		(bar)			(kg)		(inch)	(mm)	(mm)	(mm)
32	25	11	16	738 960 008	87,30	0,200	Rp	½	107	36	69
40	32	11	16	738 960 009	232,30	0,210	Rp	½	113	40	73
50	40	11	16	738 960 010	243,40	0,250	Rp	½	117	44	73
63	50	11	16	738 960 011	255,70	0,300	Rp	½	121	48	73
75	65	11	16	738 960 012	282,30	0,400	Rp	½	128	55	73
90	80	11	16	738 960 013	300,80	0,476	Rp	½	135	62	73
110	100	11	16	738 960 014	345,30	0,695	Rp	½	145	72	73
140	125	11	16	738 960 016	205,20	0,954	Rp	½	209	84	73
160	150	11	16	738 960 017	203,00	1,300	Rp	½	193	90	73
225	200	11	16	738 960 020	277,60	2,532	Rp	½	221	110	73

PF 2 B3 A59 999

COOL-FIT 2.0/4.0 3-delige overgangskoppeling PE/RVS met binnendraad Rp



uitvoering:

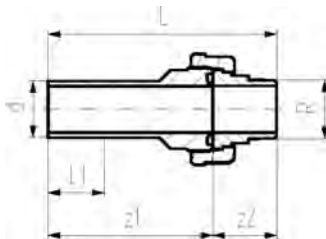
- inschroefdeel: spie-eind fitting PE100 SDR11, metrisch met vrij einde
- inlegdeel: RVS 1.4404 / 316L met binnendraad Rp
- afdichting: O-ring EPDM 748 410 008-011
- wartelmoer: PEGF25

d (mm)	draad (mm)	afm. (inch)	DN	SDR	PN	Code	EUR	gewicht (kg)
32	Rp	1	25	11	16	738 540 208	111,60	0,234
40	Rp	1 ¼	32	11	16	738 540 209	217,50	0,387
50	Rp	1 ½	40	11	16	738 540 210	215,80	0,530
63	Rp	2	50	11	16	738 540 211	301,70	0,807

d (mm)	L (mm)	L1 (mm)	L2 (mm)	z1 (mm)	z2 (mm)
32	136,0	36	29	107,0	10,0
40	150,0	40	33	117,5	11,0
50	158,5	44	34	124,5	12,5
63	175,0	48	39	136,0	13,5

PF 2 B3 A59 999

COOL-FIT 2.0/4.0 3-delige overgangskoppeling PE/RVS met buitendraad R



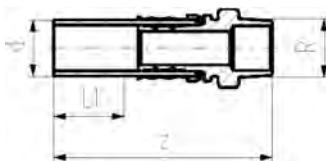
uitvoering:

- inschroefdeel: spie-eind fitting PE100 SDR11, metrisch met vrij einde
- inlegdeel: RVS 1.4404 / 316L met buitendraad R
- afdichting: O-ring EPDM 748 410 008-011
- wartelmoer: PEGF25

d (mm)	draad (mm)	afm. (inch)	DN	SDR	PN	Code	EUR	gewicht (kg)	L (mm)	L1 (mm)	z1 (mm)	z2 (mm)
32	R	1	25	11	16	738 540 708	111,60	0,276	147	36	107	40
40	R	1 ¼	32	11	16	738 540 709	217,50	0,495	163	40	117	46
50	R	1 ½	40	11	16	738 540 710	215,30	0,606	172	44	124	48
63	R	2	50	11	16	738 540 711	301,70	1,000	191	48	136	55

PF 2 B3 A59 999

COOL-FIT 2.0/4.0 overgangsfitting PE/messing met buitendraad R



uitvoering:

- spie-eind fitting PE100 SDR11, metrisch met vrij einde
- messing CuZn40Pb2 met buitendraad R
- afdichting: O-ring EPDM

d (mm)	draad (mm)	afm. (inch)	DN	SDR	Code	EUR	gewicht (kg)	L1 (mm)	z (mm)
32	R	½	25	11	738 950 508	45,50	0,188	36	130
32	R	¾	25	11	738 950 518	47,50	0,196	36	134
32	R	1	25	11	738 950 528	49,60	0,206	36	134
40	R	1 ¼	32	11	738 950 519	88,50	0,608	40	156
50	R	1 ½	40	11	738 950 510	117,70	0,986	44	168
63	R	2	50	11	738 950 511	159,60	1,433	48	179

PF 2 B3 A59 999

COOL-FIT 2.0/4.0 overgangsfitting PE/messing met binnendraad Rp

uitvoering:

- spie-eind fitting PE100 SDR11, metrisch met vrij einde
- messing CuZn40Pb2 met binnendraad Rp
- afdichting: O-ring EPDM



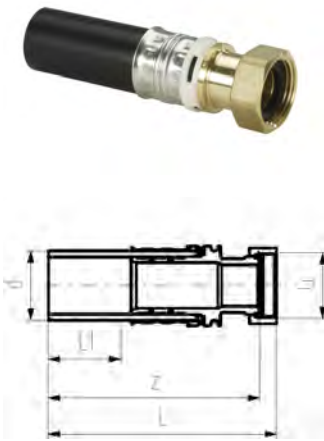
d (mm)	draad Rp	afm. (inch)	DN (mm)	SDR	PN (bar)	Code	EUR	gewicht (kg)	L (mm)	L1 (mm)	z (mm)
32	Rp	½	25	11	16	738 950 008	45,50	0,192	132	36	118
32	Rp	¾	25	11	16	738 950 018	47,50	0,219	132	36	116
32	Rp	1	25	11	16	738 950 028	49,60	0,246	132	36	115
40	Rp	1 ¼	32	11	16	738 950 019	88,50	0,641	157	40	141
50	Rp	1 ½	40	11	16	738 950 010	117,70	0,684	150	44	128
63	Rp	2	50	11	16	738 950 011	159,60	1,209	164	48	140

PF 2 B3 A59 999

COOL-FIT 2.0/4.0 overgangsfitting PE/messing met losse wartel G

uitvoering:

- spie-eind fitting PE100 SDR11, metrisch met vrij einde
- messing CuZn40Pb2 met losse wartel G
- inclusief vlakke pakking EPDM



d (mm)	draad G	afm. (inch)	DN (mm)	SDR	PN	Code	EUR	gewicht (kg)	D (mm)	L (mm)	L1 (mm)	z (mm)
32	G	¾	25	11	16	738 950 318	54,80	0,206	70	135	36	129
32	G	1	25	11	16	738 950 328	57,40	0,244	70	135	36	129
32	G	1 ¼	25	11	16	738 950 338	71,00	0,301	108	137	36	131
40	G	1 ¼	32	11	16	738 950 309	101,50	0,543	78	155	40	148
40	G	1 ½	32	11	16	738 950 319	116,40	0,607	116	157	40	148
50	G	1 ½	40	11	16	738 950 310	129,40	0,769	88	164	44	154
63	G	2	50	11	16	738 950 311	175,50	1,268	101	186	48	170

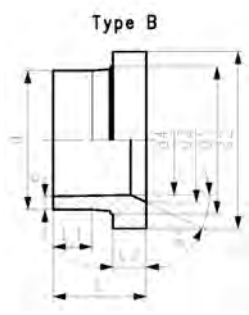
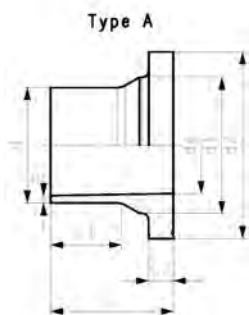
voorlaskragen, flenzen en profielflensafdichtingen



ELGEF Plus voorlaskraag PE100 lang SDR17 d50-d1000mm, gecombineerd dichtvlak: vlak en gegroefd

uitvoering:

- past op metrische flenzen (vanaf d110 ook voor ANSI B 16.5)
- afdichting d20-d630: profielflensafdichting NBR nr. 45 44 07, EPDM nr. 48 44 07
- afdichting d710-d1000: vlakke pakking EPDM nr. 48 40 03
- type A zonder aanschuining; type B met aanschuining
- 5 bar gas / 10 bar water
- tot en met d315, geschikt voor vlinderklep type 567/568; gebruik daarboven een PE100 adapter voor vlinderkleppen SDR17/17,6 (d355-d1200)
- tot en met d280, geschikt voor vlinderklep type 037/038/039; gebruik daarboven een PE100 adapter voor vlinderkleppen SDR11 (d315-d800)
- afdichting: profielflensafdichting NBR nr. 45 44 07, EPDM nr. 48 44 07
- voor stomplassen, IR-lassen en elektrolassen
- tot en met d400, geschikt voor vlinderklep type 567/578; gebruik daarboven een ecoFIT adapter voor vlinderkleppen SDR17,6 (d450-d1200)
- 10 bar gas / 16 bar water
- * type B met aanschuining



d	SDR	DN	PN	FM	Code	EUR	PF	gewicht
(mm)		(mm)	(bar)					(kg)
250	17	250	10		753 800 096	153,00	2 51 301 002	3,500
280	17	250	10		753 800 097	232,30	2 51 301 002	3,780
315	17	300	10		753 800 098	306,00	2 51 301 002	5,470

d	d1	d2	d3	d4	L	L1	L2	e	type	a°
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		
250	285	320	245	220	220	148	35	14,8	B	25
280	291	320	265	246	230	154	35	16,6	B	30
315	335	370	300	277	242	166	36	18,7	B	30



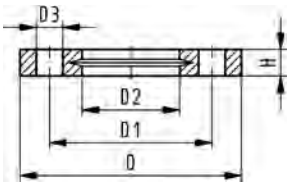
flenzen PP-V (volledig kunststof)

uitvoering:

- kunststof flens PP-GF (30% glasvezelversterkt)
 - metrisch: ISO 7005, EN 1092, ISO 9624
 - ASME: ANSI/ASME B 16.5 klasse 150, ASTM D2024, BS 1560, BS EN 1759
 - met V-groef, voor een gelijkmatige krachtverdeling over de kraag
 - met geïntegreerde boutfixering als montagehulpmiddel
 - aansluitmaten volgens: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
 - UV-bestendig: toepasbaar bij buitenapplicaties
 - met geïntegreerde boutfixering als montagehulpmiddel
 - aansluitmaten volgens ANSI/ASME B 16.5 klasse 150 (ASTM D 4024) / BS 1560, BS en 1759
 - flensboring klasse 150
 - speciale flensadapter ANSI voor d25-d50 en d90 noodzakelijk
 - aansluitmaten conform ASME B16.5, ASTM D 4024; flensboring 150
- AL = aantal gaten
- 727701414, 727700417, 727700419: alleen gebruiken in combinatie met metrische voorlaskragen

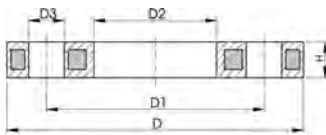
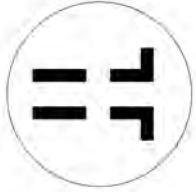
d	d	DN	PN	flensboring	standaard	Design	Code	EUR	PF
(mm)	(inch)	(mm)	(bar)						
20	½	15	16	class 150	ASME	stomp/mof	727 701 406	9,80	2 34 238 032
25	¾	20	16	class 150	ASME	stomp/mof	727 701 407	10,80	2 34 238 032
32		25	16	PN10	Metrisch	stomp/mof	727 700 408	14,20	2 34 238 030
32	1	25	16	class 150	ASME	stomp/mof	727 701 408	14,10	2 34 238 032
40		32	16	PN10	Metrisch	stomp/mof	727 700 409	17,10	2 34 238 030

tabel gaat verder op volgende pagina



d (mm)	d (inch)	DN (mm)	PN (bar)	flensboring	standaard	Design	Code	EUR	PF
40	1 ¼	32	16	class 150	ASME	stomp/mof	727 701 409	17,10	2 34 238 032
50		40	16	PN10	Metrisch	stomp/mof	727 700 410	20,30	2 34 238 030
50	1 ½	40	16	class 150	ASME	stomp/mof	727 701 410	20,10	2 34 238 032
63		50	16	PN10	Metrisch	stomp/mof	727 700 411	25,50	2 34 238 030
63	2	50	16	class 150	ASME	stomp/mof	727 701 411	25,40	2 34 238 032
75		65	16	PN10	Metrisch	stomp/mof	727 700 412	28,40	2 34 238 030
75	2 ½	65	16	class 150	ASME	stomp/mof	727 701 412	28,20	2 34 238 032
90		80	16	PN10	Metrisch	stomp	727 700 513	33,90	2 34 238 031
90	3	80	16	class 150	ASME	stomp	727 701 513	33,80	2 34 238 033
110		100	16	PN10	Metrisch	stomp	727 700 514	41,40	2 34 238 031
110	4	100	16	class 150	ASME	stomp	727 701 514	41,40	2 34 238 033
125		125	16	PN10	Metrisch	stomp	727 700 515	41,40	2 34 238 031
140		125	16	PN10	Metrisch	stomp	727 700 516	58,00	2 34 238 031
250	10	250	10	class 150	ASME	stomp	727 701 521	132,10	2 34 238 033
280	10	250	10	class 150	ASME	stomp	727 701 522	131,90	2 34 238 033
315	12	300	10	class 150	ASME	stomp	727 701 523	192,90	2 34 238 033

d (mm)	D (mm)	D1 (mm)	D2 (mm)	D3 (mm)	H max. (mm)	H (mm)	AL	SC
20	95	60	28	16	16	16	4	M12
25	105	70	34	16	17	17	4	M12
32	115	85	42	14	18	18	4	M12
32	115	79	42	16	18	18	4	M12
40	140	100	51	18	20	20	4	M16
40	140	89	51	16	20	20	4	M16
50	150	110	62	18	22	22	4	M16
50	150	98	62	16	22	22	4	M16
63	165	125	78	18	24	24	4	M16
63	165	121	78	19	24	24	4	M16
75	185	145	92	18	26	26	4	M16
75	185	140	92	19	26	26	4	M16
90	200	160	108	18	27	27	8	M16
90	200	152	108	19	27	27	4	M16
110	220	180	128	18	28	28	8	M16
110	229	190	128	19	28	28	8	M16
125	220	180	135	18	28	28	8	M16
140	250	210	158	18	30	30	8	M16
250	406	362	288	26	38	38	12	M20
280	406	362	294	26	38	38	12	M20
315	483	432	338	26	42	42	12	M20



flenzen PP-staal

uitvoering:

