



VACUUM INFUSION ANCILLARIES

Flat resin
Vacuum channels
Plugs
«Eco» plugs
Connectors
INFUTAC Adhesive spray
MEGATAC Adhesive spray

Vacuum infusion ancillaries

DIATEX offers a range of fittings, valves, adapters and consumable hoses for vacuum infusion.

This range of fittings and valves is available in several diameters to cover all needs.

FLAT RESIN & VACUUM CHANNELS

DIADRAIN



BLACK / GREY

FDIADRAIN050
FDIADRAIN00

Flat resin or vacuum channel

DIADRAIN is a flat resin or vacuum channel. It consists of a three-dimensional polyester filament core structure wrapped in a non woven polyester sleeve.



Works as resin supply channel or vacuum channel in vacuum infusion process.



Flexible.
Easy to cut to size.



50 | 100 mm



100 m



Max.

80 °C



DIADRAIN PA80



BLACK / GREY

FDIADRAIN50/PA80

Flat resin or vacuum channel / Peel ply

DIADRAIN / PA80 is a resin or flat vacuum channel to avoid marking parts manufactured by vacuum infusion: contrary to the pipes, it does not mark. It is made of a three-dimensional polyester filament core, wrapped in a non-woven polyester sheath, itself wrapped in a PA80 tear-off fabric sheath to facilitate removal.



Works as resin supply channel or vacuum channel in vacuum infusion process.



Flexible.
Easy to cut to size.



50 mm



Roll x 50 ml



Max.

80 °C



DIADRAIN MP