- PP (30% glasvezelversterkt) met stalen binnenwerk
- metrisch: ISO 7005, EN 1092, ISO 9624
- ASME: ANSI/ASME B 16.5 klasse 150, ASTM D2024, BS 1560, BS EN 1759
- speciale flensadapter ANSI voor d25-d50 en d90 noodzakelijk

AL = aantal gaten

¹⁾ FM 1613 approved – 15 bar

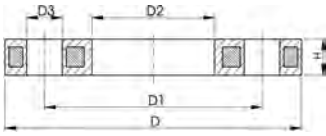
²⁾ overschuifflens gegroefd

d (mm)	DN (mm)	PN (bar)	Code	EUR	PF
32	25	16	727 700 208	19,00	2 34 238 020
40	32	16	727 700 209	22,70	2 34 238 020
50	40	16	727 700 210	27,00	2 34 238 020
63	50	16	727 700 211	34,00	2 34 238 020
75	65	16	727 700 212	37,60	2 34 238 020
90	80	16	727 700 213	44,80	2 34 238 020
90	80	16	727 700 313	44,80	2 34 238 022
110	100	16	727 700 314	55,50	2 34 238 022
140	125	16	727 700 716	77,60	2 34 238 022
160	150	16	727 700 717	95,40	2 34 238 022
225	200	16	727 700 720	138,60	2 34 238 022
250	250	16	727 700 721	175,60	2 34 238 022
280	250	16	727 700 722	175,60	2 34 238 022
315	300	16	727 700 723	256,70	2 34 238 022
355	350	16	727 700 724	509,40	2 34 238 022
400	400	16	727 700 725	579,80	2 34 238 022

d (mm)	D (mm)	D1 (mm)	D2 (mm)	D3 (mm)	H max. (mm)	AL	SC	standaard	flensboring
32	115	85	42	14	16	4	M12	Metrisch	PN10
40	140	100	51	18	16	4	M16	Metrisch	PN10
50	150	110	62	18	20	4	M16	Metrisch	PN10
63	165	125	78	18	20	4	M16	Metrisch	PN10
75	185	145	92	18	20	4	M16	Metrisch	PN10
90	200	160	110	18	20	8	M16	Metrisch	PN10
90	200	160	108	18	20	8	M16	Metrisch	PN10
110	220	180	128	18	20	8	M16	Metrisch	PN10
140	250	210	158	18	24	8	M16	Metrisch	PN10
160	285	240	178	22	24	8	M20	Metrisch/ASME	PN10/class 150
225	340	295	238	22	27	8	M20	Metrisch/ASME	PN10/class 150
250	395	350	288	22	30	12	M20	Metrisch	PN10
280	395	350	294	22	30	12	M20	Metrisch	PN10
315	445	400	338	22	34	12	M20	Metrisch	PN10
355	515	460	376	23	40	16	M20	Metrisch	PN10
400	574	515	430	26	40	16	M24	Metrisch	PN10

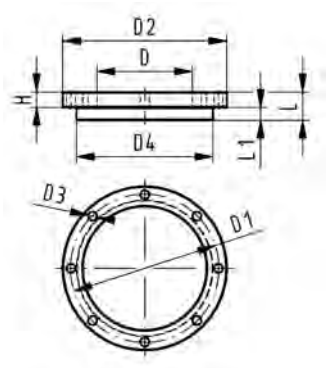
d (mm)	Design
32	stomp/mof
40	stomp/mof
50	stomp/mof
63	stomp/mof
75	stomp/mof
90	mof
90	stomp
110	stomp
140	stomp
160	stomp
225	stomp
250	stomp

tabel gaat verder op volgende pagina



d	Design
(mm)	
280	stomp
315	stomp
355	stomp
400	stomp

PF 2 34 238 038



blindflensset PE100
gecombineerd dichtvlak: vlak/gedroefd

uitvoering:

- d63 - d315: overschuifflens PP-V met blindflens PE
- d355 - d630: overschuifflens PP-st met blindflens PE
- aansluitmaten volgens ISO 7005, EN 1092, DIN 2501
- flensboring PN10

AL = aantal gaten

L: dikte van de blindflens

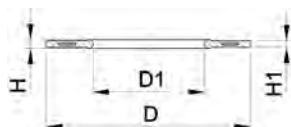
d	DN	PN	Code	EUR	gewicht
(mm)	(mm)	(bar)			(kg)
63	50	16	753 700 611	189,00	0,560
75	65	16	753 700 612	202,00	0,910
90	80	16	753 700 613	230,80	0,921
110	100	16	753 700 614	253,80	1,158
125	100	16	753 700 615	253,80	1,678
140	125	16	753 700 616	360,50	1,913
160	150	16	753 700 617	475,80	2,373
225	200	16	753 700 620	738,20	3,744
250	250	16	753 700 621	812,20	6,051
280	250	16	753 700 622	1.037,60	6,305
315	300	16	753 700 623	1.742,70	8,894
355	350	16	753 700 624	2.822,40	23,198
400	400	16	753 700 625	3.226,10	30,766
450	500	10	753 700 626	5.771,50	44,271

d	D1	L	D4	D2	D3	H	D	AL	L1	SC
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		(mm)	
63	125	30	102	165	18	24	75	4	14	M16
75	145	30	122	185	18	26	89	4	16	M16
90	160	30	138	200	18	27	105	8	17	M16
110	180	30	158	220	18	28	125	8	18	M16
125	180	35	158	220	18	28	132	8	25	M16
140	210	40	188	250	18	30	155	8	25	M16
160	240	40	212	285	22	32	175	8	25	M20
225	295	50	268	340	22	34	235	8	32	M20
250	350	55	320	395	22	38	285	12	35	M20
280	350	60	320	395	22	38	291	12	35	M20
315	400	65	370	445	22	42	335	12	35	M20
355	460	70	430	515	22	40	373	16	40	M20
400	515	75	482	574	26	40	427	16	46	M24
450	620	80	585	684	26	49	510	20	60	M24

profielflensafdichting EPDM/FKM, metrisch



Design 0710 - 01000



uitvoering:

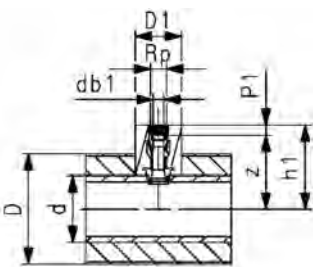
- voor alle kraagbussen en voorlaskragen metrisch
 - hardheid : EPDM ca. 70° shore, FKM ca. 75° shore
 - EPDM: goedgekeurd volgens DVGW W 270, KTW aanbevolen
 - centrering op de inwendige diameter van de gatenkrans
 - materiaal stalen kern: carbonstaal
 - rubber-staal behuizing met rubber profiel koordring tot en met d630
 - rubber-staal behuizing ideaal voor grotere afmetingen (d710 - d1000)
- di VLK/KB zijn de geschikte inwendige diameters van voorlaskragen

d (mm)	DN (mm)	PN (bar)	EPDM Code	EUR	PF	D (mm)	H (mm)	di VLK/KB (mm)	H1 (mm)	D1 (mm)
32	25	16	748 440 708	25,60	2 30 162 037	71	4	18 - 28	3	28
40	32	16	748 440 709	26,50	2 30 162 037	82	4	30 - 40	3	40
50	40	16	748 440 710	27,30	2 30 162 037	92	4	36 - 46	3	46
63	50	16	748 440 711	28,40	2 30 162 037	107	5	48 - 58	4	58
75	65	16	748 440 712	29,00	2 30 162 037	127	5	59 - 69	4	69
90	80	16	748 440 713	30,50	2 30 162 037	142	5	73 - 84	4	84
110	100	16	748 440 714	34,80	2 30 162 037	162	6	94 - 104	5	104
140	125	16	748 440 716	39,20	2 30 162 037	192	6	127 - 137	5	137
160 - 180	150	16	748 440 717	47,10	2 30 162 037	218	8	150 - 160	6	160
225	200	16	748 440 720	61,40	2 30 162 037	273	8	207 - 220	6	220
250	250	16	748 440 721	80,10	2 30 162 037	328	8	238 - 252	6	252
280	250	16	748 440 722	84,70	2 30 162 037	328	8	264 - 274	6	274
315	300	16	748 440 723	101,00	2 30 162 037	378	8	296 - 306	6	306
355	350	16	748 440 724	174,00	2 30 162 037	438	10	340 - 355	7	355
400	400	16	748 440 725	212,10	2 30 162 037	489	10	385 - 400	7	400
450	500	10	748 440 726	274,10	2 30 162 037	594	10	393 - 403	7	403
710	700	6	748 440 730	270,00	2 30 162 037	810	6	562 - 712	3	712
800	800	6	748 440 731	447,30	2 30 162 037	917	6	663 - 813	3	813
900	900	6	748 440 732	496,90	2 30 162 037	1017	6	765 - 915	3	915
1000	1000	6	748 440 733	524,00	2 30 162 037	1124	6	866 - 1016	3	1016

COOL-FIT 4.0 las-in-nippel

COOL-FIT 4.0 las-in-nippel

PF 2 B3 A59 013



COOL-FIT 4.0 las-in-nippel PE/RVS met binnendraad Rp

uitvoering:

- materiaal: PE100, RVS V4A/ 316L
- met las-in-nippel conus (PE100) en binnendraad Rp (RVS) voor de installatie van sensoren, meetinstrumenten, ontluchting en afvoer
- afdichting: O-ring EPDM
- inclusief isolatiemateriaal van EPDM foam

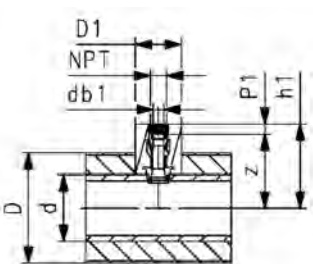
opmerking:

voor COOL-FIT 4.0 en COOL-FIT 4.0F buizen met dimensies d63-d225

afm. draad (inch)	draad	PN (bar)	Code	EUR	gewicht (kg)
½	Rp	16	738 113 206	148,40	0,139
¾	Rp	16	738 113 207	187,20	0,179
1	Rp	16	738 113 208	236,60	0,240

z (mm)	h1 (mm)	P1 (mm)	db1 (mm)	D1 (mm)	d (mm)
70 + d/2	85+d/2	15	11,8	78	d63 - d225
69 + d/2	85+d/2	16	17,4	78	d63 - d225
67 + d/2	86+d/2	19	23,1	78	d63 - d225

PF 2 B3 A59 013



COOL-FIT 4.0 las-in-nippel PE/RVS met binnendraad NPT

uitvoering:

- materiaal: PE100, RVS V4A/ 316L
- met las-in-nippel conus (PE100) en binnendraad NPT (RVS) voor de installatie van sensoren, meetinstrumenten, ontluchting en afvoer
- afdichting: O-ring EPDM
- inclusief isolatiemateriaal van EPDM foam

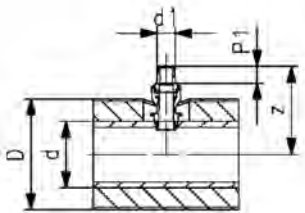
opmerking:

voor COOL-FIT 4.0 en COOL-FIT 4.0F buizen met dimensies d63-d225

afm. draad (inch)	draad	PN (bar)	Code	EUR	gewicht (kg)
½	NPT	16	738 113 306	148,40	0,148
¾	NPT	16	738 113 307	187,20	0,191
1	NPT	16	738 113 308	236,60	0,248

z (mm)	h1 (mm)	P1 (mm)	db1 (mm)	D1 (mm)	d (mm)
70 + d/2	85+d/2	15	11,8	78	d63 - d225
69 + d/2	85+d/2	16	17,4	78	d63 - d225
67 + d/2	86+d/2	19	23,1	78	d63 - d225

PF 2 B3 A59 013



COOL-FIT 2.0/4.0 las-in-nippel PE/iFIT

uitvoering:

- materiaal: PE100, messing
- met las-in-nippel conus (PE100) en iFIT module (messing) voor de overgang naar COOL-FIT Push System of iFIT
- afdichting: O-ring EPDM

opmerking:

voor COOL-FIT 2.0, COOL-FIT 2.0F, COOL-FIT 4.0 en COOL-FIT 4.0F buizen met dimensies d63-d225

d1 (mm)	PN (bar)	Code	EUR	gewicht (kg)	z (mm)	P1 (mm)	d (mm)
25/32	16	738 110 407	128,00	0,228	92 + d/2	28	d63 - d225

PF 2 B3 B73 002



COOL-FIT 2.0/4.0 installatiegereedschap las-in-nippel

uitvoering:

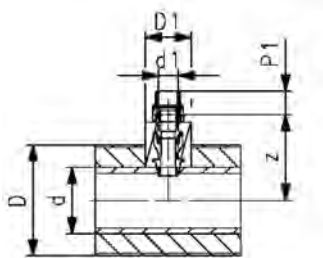
- Gereedschap voor de installatie van las-in-nippels op COOL-FIT buizen
- **(Type A)** Compleet: gereedschapskist uitgerust met alle noodzakelijke onderdelen om las-in-nippels 1/2"-1" en d16-d50 te installeren
- **(Type B)** Basis: gereedschapskist uitgerust met alle noodzakelijke onderdelen om las-in-nippels 1/2"-1" en d16-d32 te installeren en de mogelijkheid om te upgraden met d40+d50
- **(Type C)** Upgrade kit: kit om basisgereedschap tot compleet gereedschap te upgraden
- Versie 230V met AC stekker CEE 7/4 (Schuko)
- Versie 110V met AC stekker NEMA 5-15 geaard (Type B)

opmerking:

voor COOL-FIT 2.0, COOL-FIT 2.0F, COOL-FIT 4.0 en COOL-FIT 4.0F buizen met dimensies d63-d225

type	spanning	Code	EUR	gewicht (kg)
A	230 V	799 738 300	5.492,80	20,700
B	230 V	799 738 301	3.663,00	14,100
A	110 V	799 738 302	5.492,80	20,700
B	110 V	799 738 303	3.663,00	14,100
C		799 738 310	1.974,70	7,000

PF 2 B3 A59 013



COOL-FIT 4.0 las-in-nippel PE/Sanipex MT

uitvoering:

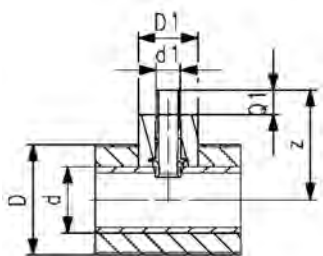
- materiaal: PE100, messing, ontzinkingsbestendig
- met las-in-nippel conus (PE100) en Sanipex MT adapter (messing) voor de overgang naar Sanipex MT
- afdichting: O-ring EPDM
- inclusief isolatiemateriaal van EPDM foam

opmerking:

voor COOL-FIT 4.0 en COOL-FIT 4.0F buizen met dimensies d63-d225

d1 (mm)	PN (bar)	Code	EUR	gewicht (kg)	z (mm)	P1 (mm)	db1 (mm)	D1 (mm)	d (mm)
32	16	738 113 508	142,80	0,245	49 + d/2	39	11,8	78	d63 - d225

PF 2 B3 A59 013



COOL-FIT 4.0 las-in-nippel PE spie-eind

uitvoering:

- materiaal: PE100
- met las-in-nippel conus (PE100) en metrisch spie-eind SDR11 voor overgangen naar COOL-FIT 4.0 fittingen type A of PE Fittingen
- inclusief isolatiemateriaal van EPDM foam

opmerking:

voor COOL-FIT 4.0 en COOL-FIT 4.0F buizen

d1 (mm)	SDR	PN (bar)	Code	EUR	gewicht (kg)	z (mm)	Q1 (mm)	D1 (mm)	d (mm)
32	11	16	738 113 608	258,70	0,075	125 + d/2	36	78	d63 - d225
40	11	16	738 113 609	317,60	0,107	131 + d/2	40	85	d75 - d225
50	11	16	738 113 610	383,30	0,163	140 + d/2	44	110	d90 - d225

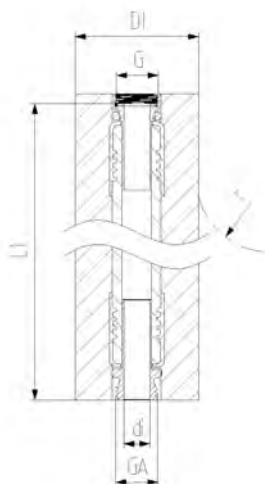
COOL-FIT 4.0 flexibele slangen

PF 2 B3 A60 002

COOL-FIT 4.0 flexibele slang

uitvoering:

- EPDM flexibele aansluitslang met RVS bescherming
- RVS adapters 1.4404 / 316L
- isolatie gemaakt van EPDM schuim met robuuste buitenmantel
- met losse wartelmoer G aan de ene zijde en buitendraad GA aan de andere zijde



d (mm)	DN (mm)	draad	afm. (inch)	G/GA (inch)	PN (bar)	Code	EUR	L1 (mm)	di (mm)	D1 (mm)	r (mm)
20	15	G/GA	½	1/2"	10	738 923 206	184,40	1000	15	72	119
25	20	G/GA	¾	3/4"	10	738 923 207	207,80	1000	19	82	156
32	25	G/GA	1	1"	10	738 923 208	241,40	1000	25	92	192
40	32	G/GA	1 ¼	1 1/4"	8	738 923 209	404,90	1500	32	95	252
50	40	G/GA	1 ½	1 1/2"	6	738 923 210	544,20	2000	38	110	312
63	50	G/GA	2	2"	6	738 923 211	708,60	2000	52	123	372

COOL-FIT 4.0 afsluiters

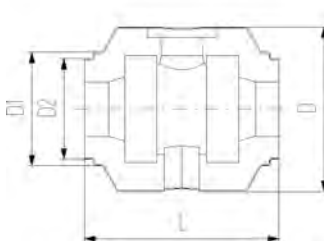
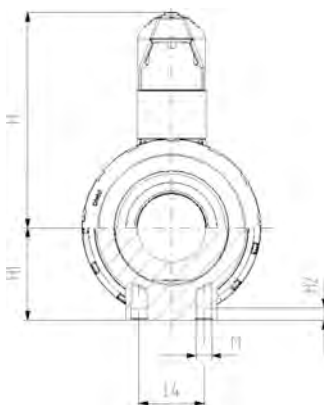
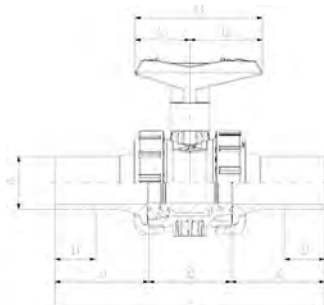
COOL-FIT 4.0 valves

PF 2 B3 B03 001

COOL-FIT 4.0 kogelkraan type 546 Pro, handbediend

uitvoering:

- materiaal: ABS met spie-eind PE100 SDR11, metrisch
- kogelafdichting uit PTFE
- geïntegreerde draadbussen (inserts) voor de bevestiging van de afsluiter
- inclusief halve schalen isolatie
- voor verbinden zijn separaat fittingen nodig



d (mm)	DN (mm)	PN	kv-waarde ($\Delta p=1$ bar) (L/min)	SDR	EPDM Code	EUR	gewicht (kg)
32	25	10	700	11	138 546 108	204,30	0,542
40	32	10	1000	11	138 546 109	271,70	0,887
50	40	10	1600	11	138 546 110	305,70	1,165
63	50	10	3100	11	138 546 111	411,60	2,100
75	65	10	5000	11	138 546 112	840,70	5,125
90	80	10	7000	11	138 546 113	1.156,90	7,173

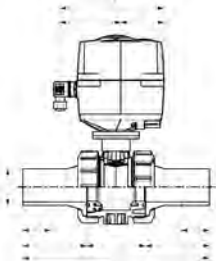
d (mm)	DN (mm)	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L3 (mm)	H (mm)	H1 (mm)	H2 (mm)	z (mm)	z1 (mm)	z2 (mm)
32	25	135	97	82	152	36	97	98	36	12	223	76	76
40	32	157	117	97	170	40	128	119	44	15	249	82	82
50	40	169	117	97	184	44	128	125	51	15	271	91	91
63	50	204	132	117	227	48	152	150	64	15	321	110	110
75	65	235	147	132	276	55	270	194	85	15	386	125	125
90	80	255	168	147	297	62	270	200	105	15	421	140	140

COOL-FIT 4.0 kogelkraan type 179, elektrisch

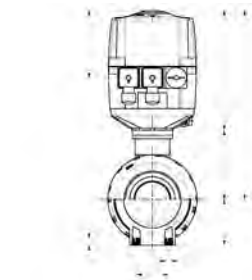


uitvoering:

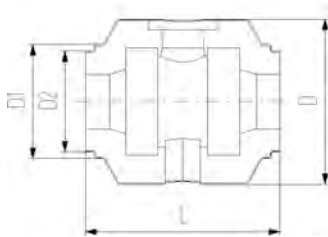
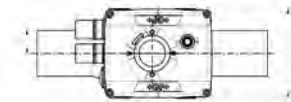
- materiaal: ABS met spie-eind PE100 SDR11, metrisch
- kogelafdichting uit PTFE
- geïntegreerde draadbussen (inserts) voor de bevestiging van de afsluiter
- spanning 100-230V, 50-60Hz
- fabrieksinstelling stelbereik 90°
- verwarmingselement, positie-indicatie (open/gesloten/midden)
- inclusief halve schalen isolatie
- voor verbinden zijn separaat fittingen nodig



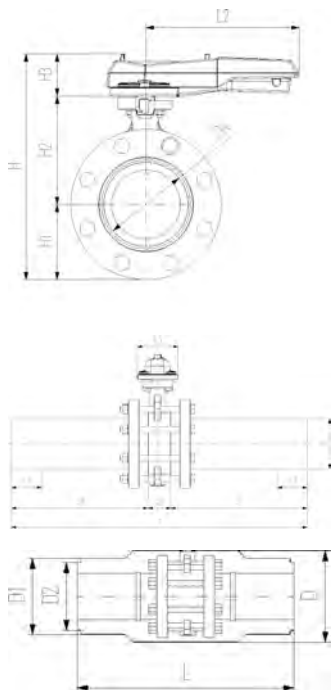
d (mm)	DN (mm)	PN (bar)	kv-waarde ($\Delta p=1$ bar)	SDR	Code	EUR	gewicht (kg)
32	25	10	700	11	138 546 208	1.587,70	2,838
40	32	10	1000	11	138 546 209	1.727,00	3,174
50	40	10	1600	11	138 546 210	1.792,70	3,452
63	50	10	3100	11	138 546 211	1.912,10	4,475
75	65	10	5000	11	138 546 212	2.223,50	7,156
90	80	10	7000	11	138 546 213	2.978,90	13,000



d (mm)	DN (mm)	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L3 (mm)	L4 (mm)	H (mm)	H1 (mm)	H2 (mm)	z (mm)	z1 (mm)	z2 (mm)	M
32	25	135	97	82	152	36	190	25	228	36	12	223	76	71	M6
40	32	157	117	97	170	40	190	45	240	44	15	249	82	85	M8
50	40	169	117	97	184	44	190	45	246	51	15	271	91	89	M8
63	50	204	132	117	227	48	190	45	263	64	15	321	110	101	M8
75	65	235	147	132	276	55	190	70	322	85	15	386	125	136	M8
90	80	255	168	147	297	62	190	70	357	105	15	421	140	141	M8



PF 2 B3 B03 001



COOL-FIT 4.0 Wafer-type vlinderklep type 567 kit met handgreep met rasterinstellingen

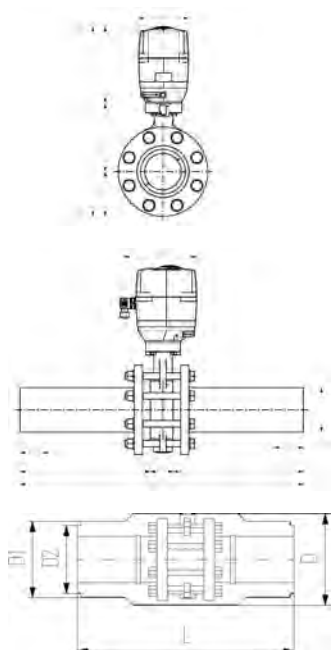
uitvoering:

- materiaal: ABS met spie-eind PE100 SDR11, metrisch
- inclusief flensadapters, overschuifflenzen PP-staal, bouten en halve schalen isolatie
- voor verbinden zijn separaat fittingen nodig

d (mm)	DN (mm)	PN	kv-waarde ($\Delta p=1$ bar) (L/min)	EPDM Code	EUR	gewicht (kg)
110	100	10	6500	138 567 114	1.881,10	8,950
140	125	10	11500	138 567 116	2.329,00	15,751
160	150	10	16600	138 567 117	2.686,70	17,975
225	200	10	39600	138 567 120	4.272,60	28,316

d (mm)	DN (mm)	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	z (mm)	z1 (mm)	z2 (mm)
110	100	310	188	168	556	72	255,0	106	325	104	167	55	696	320	56
140	125	280	233	222	670	84	252,5	58	369	119	180	70	830	383	64
160	150	358	259		720	90	255,0	115	401	143	203	55	895	412	72
225	200	409	325		776	110	408,0	149	465	170	210	85	996	462	73

PF 2 B3 B03 001



COOL-FIT 4.0 Wafer-type vlinderklep type 145 kit 100/230V zonder handbediening

uitvoering:

- materiaal: ABS met spie-eind PE100 SDR11, metrisch
- spanning 100-230V, 50-60Hz
- fabrieksinstelling stelbereik 90°
- verwarmingselement, positie-indicatie (open/gesloten/midden)
- inclusief flensadapters, overschuifflenzen PP-staal, bouten en halve schalen isolatie
- voor verbinden zijn separaat fittingen nodig

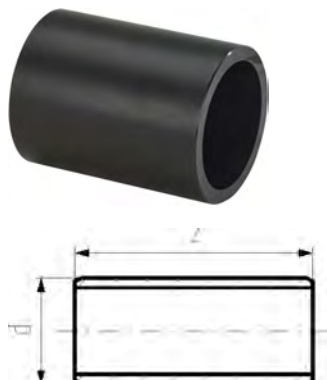
d (mm)	DN (mm)	PN	kv-waarde ($\Delta p=1$ bar) (L/min)	EPDM Code	EUR	gewicht (kg)
110	100	10	6500	138 567 214	3.774,90	13,320
140	125	10	11500	138 567 216	4.326,50	18,650
160	150	10	16500	138 567 217	5.146,60	22,346
225	200	10	39600	138 567 220	6.698,10	36,037

d (mm)	DN (mm)	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	z (mm)	z1 (mm)	z2 (mm)
110	100	310	188	168	552	72	179	122	460	104	167	190	696	320	56
140	125	280	233	222	670	84	172	179	475	119	173	183	830	383	64
160	150	358	259		720	90	179	122	535	143	203	190	895	412	72
225	200	409	325		776	110	179	122	580	170	210	200	996	462	73

COOL-FIT 4.0 accessoires

COOL-FIT 4.0 accessories

PF 2 B3 A60 001



COOL-FIT 2.0/4.0 PE nippel

uitvoering:

- PE100, SDR11/17, metrisch
- voor de kortst mogelijke verbinding tussen fittingen
- voor mediatemperatuur tussen 0°C tot 60°C
- COOL-FIT 4.0 zelfklevende ring - nodig voor verbinding

d (mm)	DN (mm)	SDR	PN	Code	EUR	gewicht (kg)	z (mm)
32	25	11	16	738 910 408	24,90	0,020	72
40	32	11	16	738 910 409	28,20	0,034	80
50	40	11	16	738 910 410	30,80	0,059	88
63	50	11	16	738 910 411	32,80	0,101	96
75	65	11	16	738 910 412	34,50	0,162	110
90	80	11	16	738 910 413	46,50	0,264	124
110	100	11	16	738 910 414	54,20	0,454	144
160	150	17	10	738 910 417	177,80	0,798	180
225	200	17	10	738 910 420	251,70	1,885	220

PF 2 B3 A60 001



COOL-FIT 2.0/4.0 zelfklevende ring

uitvoering:

- dubbelzijdig klevend, voor afdichten bij gebruik van PE nippel (voor de kortst mogelijke verbinding tussen fitting/fitting)

d (mm)	D (mm)	d COOL-FIT 4.0 (mm)	d COOL-FIT 2.0 (mm)	Code	EUR	gewicht (kg)
32	75		32	738 010 012	6,60	0,002
32 - 50	90	32	40 - 50	738 010 013	7,00	0,002
40 - 63	110	40 - 50	63	738 010 014	7,40	0,003
63 - 75	125	63	75	738 010 015	7,70	0,003
75 - 90	140	75	90	738 010 016	8,00	0,003
90 - 110	160	90	110	738 010 017	8,50	0,005
110	180	110		738 010 018	10,50	0,005
140	200		140	738 010 019	12,50	0,006
140	225	140		738 010 020	13,30	0,009
160	250	160		738 010 021	14,40	0,009

PF 2 B3 B73 001



COOL-FIT 4.0 montagehulpkit Type B

uitvoering:

- voor een eenvoudige montage van de COOL-FIT 4.0 fitting op de COOL-FIT 4.0 buis

d (mm)	D (mm)	Code	EUR	gewicht (kg)	stuks per kit
32	90	799 738 511	32,60	0,384	6
40 - 50	110	799 738 512	36,50	0,456	6
63	125	799 738 513	38,10	0,504	6
75	140	799 738 514	40,30	0,564	6
90	160	799 738 515	46,20	0,636	6

tabel gaat verder op volgende pagina

PF 2 B3 B73 001

d (mm)	D (mm)	Code	EUR	gewicht (kg)	stuks per kit
110	180	799 738 516	50,20	0,708	6
140	225	799 738 518	32,90	0,131	4
160	250	799 738 519	36,70	0,620	4
225	315	799 738 522	41,40	0,760	4

PF 2 B3 A60 001



COOL-FIT 4.0 isolatieplug voor lasindicator

uitvoering:

- type A geschikt voor COOL-FIT 4.0 fittingen d32-d110
- type B geschikt voor COOL-FIT 4.0 fittingen d160 en mof d225
- type C geschikt voor COOL-FIT 4.0 fittingen d225 uitgezonderd mof

d (mm)	Code	EUR	gewicht (kg)	type	pieces/kit
32 - 110	738 010 052	23,10	0,090	A	20
140 - 225	738 010 053	15,00	0,200	B	10
225	738 010 054	23,10	0,033	C	10

PF 2 B3 A60 001



COOL-FIT 4.0 isolatieplug voor lasindicator, mof d250-d450

- geschikt voor COOL-FIT 4.0 moffen d250-d450
- isolatieplug voor laspen en lasindicator
- 2,5m op een rol, 20mm diameter, PE-schuim met gesloten celstructuur

d (mm)	Code	EUR	gewicht (kg)
250 - 450	738 010 055	11,30	0,500

PF 2 B3 A60 001



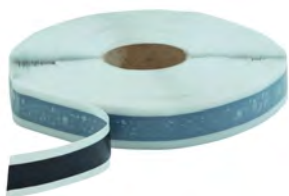
COOL-FIT 4.0 afdichtende klemkit

uitvoering:

- ondersteunt de functie van de bovenste afdichtingslip van COOL-FIT 4.0 fittingen voor verticale installaties buiten
- materiaal: RVS 304/V2A
- kleur: zwart

d (mm)	D (mm)	Code	EUR	gewicht (kg)	pieces/kit
32	90	738 013 013	17,90	0,250	6
40 - 50	110	738 013 014	18,40	0,300	6
63	125	738 013 015	20,40	0,300	6
75	140	738 013 016	21,00	0,300	6
90	160	738 013 017	22,50	0,300	6
110	180	738 013 018	23,60	0,300	6
140	225	738 013 020	25,80	0,300	6
160	250	738 013 021	26,20	0,390	6
225	315	738 013 023	34,90	0,450	6

PF 2 B3 A60 001



COOL-FIT 4.0 afdichtingstape 25mm

uitvoering:

- ondersteunt de functie van de bovenste afdichtingslip van COOL-FIT 4.0 fittingen voor verticale installaties buiten
- 30m op rol, 25mm breed, butyl rubber

d (mm)	D (mm)	Code	EUR	gewicht (kg)
32 - 225	90 - 315	738 013 031	37,80	1,400

PF 2 B3 A60 001



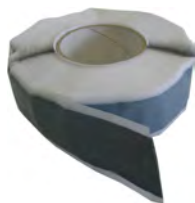
COOL-FIT 2.0 / 4.0 overgangstape

uitvoering:

- voor een vocht- en dampdichte overgang van isolaties van COOL-FIT 4.0 naar COOL-FIT 2.0
- 4,5m butyl rubber op rol

d (mm)	D (mm)	Code	EUR	gewicht (kg)
32-140	90-225	738 013 041	52,00	1,400

PF 2 B3 A60 001



COOL-FIT 4.0 afdichtingstape 40mm

uitvoering:

- voor een water- en stoomdichte afdichting voor inspectieopeningen met krimpmof
- afdichtingstape: 40mm breed, butyl rubber
- rol: 30 m

D (mm)	d-d (mm)	Code	EUR	gewicht (kg)	inch bena- dering (inch)
250 - 630	25 - 450	738 011 152	184,80	2,134	¾ - 18

PF 2 B3 A60 001



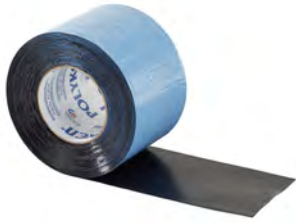
COOL-FIT 4.0 krimpmof, PE

uitvoering:

- voor een water- en dampdichte afdichting van verbindingen in combinatie met dubbelzijdig afdichtingstape
- lengte = 100 mm
- zware uitvoering
- voor verbindingen van gelijke buisbuitendiameters

d (mm)	D (mm)	Code	EUR	SP	gewicht (kg)	L (mm)
250	355	738 011 024	134,40	1	0,900	150
280	400	738 011 025	144,50	1	1,100	150
315	450	738 011 026	209,80	1	1,900	150
355	500	738 011 027	221,90	1	1,000	150
400	560	738 011 028	293,90	1	1,000	150
450	630	738 011 029	334,90	1	1,000	150

PF 2 B3 A60 001



koud krimband, zwart, PE

uitvoering:

- alleen geschikt voor binnentoepassingen
- breedte (L): beschikbaar in 100 mm
- rol: 15 m
- zelfvulkaniserend

D (mm)	d-d (mm)	Code	EUR	gewicht (kg)	inch bena- dering (inch)
90 - 630	25 - 450	738 011 107	365,20	1,400	3/4 - 18

PF 2 B3 A60 001



warm krimband, zwart, PE

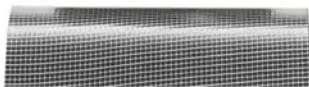
uitvoering:

- voor een waterdichte afdichting van mantelbuis in ondergrondse installaties
- met lijm bekleed
- rol: 30 m
- krimpen met brander of föhn
- afdichtingsband separaat bestellen (artikelnummer 738 011 109)

D (mm)	d-d (mm)	Code	EUR	gewicht (kg)	L (mm)
355 - 630	250 - 455	738 011 108	2.262,40	3,000	150

Aussenrohr D/ jacket pipe D (mm)	Länge Schrumpfband/ shrink tape length (mm)
355	1210
400	1350
450	1500
500	1660
560	1850
630	2070

PF 2 B3 A60 001



afdichtingsband

uitvoering:

- voor het afdichten van warm krimband in ondergrondse installaties
- met lijm bekleed
- 1 stuk nodig per afdichting

D (mm)	d-d (mm)	Code	EUR	gewicht (kg)	L (mm)
90 - 630	25 - 450	738 011 109	8,60	0,100	150

PF 3 10 588 500

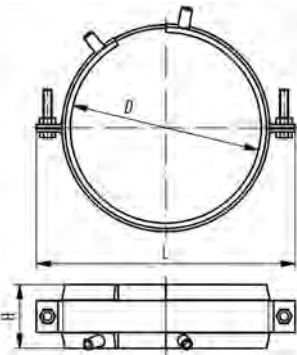


Long adapters

- adapters voor elektroslasmachines met 4 mm aansluitingen
- langere versie, geschikt voor alle COOL-FIT 4.0 afmetingen

type	Code	EUR	gewicht (kg)	omschrijving
4,0 mm	790 128 035	139,10	0,058	twee hoekadapters, zwart

PF 2 B3 A60 006



COOL-FIT 2.0/4.0 vastpuntfitting

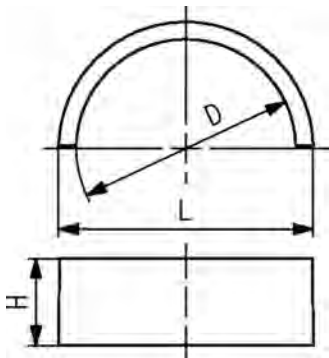
uitvoering:

- het product bestaat uit twee onderdelen: elektroslasbanden en buisklemmen
- elektroslasband voor een permanente verbinding om de krachten op te vangen die optreden in de buis in de vastpuntfitting
- de meegeleverde buisklemmen zijn noodzakelijk voor de stabiliteit en de lasdruk tijdens het lasproces
- gebruik voor het lassen een MSA2.x, MSA4.x, MSA 250, 300, 350, 400 of een andere beschikbare 220V lasmachine
- maak gebruik van de adapter 799 350 339 of de Y-kabelset 790 156 032 bij een MSA lasmachine van GF Piping Systems
- neem de maximaal toelaatbare druk in acht; zie tabel
- **vastpuntklemmen en kruisklemmen moeten worden berekend en geleverd door de installateur deze worden niet meegeleverd met de vastpuntset van GF**

D (mm)	d COOL-FIT 4.0 (mm)	d COOL-FIT 2.0 (mm)	Code	EUR	SP	gewicht (kg)
75		32	738 912 012	229,10	1	0,750
90	32	40 - 50	738 912 013	235,80	1	0,895
110	40 - 50	63	738 912 014	261,50	1	0,904
125	63	75	738 912 015	302,40	1	1,103
140	75	90	738 912 016	340,00	1	1,188
160	90	110	738 912 017	419,10	1	1,177
180	110		738 912 018	490,70	1	1,530
200		140	738 912 019	543,50	1	1,600
225	140		738 912 020	559,80	1	1,813
250	160		738 912 021	629,20	1	1,957
315	225		738 912 023	704,90	1	2,388
355	250		738 912 024	928,30	1	2,388

D (mm)	L (mm)	H (mm)	max aandraaimoment COOL-FIT 4.0 (kN)	max aandraaimoment COOL-FIT 2.0 (kN)
75	150	60		2.0
90	170	60	2.0	3.0 / 5.0
110	180	60	3.0 / 5.0	8.0
125	215	60	8.0	10.0
140	220	60	10.0	10.0
160	255	60	10.0	10.0
180	255	60	10.0	
200	310	60		10.0
225	310	60	10.0	
250	335	60	10.0	
315	400	60	10.0	
355	420	60	10.0	

PF 2 B3 A60 005



COOL-FIT 4.0F vastpuntfitting

uitvoering:

- Vier PVC-U halve ringen als permanente verbinding om de krachten die in de buis optreden over te brengen naar het vaste punt
- gebruik voor lijmen Tangit Rapid, Tangit Rapid cartridge kit en het Tangit Rapid pneumatische lijmpistool
- neem de maximaal toelaatbare druk in acht; zie tabel
- **vastpuntklemmen en kruisklemmen moeten worden berekend en geleverd door de installateur deze worden niet meegeleverd met de vastpuntset van GF**

d (mm)	D (mm)	Code	EUR	SP	gewicht (kg)	L (mm)	H (mm)	max andraaimoment (kN)
160	250	738 912 321	121,20	1	1,957	284	35	10.0
225	315	738 912 323	164,90	1	2,388	356	35	10.0

PF 3 10 588 900

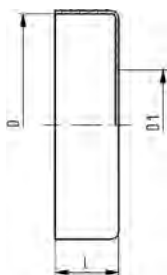


COOL-FIT Y cables kit

- de COOL-FIT Y-kabels worden gebruikt om het lasproces van de elektrodeband bij vastpuntfittingen te versnellen met de Y-kabels kunnen tegelijk twee elektrodebanden worden gelast; dit halveert de totale tijd van het lasproces
- compatibel met alle MSA lasmachines

type	Code	EUR	gewicht (kg)
set van 4 kabels met 2 mm stekkers	790 156 032	278,20	0,385

PF 2 B3 A60 001



COOL-FIT 4.0 eindkap

uitvoering:

- ter bescherming van de isolatie aan het eind van een COOL-FIT 4.0 leidingsysteem

D (mm)	D1 (mm)	d (mm)	Code	EUR	gewicht (kg)	L (mm)
355	265	250	733 960 185	369,00	0,155	35
400	300	280	733 960 186	401,00	0,185	35
450	335	315	733 960 187	430,60	0,225	35
500	370	355	733 963 188	526,20	0,269	35
560	420	400	733 963 189	620,10	0,269	35
630	470	450	733 963 190	681,70	0,269	35

PF 2 28 473 002



Tangit KS-reinigingsdoekjes

- speciale reiniger voor kunststof lasverbindingen in de materialen PP, PE, PVDF, PB, ECTFE en IR PVC-U
- Geschikt voor Tangit Rapid; niet gebruiken bij een lijmverbinding

Code	EUR	SP	hoeveelheid
200 000 524	52,20	8	100 stuks

PF 2 28 473 010



Tangit RAPID cartridge kit

- 2 componentenlijm
- voor PVC-U en PVC-C
- Tangit RAPID kit bestaat uit 6 cartridges, 12 mengbuisjes en 2 kunststof kwasten
- benodigd gereedschap: Tangit RAPID verdeelpistool en mengbuisjes
- Check chemische resistentielijst (www.gfps.com)

Code	EUR	SP	gewicht (kg)	omschrijving	taal
799 302 041	320,40	1	0,566	50 ml	FR, NL
799 302 007	1.264,10	1	3,700	400 ml	DE, ES, FR, GB, IT, NL, PT

PF 2 28 473 010



Tangit RAPID lijmpistool

- voor Tangit RAPID cartridges

d-d (mm)	Code	EUR	SP	gewicht (kg)	omschrijving
16 - 140	799 302 011	158,10	1	0,185	50ml
110 - 400	799 302 013	558,60	1	1,100	400ml

PF 2 51 305 001



markeerstift

type	Code	EUR	gewicht (kg)
zilver	799 350 364	9,10	0,010

COOL-FIT 4.0 gereedschap

also available in rental pool GF Epe

PF 2 B3 B73 001



COOL-FIT 2.0/4.0 buisschiller en foamverwijderaar

uitvoering:

- gereedschap voor het verwijderen van de foam en het schillen van het losse buiseind van COOL-FIT 2.0 en 4.0 buizen

d (mm)	SDR	Code	EUR	gewicht (kg)
32-90	SDR11	799 738 001	3.837,30	10,500
110-225	d110+d140 SDR11; d160+d225 SDR17	799 738 003	5.055,00	16,500
250-450	SDR17	799 738 004	16.704,00	71,000

PF 2 B3 B73 001



Upgrade voor COOL-FIT 2.0/4.0 buisschiller en foamverwijderaar d110-d225 (799738003)

uitvoering:

- Upgrade voor COOL-FIT 2.0/4.0 buisschiller en foamverwijderaar d110-d225 (799738003)
- Voor het gemakkelijker verwijderen van de foam en het schillen van het losse buiseind van COOL-FIT 2.0 en 4.0 buizen in dimensies d140-d225

opmerking:

De spil en klemmen van de COOL-FIT 2.0/4.0 buisschiller en foamverwijderaar 799738003 moeten worden gebruikt

d (mm)	Code	EUR	gewicht (kg)
140-225	799 738 013	4.848,20	50,000

PF 2 B3 B73 999



Vervangingsmes foamverwijderaar

- Geschikt voor COOL-FIT 2.0/4.0 buisschiller en foamverwijderaar (799 738 004) en upgrade kit d140-d225 (799 738 013)

Code	EUR	gewicht (kg)	Suitable for
799 738 115	125,40	0,100	799 738 004
799 738 117	282,20	0,080	799 738 013

PF 2 B3 B73 999



Set met cirkelvormige messen

- Geschikt voor COOL-FIT 2.0/4.0 buisschiller en foamverwijderaar (799 738 001 en 799 738 003)
- Bestaat uit: Cirkelvormig mes, houder en schroef

d (mm)	Code	EUR	gewicht (kg)
32 - 90	799 738 048	708,90	0,025
110 - 225	799 738 049	806,70	0,025

MSA 2.1 automatische elektrolasmachine met protocollering



De MSA 2.1 automatische elektrolasmachine combineert licht gewicht en hoge efficiency dankzij de omvormer technologie en biedt bovendien lasdocumentatie in PDF. De machine is extreem snel en eenvoudig te bedienen, met drie basishandelingen kan de machine worden bediend: aansluiten, scannen en lassen.

Robuust, veilig en ergonomisch.

Alles is erop gericht om het proces te vereenvoudigen: de barcodescanner; lange afstand leesmogelijkheid, het afkoelsysteem om in serie te lassen, icoongebruik.

Het gehele lasproces wordt gecontroleerd en gereguleerd met energie-output-compensatie, afhankelijk van de omgevingstemperatuur en indicatie koeltijd.

Het interne Bluetooth Low Energy-apparaat biedt de mogelijkheid om het lasproces op afstand te bewaken en de gegevens die die via smartphones zijn gemaakt te verzamelen en zelfs in realtime naar kantoor te sturen.

De lasmachine heeft een intern geheugen van 1000 protocollen. De gebruiker kan de lasrapporten eenvoudig als pdf naar een USB stick kopiëren om uit te printen.

Geleverd wordt: transportkoffer, 4.0 mm en 4.7 mmhoekadapters, START/STOP badge, bedieningshandleiding en USB stick met PC applicaties.

Technische gegevens:

- werkteemperatuur: -20°C tot +50°C
- netspanning en frequentie: 230V (190V - 265V), 50-60Hz
- lasvoltage: 8-42 V (48 V)
- input lasgegevens: barcode, handmatig
- lasspanning: max. 90 A
- geadviseerde powergenerator: 3,5 kVA
- USB poort: type A
- beschermingsfactor: klasse 1 / IP65
- voedingskabel: 4 m (8 m alleen voor code 790156010) / laskabel: 4 m
- gewicht: ca. 11,9 kg
- display: grafisch LCD; contrast aan te passen
- afhankelijk van talen
- Bluetooth radio interface

	type	Code	EUR	gewicht (kg)
mini lasboekje, met handscanner en transportkoffer		790 156 003	5.442,10	11,900
8 m laskabel, mini lasboekje, met handscanner en transportkoffer		790 156 010	8.056,40	12,900



viervoudige klem met universele verbinding in verschillende maten

- aanbevolen voor de installatie van ELGEF Plus en ecoFIT fittingen d40 - 200 en d160 - 630mm
- aanbevolen voor de installatie van COOL-FIT fittingen d32/D75 - d140/D200 en d160/D250 - d450/D630
- de klem zorgt voor een spanningsvrije installatie en voorkomt het uitglijden en verdraaien tijdens het lasproces en de afkoelperiode
- met de centrale aanpasbare universele verbinding kunnen elektrolaskoppelingen, knieën en reducties geïnstalleerd worden
- universeel gebruik: gaat boven, onder en op gelijke hoogte van de verbinding
- adapter beschikbaar voor T-stukken (zie toebehoren)

d (mm)	d1 (mm)	Code	EUR	gewicht (kg)	omschrijving	lengte (mm)	breedte (mm)	hoogte (mm)
40	200	799 301 489	1.603,20	8,300	geleverd wordt: 4 x V-blok, 2 x rechte stang, 1 x universele verbinding	900	290	230
160	630	799 301 495	3.650,10	23,300	geleverd wordt: 4 x V-blok, 2 x rechte stang, 1 x universele verbinding	1300	670	550

PF 2 51 305 008



T-adapter

- geschikt voor klemgereedschap (799301489 - 495)

d (mm)	d1 (mm)	Code	EUR	gewicht (kg)	omschrijving	lengte (mm)	breedte (mm)	hoogte (mm)
40	200	799 301 491	265,30	0,610	T-adapter	600	50	40
160	630	799 301 497	363,80	3,500	T-adapter	1070	75	60

PF 2 51 305 008



V-blok

- geschikt voor klemgereedschap (799301489 - 495)

d (mm)	d1 (mm)	Code	EUR	gewicht (kg)	omschrijving	lengte (mm)	breedte (mm)	hoogte (mm)
40	200	799 301 492	252,70	1,000	V-blok compleet	290	230	65
160	630	799 301 498	536,40	3,200	V-blok compleet	660	430	90

PF 2 51 305 008



stangverlenging

- geschikt voor klemgereedschap (799301489 - 495)

d (mm)	d1 (mm)	Code	EUR	gewicht (kg)	omschrijving	lengte (mm)	breedte (mm)	hoogte (mm)
160	630	799 301 499	252,70	1,000	stangverlenging	1000	40	40

COOL-FIT 4.0 verwarming

COOL-FIT 4.0 Heat Tracing

PF 2 B3 K01 001



Elektronische controller voor vorstbescherming van leidingen

De controller is ontworpen voor gebruiksvriendelijke meting en regeling voor de zelfregelende verwarmingskabel voor COOL-FIT. De controller heeft een 25 A controle relais en een SPDT alarmrelais. Parametereven eventuele alarmcondities worden weergegeven op het digitale display en instellingen kunnen eenvoudig worden geprogrammeerd, zelfs zonder stroomvoorziening. De controller wordt geleverd met een NTC-temperatuursensor voor een efficiënte detectie van de mediumtemperatuur, en een montageerbare DIN-rail 35 mm voor eenvoudige montage optie aan muren.

uitvoering:

- eenvoudige instelling en programmering van het apparaat
- flexibele temperatuur controle voor vorstbescherming van leidingen
- detectie van de temperatuur van het medium en/of de omgevingstemperatuur
- Proportional Ambient Sensing Control (PASC) voor meer energiebesparing
- alarmrelais met wisselcontact om stroom-, temperatuur- of communicatieproblemen te signaleren
- leidingtemperatuur monitoring met hoog en laag temperatuur alarm
- aan de muur te bevestigen voor plaatsing op buitenlocaties

Code	EUR
790 738 031	1.211,00

PF 2 B3 K01 001



Zelfregelende verwarmingskabel

uitvoering:

- voor vorstbescherming van leidingen
- op lengte gesneden op locatie
- geschikt voor in-pipe toepassingen (in het medium)
- onderhoudsvrij na installatie en ingebruikname
- geen risico op overhitting door zelfregulerende technologie
- Kabels voorzien van zelfregulerende technologie. De warmteafgifte past zich automatisch aan, afhankelijk van de temperatuur op elk punt van de lengte. Geen oververhitting, zelfs bij overlapping.

L (m)	Code	EUR	gewicht (kg)
200	790 738 001	9.702,30	14,400
62	790 738 003	3.007,70	4,460
40	790 738 005	1.940,40	2,280
20	790 738 007	970,30	1,440

PF 2 B3 K01 001



Programmeerbare oppervlakgevoelige thermostaat met alarmrelais

- De oppervlakgevoelige thermostaat is ontworpen voor gebruiksvriendelijke meting en controle voor verwarmingskabels. De thermostaat heeft een 25 A controlerelais (dat voltvrij kan worden ingesteld) en een 2 A voltvrij SPDT alarmrelais. Parameter en eventuele alarmcondities worden getoond op het digitale display en instellingen kunnen eenvoudig worden geprogrammeerd, zelfs zonder voeding. De thermostaat wordt geleverd met een Pt100-sensor. Deze sensor heeft een siliconen verlengkabel van 3m waardoor de elektronica op afstand van de sensor kan worden geplaatst. Twee M25-ingangen zorgen ervoor dat de stroomkabel en verwarmingskabel rechtstreeks op de unit aangesloten kan worden.

Code	EUR
790 738 030	926,50

PF 2 B3 K01 001



Kabelwartel

- Om de verwarming binnen en buiten de COOL-FIT 4.0 leidingen via schroefdraadfitting te leiden
- uitvoering:**
- materiaal: messing
 - schroefdraadverbinding: 3/4 " buitendraad R

R (inch)	Code	EUR	gewicht (kg)
3/4	790 738 020	64,30	0,146

PF 2 B3 K01 001



Koude lood verbinding en afdichtingskit

- Voor COOL-FIT verwarmingskabels

uitvoering:

- Warmte-krimp techniek

inclusief:

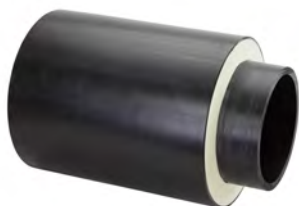
- Krimpconnectoren
- Krimpsokken koud lood
- Krimpsokken eindkap
- Mastic

Code	EUR	gewicht (kg)
790 738 010	59,30	0,045

SPECIAL COOL-FIT 4.0 SDR11

SDR11 version - Make to order production!

PF 2 B3 A58 001



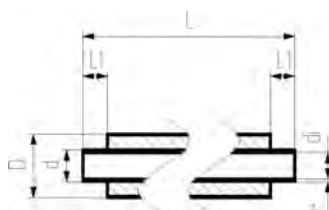
COOL-FIT 4.0 buis, d160-450 SDR11

uitvoering:

- voorgeïsoleerd PE100 SDR 11, metrisch
- isolatiemateriaal: GF HE foam
- robuuste buitenmantel, kleur: zwart
- Lengte: 5m voor d160+d225, 5.9m voor d250-d450
- met buiseinde voor elektrolassen

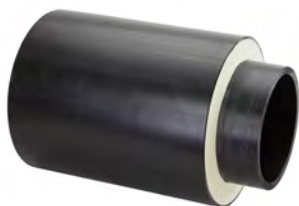
opmerking:

Op bestelling te maken



d (mm)	D (mm)	DN (mm)	SDR	PN (bar)	Code	EUR / m	gewicht (kg/m)	di (mm)	L (mm)	L1 (mm)
160	250	150	11	16	738 173 267	298,20	12,213	130,8	5000	90
225	315	200	11	16	738 173 270	512,70	21,169	184,0	5000	110
250	355	250	11	16	738 173 271	692,10	24,681	204,6	5900	123
280	400	250	11	16	738 173 272	876,70	31,731	229,2	5900	126
315	450	300	11	16	738 173 273	1.052,00	39,333	257,8	5900	133
355	500	350	11	16	738 173 274	1.418,20	49,614	290,6	5900	148
400	560	400	11	16	738 173 275	1.548,20	62,811	327,4	5900	150
450	630	450	11	16	738 173 276	1.933,80	76,431	368,2	5900	165

PF 2 B3 A58 001



COOL-FIT 4.0 buis, d160-450 SDR11 11.9m lengte

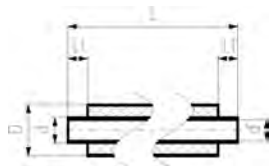
uitvoering:

- voorgeïsoleerd PE100 SDR 11, metrisch
- isolatiemateriaal: GF HE foam
- robuuste buitenmantel, kleur: zwart
- lengte: 11.9m
- met buiseinde voor elektrolassen

opmerking:

Overweeg mogelijkheden voor vervoer en behandeling

Op bestelling te maken



d (mm)	D (mm)	DN (mm)	SDR	PN (bar)	Code	EUR / m	gewicht (kg/m)	di (mm)	L (mm)	L1 (mm)
160	250	150	11	16	738 173 287	382,10	12,213	130,8	11900	90
225	315	200	11	16	738 173 290	512,70	21,169	184,0	11900	110
250	355	250	11	16	738 173 291	651,10	24,681	204,6	11900	123
280	400	250	11	16	738 173 292	825,00	31,731	229,2	11900	126
315	450	300	11	16	738 173 293	989,90	39,333	257,8	11900	133
355	500	350	11	16	738 173 294	1.213,90	49,614	290,6	11900	148
400	560	400	11	16	738 173 295	1.456,80	62,811	327,4	11900	150
450	630	450	11	16	738 173 296	1.819,60	76,431	368,2	11900	165

PF 2 B3 A59 001

COOL-FIT 4.0 mof, d250-d450, SDR11



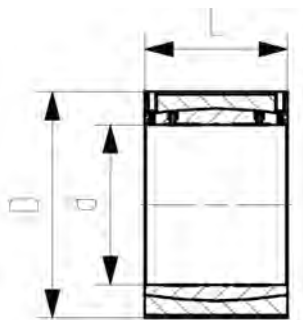
uitvoering:

- voorgeïsoleerd PE100 SDR 11, metrisch
- isolatiemateriaal: GF HE foam
- slagvaste buitenmantel kleur: zwart

opmerking:

Op bestelling te maken

d (mm)	DN (mm)	PN (bar)	SDR	Code	EUR	gewicht (kg)	L (mm)
250	250	16	11	738 913 271	644,00	6,352	247
280	250	16	11	738 913 272	806,10	9,910	252
315	300	16	11	738 913 273	969,50	11,150	267
355	350	16	11	738 913 274	1.231,90	17,356	290
400	400	16	11	738 913 275	1.382,90	23,770	294
450	450	16	11	738 913 276	1.672,30	31,290	326



PF 2 B3 A59 002

COOL-FIT 4.0 bocht 90°, d250-d450, SDR11



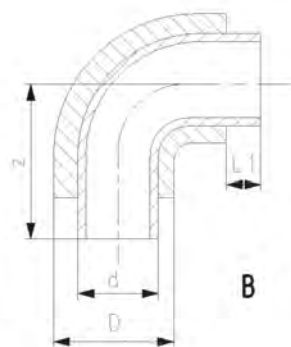
uitvoering:

- voorgeïsoleerd PE100 SDR 11, metrisch
- isolatiemateriaal: GF HE foam
- robuuste buitenmantel, kleur: zwart
- B: spie-eind fitting met een vrij einde (separate elektroslasfitting nodig voor een verbinding)

opmerking:

Op bestelling te maken

d (mm)	DN (mm)	PN (bar)	SDR	Code	EUR	gewicht (kg)	L1 (mm)	z (mm)	type
250	250	16	11	738 003 271	2.484,30	11,900	123	375	B
280	250	16	11	738 003 272	3.048,20	18,252	126	430	B
315	300	16	11	738 003 273	3.629,90	28,750	133	470	B
355	350	16	11	738 003 274	4.931,30	65,000	148	900	B
400	400	16	11	738 003 275	5.589,60	81,840	150	980	B
450	450	16	11	738 003 276	7.263,20	109,900	165	1070	B



COOL-FIT 4.0 bocht 45°, d250-d450, SDR 11



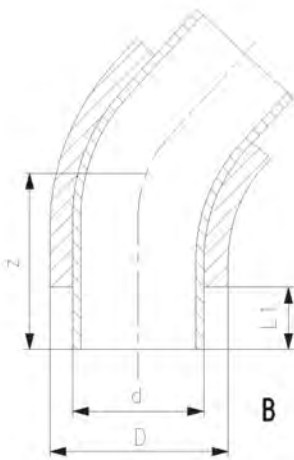
uitvoering:

- voorgeïsoleerd PE100 SDR 11, metrisch
- isolatiemateriaal: GF HE foam
- robuuste buitenmantel, kleur: zwart
- B: spie-eind fitting met een vrij einde (separate elektrofitting nodig voor een verbinding)

opmerking:

Op bestelling te maken

d (mm)	D (mm)	DN (mm)	PN (bar)	SDR	Code	EUR	gewicht (kg)	L1 (mm)	z (mm)	type
250	355	250	16	11	738 053 271	2.289,50	15,150	123	440	B
280	400	250	16	11	738 053 272	2.802,50	25,000	126	460	B
315	450	300	16	11	738 053 273	3.347,60	28,490	133	535	B
355	500	350	16	11	738 053 274	4.473,30	46,380	148	620	B
400	560	400	16	11	738 053 275	5.210,30	55,820	150	650	B
450	630	450	16	11	738 053 276	6.951,60	78,860	165	680	B



COOL-FIT 4.0 T-stuk 90° recht, d250-d450, SDR11



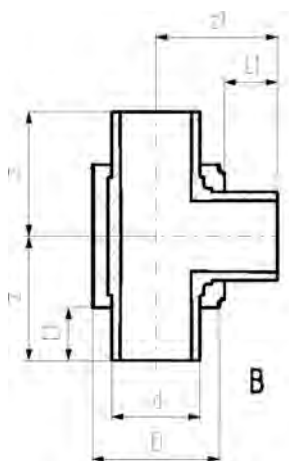
uitvoering:

- voorgeïsoleerd PE100 SDR 11, metrisch
- isolatiemateriaal: GF HE foam
- robuuste buitenmantel, kleur: zwart
- B: spie-eind fitting met een vrij einde (separate elektroslasfitting nodig voor een verbinding)

opmerking:

Op bestelling te maken

d (mm)	D (mm)	DN (mm)	PN (bar)	SDR	Code	EUR	gewicht (kg)	L1 (mm)	z (mm)	z1 (mm)	type
250	355	250	16	11	738 203 271	3.385,50	16,100	123	500	500	B
280	400	250	16	11	738 203 272	4.090,30	27,620	126	500	500	B
315	450	300	16	11	738 203 273	4.856,20	29,650	133	500	500	B
355	500	350	16	11	738 203 274	6.188,50	43,400	148	650	700	B
400	560	400	16	11	738 203 275	7.797,40	59,700	150	650	700	B
450	630	450	16	11	738 203 276	13.261,00	91,200	165	700	750	B



COOL-FIT 4.0 reductie, d250-d450, SDR11



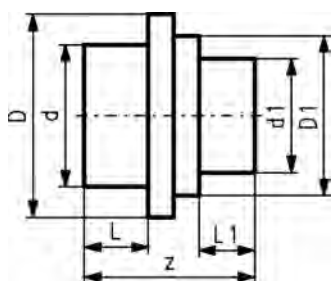
uitvoering:

- voorgeïsoleerd PE100 SDR 11, metrisch
- isolatiemateriaal: GF HE foam
- robuuste buitenmantel, kleur: zwart
- B: spie-eind fitting met een vrij einde (separate elektroslasfitting nodig voor een verbinding)

opmerking:

Op bestelling te maken

d (mm)	D (mm)	d1 (mm)	D1 (mm)	DN (mm)	SDR	PN (bar)	Code	EUR	gewicht (kg)	L (mm)	L1 (mm)	z (mm)	type
250	355	225	315	250	11	16	738 903 925	1.744,40	5,365	123	110	332	B
280	400	225	315	250	11	16	738 903 929	1.951,60	6,750	126	110	335	B
280	400	250	355	250	11	16	738 903 930	1.951,60	7,228	126	123	340	B
315	450	225	315	300	11	16	738 903 936	2.135,50	8,690	133	110	365	B
315	450	250	355	300	11	16	738 903 937	2.135,50	9,340	133	123	365	B
315	450	280	400	300	11	16	738 903 939	2.135,50	9,660	133	126	365	B
355	500	250	355	350	11	16	738 903 944	2.891,50	10,218	148	123	390	B
355	500	280	400	350	11	16	738 903 945	2.891,50	10,472	148	126	390	B
355	500	315	450	350	11	16	738 903 946	2.891,50	10,960	148	133	390	B
400	560	280	400	400	11	16	738 903 953	3.713,80	11,590	150	126	415	B
400	560	315	450	400	11	16	738 903 954	3.713,80	12,590	150	133	415	B
400	560	355	500	400	11	16	738 903 955	3.713,80	12,980	150	148	420	B
450	630	280	400	450	11	16	738 903 962	5.033,00	17,900	165	126	405	B
450	630	315	450	450	11	16	738 903 963	5.033,00	18,500	165	133	390	B
450	630	355	500	450	11	16	738 903 964	5.033,00	19,300	165	148	393	B
450	630	400	560	450	11	16	738 903 965	5.033,00	20,336	165	150	395	B



PF 2 B3 B73 001



COOL-FIT 2.0/4.0 buisschiller en foamverwijderaar SDR11

uitvoering:

- gereedschap voor het verwijderen van de foam en het schillen van het losse buiseind van COOL-FIT 2.0 en 4.0 buizen

d (mm)	Code	EUR	gewicht (kg)	SDR
110-225	799 738 015	5.055,30	16,500	SDR11
250-450	799 738 016	16.705,10	71,000	SDR11

PF 2 B3 B73 999



Klembeugelset d250-d450, SDR11

- Geschikt voor COOL-FIT 2.0/4.0 buisschiller en foamverwijderaar (799 738 004)
- Type A: Spindelstart
- Tpe B: met buisstop

d (mm)	Code	EUR	gewicht (kg)	Colour	type
250	799 738 125	432,00	0,240	zilver	A
250	799 738 126	432,00	0,240	zilver	B
280	799 738 127	519,10	0,315	rood	A
280	799 738 128	519,10	0,315	rood	B
315	799 738 129	588,00	0,300	antraciet	A
315	799 738 130	588,00	0,350	antraciet	B
355	799 738 131	658,70	0,370	goud	A
355	799 738 132	658,70	0,430	goud	B
400	799 738 133	732,40	0,450	blauw	A
400	799 738 134	732,40	0,520	blauw	B
450	799 738 135	822,20	0,550	zwart	A
450	799 738 136	822,20	0,600	zwart	B

PF 2 B3 B73 999



COOL-FIT 4.0 klembeugelset d250-d450, SDR11

- Geschikt voor COOL-FIT 2.0/4.0 buisschiller en foamverwijderaar (799 738 004)
- Koffer incl. deksel bevat klembeugels, messenhouder en toebehoren

d (mm)	Code	EUR	gewicht (kg)	SDR
250 - 450	799 738 161	24.564,80	60,000	SDR11

Index

Code	pagina	EUR	Code	pagina	EUR	Code	pagina	EUR
138 546 108	56	204,30	727 701 412	48	28,20	738 053 124	30	3.834,80
138 546 109	56	271,70	727 701 513	48	33,80	738 053 175	30	4.964,30
138 546 110	56	305,70	727 701 514	48	41,40	738 053 176	30	6.623,40
138 546 111	56	411,60	727 701 521	48	132,10	738 053 271	73	2.289,50
138 546 112	56	840,70	727 701 522	48	131,90	738 053 272	73	2.802,50
138 546 113	56	1.156,90	727 701 523	48	192,90	738 053 273	73	3.347,60
138 546 208	57	1.587,70	733 960 185	64	369,00	738 053 274	73	4.473,30
138 546 209	57	1.727,00	733 960 186	64	401,00	738 053 275	73	5.210,30
138 546 210	57	1.792,70	733 960 187	64	430,60	738 053 276	73	6.951,60
138 546 211	57	1.912,10	733 963 188	64	526,20	738 103 108	28	109,50
138 546 212	57	2.223,50	733 963 189	64	620,10	738 103 109	28	125,10
138 546 213	57	2.978,90	733 963 190	64	681,70	738 103 110	28	132,10
138 567 114	58	1.881,10	738 003 121	29	2.366,80	738 103 111	28	143,50
138 567 116	58	2.329,00	738 003 122	29	2.904,40	738 103 112	28	183,10
138 567 117	58	2.686,70	738 003 123	29	3.458,50	738 103 113	28	237,40
138 567 120	58	4.272,60	738 003 124	29	4.323,80	738 103 114	28	328,50
138 567 214	58	3.774,90	738 003 175	29	5.325,70	738 103 116	28	456,00
138 567 216	58	4.326,50	738 003 176	29	6.920,30	738 103 117	28	592,80
138 567 217	58	5.146,60	738 003 271	72	2.484,30	738 103 120	28	1.045,50
138 567 220	58	6.698,10	738 003 272	72	3.048,20	738 110 407	53	128,00
167 060 021	28	70,90	738 003 273	72	3.629,90	738 113 206	52	148,40
167 060 023	28	89,90	738 003 274	72	4.931,30	738 113 207	52	187,20
167 060 024	28	100,40	738 003 275	72	5.589,60	738 113 208	52	236,60
167 060 025	28	108,40	738 003 276	72	7.263,20	738 113 306	52	148,40
167 060 038	28	14,40	738 010 012	59	6,60	738 113 307	52	187,20
167 060 039	28	16,80	738 010 013	59	7,00	738 113 308	52	236,60
167 060 040	28	23,40	738 010 014	59	7,40	738 113 508	54	142,80
167 060 041	28	28,20	738 010 015	59	7,70	738 113 608	54	258,70
167 060 042	28	32,10	738 010 016	59	8,00	738 113 609	54	317,60
167 060 043	28	34,80	738 010 017	59	8,50	738 113 610	54	383,30
200 000 524	65	52,20	738 010 018	59	10,50	738 153 108	29	108,10
727 700 208	49	19,00	738 010 019	59	12,50	738 153 109	29	128,10
727 700 209	49	22,70	738 010 020	59	13,30	738 153 110	29	135,60
727 700 210	49	27,00	738 010 021	59	14,40	738 153 111	29	144,50
727 700 211	49	34,00	738 010 052	60	23,10	738 153 112	29	170,30
727 700 212	49	37,60	738 010 053	60	15,00	738 153 113	29	232,00
727 700 213	49	44,80	738 010 054	60	23,10	738 153 114	29	323,50
727 700 313	49	44,80	738 010 055	60	11,30	738 153 116	29	411,00
727 700 314	49	55,50	738 011 024	61	134,40	738 153 117	29	553,20
727 700 408	47	14,20	738 011 025	61	144,50	738 153 120	29	950,60
727 700 409	47	17,10	738 011 026	61	209,80	738 173 021	26	629,50
727 700 410	48	20,30	738 011 027	61	221,90	738 173 022	26	797,20
727 700 411	48	25,50	738 011 028	61	293,90	738 173 023	26	956,80
727 700 412	48	28,40	738 011 029	61	334,90	738 173 024	26	1.173,40
727 700 513	48	33,90	738 011 107	62	365,20	738 173 108	26	43,80
727 700 514	48	41,40	738 011 108	62	2.262,40	738 173 109	26	55,40
727 700 515	48	41,40	738 011 109	62	8,60	738 173 110	26	63,10
727 700 516	48	58,00	738 011 152	61	184,80	738 173 111	26	85,70
727 700 716	49	77,60	738 013 013	60	17,90	738 173 112	26	108,90
727 700 717	49	95,40	738 013 014	60	18,40	738 173 113	26	148,70
727 700 720	49	138,60	738 013 015	60	20,40	738 173 114	26	183,10
727 700 721	49	175,60	738 013 016	60	21,00	738 173 116	26	211,90
727 700 722	49	175,60	738 013 017	60	22,50	738 173 117	26	271,50
727 700 723	49	256,70	738 013 018	60	23,60	738 173 120	26	466,20
727 700 724	49	509,40	738 013 020	60	25,80	738 173 125	26	1.407,90
727 700 725	49	579,80	738 013 021	60	26,20	738 173 126	26	1.758,80
727 701 406	47	9,80	738 013 023	60	34,90	738 173 267	71	298,20
727 701 407	47	10,80	738 013 031	61	37,80	738 173 270	71	512,70
727 701 408	47	14,10	738 013 041	61	52,00	738 173 271	71	692,10
727 701 409	48	17,10	738 053 121	30	2.181,40	738 173 272	71	876,70
727 701 410	48	20,10	738 053 122	30	2.670,20	738 173 273	71	1.052,00
727 701 411	48	25,40	738 053 123	30	3.189,60	738 173 274	71	1.418,20

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738 173 276	71	1.933,80	738 313 617	35	634,60	738 903 350	33	426,40
738 173 287	71	382,10	738 313 620	35	780,70	738 903 351	33	426,40
738 173 290	71	512,70	738 313 659	35	363,70	738 903 364	33	635,60
738 173 291	71	651,10	738 313 660	35	385,90	738 903 366	33	635,60
738 173 292	71	825,00	738 313 661	35	422,00	738 903 367	33	635,60
738 173 293	71	989,90	738 313 662	35	476,60	738 903 368	33	636,20
738 173 294	71	1.213,90	738 313 663	35	553,40	738 903 369	33	635,60
738 173 295	71	1.456,80	738 313 664	35	622,50	738 903 825	34	1.662,00
738 173 296	71	1.819,60	738 313 666	35	881,00	738 903 829	34	1.859,40
738 173 317	26	311,90	738 313 667	35	635,80	738 903 830	34	1.859,40
738 173 320	26	536,20	738 313 670	35	781,60	738 903 836	34	2.034,80
738 203 108	30	118,30	738 513 608	37	202,10	738 903 837	34	2.034,80
738 203 109	30	155,60	738 513 609	37	240,30	738 903 838	34	2.034,80
738 203 110	30	170,10	738 513 610	37	271,60	738 903 844	34	2.755,00
738 203 111	30	209,70	738 513 611	37	349,90	738 903 845	34	2.755,00
738 203 112	30	244,00	738 513 708	38	130,80	738 903 846	34	2.755,00
738 203 113	30	319,10	738 513 709	38	158,10	738 903 853	34	3.538,70
738 203 114	30	396,60	738 513 710	38	189,60	738 903 854	34	3.538,70
738 203 116	30	568,20	738 513 711	38	274,70	738 903 855	34	3.538,70
738 203 117	30	830,00	738 513 712	38	423,80	738 903 862	34	4.795,30
738 203 120	30	1.525,30	738 513 713	38	572,10	738 903 863	34	4.795,30
738 203 121	31	3.225,60	738 513 714	38	678,70	738 903 864	34	4.795,30
738 203 122	31	3.897,00	738 540 208	45	111,60	738 903 865	34	4.795,30
738 203 123	31	4.627,00	738 540 209	45	217,50	738 903 925	74	1.744,40
738 203 124	31	5.896,40	738 540 210	45	215,80	738 903 929	74	1.951,60
738 203 175	31	7.429,40	738 540 211	45	301,70	738 903 930	74	1.951,60
738 203 176	31	12.635,10	738 540 708	45	111,60	738 903 936	74	2.135,50
738 203 218	32	442,40	738 540 709	45	217,50	738 903 937	74	2.135,50
738 203 222	32	491,50	738 540 710	45	215,30	738 903 939	74	2.135,50
738 203 223	32	491,50	738 540 711	45	301,70	738 903 944	74	2.891,50
738 203 227	32	802,30	738 710 008	39	138,60	738 903 945	74	2.891,50
738 203 228	32	802,30	738 710 009	39	156,30	738 903 946	74	2.891,50
738 203 229	32	802,30	738 710 010	39	169,30	738 903 953	74	3.713,80
738 203 240	32	1.086,90	738 710 011	39	187,40	738 903 954	74	3.713,80
738 203 241	32	1.086,90	738 710 012	39	216,70	738 903 955	74	3.713,80
738 203 242	32	1.086,90	738 710 013	39	237,90	738 903 962	74	5.033,00
738 203 243	32	1.086,90	738 710 014	39	330,60	738 903 963	74	5.033,00
738 203 251	32	1.014,80	738 710 016	39	458,70	738 903 964	74	5.033,00
738 203 264	32	1.300,10	738 710 017	39	629,90	738 903 965	74	5.033,00
738 203 266	32	1.300,10	738 710 020	39	914,50	738 904 351	33	426,40
738 203 267	32	1.300,10	738 710 108	39	143,90	738 904 368	33	635,60
738 203 268	32	1.300,10	738 710 109	39	164,80	738 910 408	59	24,90
738 203 269	32	1.300,10	738 710 110	39	176,70	738 910 409	59	28,20
738 203 271	74	3.385,50	738 710 113	39	241,30	738 910 410	59	30,80
738 203 272	74	4.090,30	738 903 206	33	80,40	738 910 411	59	32,80
738 203 273	74	4.856,20	738 903 209	33	97,50	738 910 412	59	34,50
738 203 274	74	6.188,50	738 903 210	33	97,50	738 910 413	59	46,50
738 203 275	74	7.797,40	738 903 212	33	124,70	738 910 414	59	54,20
738 203 276	74	13.261,00	738 903 213	33	124,70	738 910 417	59	177,80
738 203 447	32	1.014,80	738 903 214	33	124,70	738 910 420	59	251,70
738 203 449	32	1.014,80	738 903 318	33	139,80	738 911 821	27	613,50
738 203 450	32	1.014,80	738 903 322	33	162,40	738 911 822	27	768,00
738 204 251	32	1.014,80	738 903 323	33	162,40	738 911 823	27	923,70
738 204 268	32	1.579,10	738 903 327	33	257,90	738 911 824	27	1.112,10
738 313 608	35	346,80	738 903 328	33	257,90	738 911 875	27	1.317,70
738 313 609	35	363,70	738 903 329	33	257,90	738 911 876	27	1.593,30
738 313 610	35	385,90	738 903 340	33	402,70	738 912 012	63	229,10
738 313 611	35	422,00	738 903 341	33	402,70	738 912 013	63	235,80
738 313 612	35	476,60	738 903 342	33	402,70	738 912 014	63	261,50
738 313 613	35	553,40	738 903 343	33	402,70	738 912 015	63	302,40
738 313 614	35	622,50	738 903 347	33	426,40	738 912 016	63	340,00

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738 912 018	63	490,70	738 940 511	42	287,40	738 953 164	40	869,90
738 912 019	63	543,50	738 940 518	42	64,50	738 953 167	40	1.180,60
738 912 020	63	559,80	738 940 528	42	69,60	738 953 170	40	1.847,10
738 912 021	63	629,20	738 940 808	42	59,80	738 960 008	44	87,30
738 912 023	63	704,90	738 940 809	42	144,90	738 960 009	44	232,30
738 912 024	63	928,30	738 940 810	42	205,80	738 960 010	44	243,40
738 912 321	64	121,20	738 940 811	42	287,40	738 960 011	44	255,70
738 912 323	64	164,90	738 940 818	42	64,50	738 960 012	44	282,30
738 913 108	27	79,50	738 940 828	42	69,60	738 960 013	44	300,80
738 913 109	27	85,90	738 943 061	41	613,00	738 960 014	44	345,30
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738 913 111	27	104,40	738 943 063	41	821,50	738 960 017	44	203,00
738 913 112	27	115,80	738 943 064	41	1.037,30	738 960 020	44	277,60
738 913 113	27	135,70	738 943 067	41	1.351,20	748 440 708	51	25,60
738 913 114	27	163,90	738 943 070	41	1.945,90	748 440 709	51	26,50
738 913 116	27	197,70	738 943 108	38	304,80	748 440 710	51	27,30
738 913 117	27	219,70	738 943 159	41	497,10	748 440 711	51	28,40
738 913 120	27	307,00	738 943 160	41	528,20	748 440 712	51	29,00
738 913 271	72	644,00	738 943 161	41	559,20	748 440 713	51	30,50
738 913 272	72	806,10	738 943 162	41	621,30	748 440 714	51	34,80
738 913 273	72	969,50	738 943 163	41	776,70	748 440 716	51	39,20
738 913 274	72	1.231,90	738 943 164	41	994,10	748 440 717	51	47,10
738 913 275	72	1.382,90	738 943 167	41	1.304,90	748 440 720	51	61,40
738 913 276	72	1.672,30	738 943 170	41	1.923,30	748 440 721	51	80,10
738 913 408	35	81,10	738 943 308	37	154,40	748 440 722	51	84,70
738 913 409	35	93,90	738 943 309	37	229,30	748 440 723	51	101,00
738 913 410	35	103,70	738 943 310	37	304,30	748 440 724	51	174,00
738 913 411	35	122,20	738 943 311	37	428,40	748 440 725	51	212,10
738 913 412	35	154,30	738 943 318	37	160,10	748 440 726	51	274,10
738 913 413	35	185,10	738 943 319	37	279,10	748 440 730	51	270,00
738 913 414	35	223,60	738 943 328	37	166,90	748 440 731	51	447,30
738 913 416	35	250,00	738 950 008	46	45,50	748 440 732	51	496,90
738 913 417	35	268,20	738 950 010	46	117,70	748 440 733	51	524,00
738 913 420	35	344,30	738 950 011	46	159,60	753 700 611	50	189,00
738 923 206	55	184,40	738 950 018	46	47,50	753 700 612	50	202,00
738 923 207	55	207,80	738 950 019	46	88,50	753 700 613	50	230,80
738 923 208	55	241,40	738 950 028	46	49,60	753 700 614	50	253,80
738 923 209	55	404,90	738 950 058	44	74,40	753 700 615	50	253,80
738 923 210	55	544,20	738 950 309	46	101,50	753 700 616	50	360,50
738 923 211	55	708,60	738 950 310	46	129,40	753 700 617	50	475,80
738 940 008	43	59,80	738 950 311	46	175,50	753 700 620	50	738,20
738 940 009	43	144,90	738 950 318	46	54,80	753 700 621	50	812,20
738 940 010	43	205,80	738 950 319	46	116,40	753 700 622	50	1.037,60
738 940 011	43	287,40	738 950 328	46	57,40	753 700 623	50	1.742,70
738 940 018	43	64,50	738 950 338	46	71,00	753 700 624	50	2.822,40
738 940 028	43	69,60	738 950 508	45	45,50	753 700 625	50	3.226,10
738 940 308	43	76,70	738 950 510	45	117,70	753 700 626	50	5.771,50
738 940 309	43	166,80	738 950 511	45	159,60	753 800 096	47	153,00
738 940 310	43	226,20	738 950 518	45	47,50	753 800 097	47	232,30
738 940 311	43	316,20	738 950 519	45	88,50	753 800 098	47	306,00
738 940 318	43	76,70	738 950 528	45	49,60	790 128 035	63	139,10
738 940 319	43	203,60	738 953 061	40	528,20	790 156 003	67	5.442,10
738 940 328	43	80,30	738 953 062	40	583,70	790 156 010	67	8.056,40
738 940 408	43	59,80	738 953 063	40	745,70	790 156 032	64	278,20
738 940 409	43	144,90	738 953 064	40	932,10	790 738 001	69	9.702,30
738 940 410	43	205,80	738 953 067	40	1.242,70	790 738 003	69	3.007,70
738 940 411	43	287,40	738 953 070	40	1.903,50	790 738 005	69	1.940,40
738 940 418	43	64,50	738 953 159	40	466,00	790 738 007	69	970,30
738 940 428	43	69,60	738 953 160	40	481,60	790 738 010	70	59,30
738 940 508	42	59,80	738 953 161	40	497,10	790 738 020	70	64,30
738 940 509	42	144,90	738 953 162	40	559,20	790 738 030	69	926,50

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799 301 497	68	363,80
799 301 498	68	536,40
799 301 499	68	252,70
799 302 007	65	1.264,10
799 302 011	65	158,10
799 302 013	65	558,60
799 302 041	65	320,40
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799 738 049	66	806,70
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799 738 117	66	282,20
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799 738 126	75	432,00
799 738 127	75	519,10
799 738 128	75	519,10
799 738 129	75	588,00
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799 738 131	75	658,70
799 738 132	75	658,70
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799 738 134	75	732,40
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799 738 136	75	822,20
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799 738 301	53	3.663,00
799 738 302	53	5.492,80
799 738 303	53	3.663,00
799 738 310	53	1.974,70
799 738 511	59	32,60
799 738 512	59	36,50
799 738 513	59	38,10
799 738 514	59	40,30
799 738 515	59	46,20
799 738 516	60	50,20
799 738 518	60	32,90
799 738 519	60	36,70
799 738 522	60	41,40

Verkoopvoorwaarden

Deze algemene verkoopvoorwaarden zijn van toepassing op alle door Georg Fischer N.V. geleverde producten en verrichte diensten. Hieronder vindt u, in het Engels, alle geldende verkoopwaarden die geldig zijn bij uw aankopen.

General Terms and Conditions of Sale – GF Piping Systems - English

1. General

1.1. These general terms and conditions of sale (hereinafter referred to as "**General Terms and Conditions**") shall apply to all products supplied and services performed by Georg Fischer N.V. (hereinafter referred to as "**GF**") towards the Purchaser (hereinafter referred to as "**Products**"). They shall also apply to all future business even when no express reference is made to these General Terms and Conditions.

1.2. Any legal transactions (one-, two-, as well as multi-sided legal transactions, e.g. conclusion, disputing, contesting etc.) on the part of GF and Purchaser must be in writing in order to be valid.

Provisions deviating or supplementing these General Terms and Conditions, especially Purchaser's general terms and conditions of purchase and verbal agreements shall only be applicable if accepted in writing by GF or if they favor GF.

The written form shall be deemed complied with all forms of transmission, evidenced in the form of text, e-mail, etc. Excluded thereof shall be the transmission by fax.

1.3. Offers shall only be binding if they contain a specifically stated period for acceptance.

2. Scope of supplies

2.1. GF's product range is subject to change without prior notice.

2.2. The order confirmation shall govern the scope and execution of the contract.

2.3. GF shall be entitled to hire subcontractors.

3. Local Laws and Regulations, Export Controls

3.1. The Purchaser shall bring to the attention of GF all local laws and regulations at the place of destination which bear connection with the execution of the contract and the adherence to relevant safety regulations and approval procedures.

3.2. Unless otherwise agreed in accordance with Clause 3.1, the supplies shall comply with the regulations and standards at GF's registered office.

3.3. In case of re-exports, the Purchaser shall be responsible for compliance with pertinent export control regulations.

4. Price

4.1. Unless agreed otherwise, the prices shall be deemed to be in EUR, net, EXW (Incoterms 2020 of the ICC, or latest version) at the production site of GF, including standard packing.

4.2. If contrary to EXW (Incoterms 2020 of the ICC, or latest version), at the production site of GF, costs of any kind, in particular all supplementary costs, such as the cost of carriage, freight, insurance, export, transit and import licenses etc. as well as all types of taxes, fees, duties, etc. connected with the contract., shall be borne by GF, GF reserves the right to adjust the prices accordingly in the event of a change in costs.

4.3. If the Products are provided with additional packaging over and above the standard packaging, such packaging shall be charged additionally.

5. Terms of Payment

5.1. The Purchaser shall make payments at the place of GF within thirty (30) days of receipt of invoice without any deductions, such as discounts, costs, taxes or dues.

5.2. The Purchaser shall only have a right of set-off against counterclaims that are either undisputed by GF or legally established to the Purchaser by a court of competent jurisdiction.

The Purchaser shall have no right to withhold payments due if unessential parts of the delivery are still pending provided that the use of the delivery is not rendered unusable as a result.

5.3. If the advance payment or the contractually agreed securities have not been made on time, GF shall be entitled to adhere to or to rescind the contract and shall in both cases be entitled to claim damages.

5.4. If the Purchaser, for any reason, is in delay with a payment, or if GF is seriously concerned that GF will not receive payments in total or in due time because of circumstances having taken place since entering into the contract, GF, without being limited in its rights provided for by law, shall be entitled to refuse the further performance of the contract and to retain the Products ready for dispatch until new terms of payment and delivery will have been agreed and until GF will have received satisfactory securities. If such an agreement cannot be reached within a reasonable time, or if GF does not receive adequate securities, GF shall be entitled to rescind the contract and to claim damages.

5.5. If the Purchaser does not adhere to the agreed terms of payment, the Purchaser shall be liable without reminder, for default interest to the amount of eight (8) percent of the contract price with effect from the agreed date on which the payment was due. The right to claim further damages is reserved.

6. Reservation of Title

6.1. As far as acknowledged by the jurisdiction in the respective country of destination of the goods, the further provisions of this Clause 6 shall apply. In any case, they shall be considered separable from each other in terms of content and linguistics and shall apply to themselves.

6.2. Simple reservation

GF retains title to all goods delivered by GF until full payment of the respective claims of GF.

6.3. Processing or transformation of the goods supplied by GF by the Purchaser is always carried out for GF. If the goods supplied are processed or inseparably combined or mixed with objects not belonging to GF, co-ownership of the new object shall be acquired in proportion to the value of the goods supplied by GF to the other processed objects at the time of processing or in proportion to the value of the goods supplied by GF to the other combined or mixed objects at the time of combination or mixing. If the goods are combined or mixed by the Purchaser with other objects to form a single object and if the other object is to be regarded as the main object, the Purchaser is obliged to transfer co-ownership to GF on a pro rata basis insofar as the main object belongs to the Purchaser. The Purchaser shall detain the sole ownership or co-ownership on behalf of GF.

6.4. During the period of reservation of title, the Purchaser shall at his own cost maintain the supplies and insure them for the benefit of GF against theft, breakdown, fire, water and other risks. The Purchaser shall further take all measures to ensure that GF's title is in no way compromised or rescinded.

6.5. Extended reservation of title

6.5.a. Should the Purchaser resell Products to which title is reserved, in the ordinary course of business, the Purchaser shall hereby be deemed to have tacitly assigned to GF the proceeds deriving from their sale together with all collateral rights, securities and reservations of title until all claims held by GF have been settled.

6.5.b. The Purchaser is authorized to collect the assigned receivables, as long as the Purchaser fulfills his payment obligation towards GF in accordance with the contract.

6.6. Overall reservation of title

6.6.a. The requirements to be met from Clause 6.2 extends to all current and future demands of GF towards the Purchaser.

6.6.b. The assignment is only valid insofar as the value of the Products subject to retention of title together with the granted securities exceeds GF's claims against the Purchaser by more than 20%.

7. Terms of Delivery

7.1. Unless otherwise agreed (see Clause 4), the Products shall be delivered EXW (Incoterms 2020 of the ICC, or latest version) production site of GF.

7.2. The term of delivery shall commence as soon as the contract has been entered into, all official formalities, such as import and payment permits have been obtained and all essential technical issues have been settled.

The term of delivery and the delivery dates shall be deemed duly observed when, upon its expiry or on the day of the delivery date, the Products are ready for dispatch.

7.3. Part shipments to a reasonable extent shall be allowed and GF shall be entitled to invoice for such partial deliveries.

7.4. **Delivery is subject to the following conditions, i.e. the delivery time shall be reasonably extended, respectively the delivery date postponed,**

7.4.a. if the information of the Customer required by GF for the performance of the contract is not received in time, or if the Customer subsequently changes it, thereby causing a delay in the delivery of the supplies;

7.4.b. if GF is prevented from performing the contract by force majeure. In particular, force majeure shall be deemed to be any unforeseeable event beyond GF's control which renders GF's performance commercially unreasonable or impossible, such as delayed or defective supplies from subcontractors, labor disputes, governmental orders or regulations, shortages in materials or energy, serious disturbances in GF's works, such as the total or partial destruction of plant and equipment or the breakdown of essential facilities, serious disruptions in transport facilities, e.g. impassable roads.

Should the effect of force majeure exceed a period of six (6) months, either party may terminate the contract effective forthwith.

In no event, GF shall be liable for any damage or loss of any kind whatsoever arising out of or caused by such an event of force majeure.

7.4.c. if the Purchaser is in delay with the fulfillment of his obligations under the contract, in particular, if the Purchaser does not adhere to the agreed conditions of payment or if he has failed to timely provide the agreed securities.

7.5. If for reasons attributable to GF the agreed term of delivery or a reasonable extension thereof is exceeded, GF shall not be deemed in default until the Purchaser has granted to GF in writing a reasonable extension thereof of not less than two (2) weeks which is equally not met.

The Purchaser shall then be entitled to the remedies provided at law, it being however understood that, subject to limitations of Clause 10, damage claims shall be limited to max. ten (10) percent of the price of the delayed delivery.

7.6. If the Purchaser fails to take delivery within a reasonable time of Products notified as ready for dispatch, GF shall be entitled to store the Products at the Purchaser's expense and risk and to invoice them as delivered. If the Purchaser fails to effect payment pursuant to the terms of payment, GF shall be entitled to dispose of the Products. GF undertakes to inform the Purchaser of the consequences of his actions or omission.

7.7. In the event of damage or loss of the Products during carriage, the Purchaser shall mark the delivery documents accordingly and immediately have the damage ascertained by the carrier. Not readily ascertainable damages sustained during carriage shall be notified by the Purchaser to the carrier within six (6) days after receipt of the Products.

7.8. If, contrary to the agreed terms of delivery, GF or the Purchaser take on tasks (e.g. transport, loading or unloading of the deliverables, insurance, etc.) which are not their responsibility but the contracting parties, these tasks shall be deemed to have been performed on behalf of and for the account of the respectively contracting party responsible. In this sense, the person executing the order acts as a vicarious agent for the responsible contracting party.

7.9. Should the Purchaser cancel an order without justification and should GF not insist on the performance of the contract, GF shall be entitled to a contractual penalty amounting to ten (10) percent of the contract price, without prejudice GF's right to claim compensation.

Parties hereby exclude the applicability of article 6:92 of the Dutch Civil Code with regard to the contractual penalty included in this clause.

8. Inspection, Notification of Defect and Damages

8.1. The Products will be subject to normal inspection by GF during manufacture. Additional tests required by the Purchaser shall be agreed upon in writing and shall be charged to the Purchaser.

8.2. It shall be a condition of GF's obligation under the warranties stated hereinafter that GF is notified in writing by the Purchaser of any purported defect immediately upon discovery. Notice concerning weight, numbers or apparent defects is to be given within thirty (30) days from receipt of the Products, notice of other defects immediately latest within seven (7) working days after discovery, in any event within the warranty period.

8.3. The Purchaser shall not dispose of allegedly defective Products until all warranty and/or damage claims are finally settled. At its request, defective Products are to be placed at GF's disposal.

8.4. At its request, GF shall be given the opportunity to inspect the defect and/or damage, prior to commencement of remedial work, either by itself or by a third party.

9. Warranty, liability for defects

9.1. Warranty

9.1.a. The warranty is, unless otherwise explicitly agreed, not transferable and limited to the country in which the representative of GF is located with whom the contract was concluded. Warranty claims must be made in the country in which the product in question was purchased.

9.1.b. The warranty or damage claims become time-barred twelve (12) month from receipt of the Products by the end user but at the latest within eighteen (18) months of the Products being dispatched by GF.

9.1.c. For spare or repaired parts, the warranty period is limited to the initial warranty period of the replaced or repaired part.

9.1.d. For Products manufactured to specifications, drawings or patterns supplied by the Purchaser, GF's warranty shall be restricted to proper materials and workmanship.

9.1.e. This warranty shall not apply to damage resulting from normal wear and tear, improper storage and maintenance, failure to observe the operating instructions, overstressing or overloading, unsuitable operating media, unsuitable construction work or unsuitable building ground, improper repairs or modifications / alterations by the Purchaser or third parties, the use of other than original spare parts and other reasons beyond GF's control.

9.1.f. Claims for deficiency of title becomes time-barred twelve (12) month from receipt of the Products by end user.

9.2. Liability for defects

9.2.a. At the written request of the Purchaser, GF undertakes to repair or replace at its discretion, as quickly as possible and free of charge, all Products supplied which demonstrably suffer from faulty design, materials or workmanship, from faulty operating or installation instructions or which became defective or unusable due to faulty advice.

9.2.b. Replaced parts shall be handed over to GF and become property of GF, unless GF waives this right.

9.2.c. In order to protect employees from toxic or radioactive substances which may have been transported in the Products concerned, defective parts returned to GF or its sales organizations, must be accompanied by a Material Safety disclosure Form. The form may be obtained from GF's local sales company.

9.2.d. The Purchaser shall be entitled to rescind the contract or to demand a reduction of the contract price if

- 9.2.e. the repair or replacement of the defective Product is impossible,
- 9.2.f. the defective Product is not repaired or replaced within a reasonable period, or
- 9.2.g. if GF refuses the repair or replacement of the defective Product or if for reasons attributable to GF the repair or replacement is delayed.
- 9.2.h. In case of Products for use in domestic installations or in utilities
- 9.2.i. GF will assume, in deviation to Clause 10.3, the dismantling and installation costs for the restoration of the original condition of the defective Product up to a maximum amount of EUR 1'000'000 per occurrence.
- 9.2.j. warranty and damage claims - contrary to Clause 9.1.b — shall become time-barred five (5) years from the date of installation or seven (7) years from the production date, whichever is earlier.

10. Limitation of Liability

- 10.1. The rights and remedies of the Purchaser shall be exclusively governed by these General Terms and Conditions. All further claims such as damages, reduction of the purchase price, termination or rescission of the contract are excluded.
- 10.2. In no case, whatsoever, shall the Purchaser be entitled to claim damages other than compensation for costs of remedying defects in the supplies. This in particular refers, but shall not be limited, to loss of production, loss of use, loss of orders, loss of profit, third party recovery claims and other direct or indirect or consequential damages.
- 10.3. Save where it concerns willful intent, gross negligence or product liability, in the event that claims of the Purchaser in relation to or in connection with the contract or the breach thereof should exist, the total amount of such claims is restricted to the purchase price of respective delivery.
- 10.4. This limitation of liability equally applies to the extent GF is liable for acts or omissions of auxiliary persons such as its employees or third parties engaged for the performance of its obligations. It does not apply in case of unlawful intent or gross negligence on the part of GF and in case of GF's mandatory statutory liability, in particular under applicable product liability laws.

11. Data and Documents

- 11.1. Technical documents, such as drawings, descriptions, illustrations and data on dimensions, performance and weight as well as the reference to standards are for information purposes only. They are not warranted characteristics and are subject to change.

11.2. All technical documents shall remain the exclusive property of GF and may only be used for the purposes agreed between the parties or as GF may consent.

12. Confidentiality, Protection of Personal Data

12.1. Each party shall keep in strict confidence all commercial or technical information relating to the business of the other party, of which it has gained knowledge in the course of its dealing with the other party. Such information shall neither be disclosed to third parties nor used for other purposes than the agreed.

12.2. Personal data will only be processed by GF in accordance with the relevant laws and exclusively based on a separate contract submitted by GF.

13. Severability

Should any term or clause of these General Terms and Conditions in whole or in part be found to be unenforceable or void, all other provisions shall remain in full force and effect. The unenforceable or void provision shall be replaced by a valid provision, which comes closest to the original intention of the unenforceable or invalid provision.

14. Place of Performance, Applicable Law and Jurisdiction

14.1. Place of performance shall be the GF works from which the Products are dispatched.

14.2. The contract shall be governed by Dutch law to the exclusion of any conflict of law provisions and the United Nations Convention on Contracts for the International Sale of Goods (CISG) provisions.

14.3. Exclusive place of jurisdiction for any dispute, controversy or claim arising out of or in relation to this contract, including the validity, invalidity, breach or termination thereof, shall be the ordinary courts in Amsterdam, Netherlands. However, GF reserves the right to file actions in any court having jurisdiction.

01/2021

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Contactinformatie

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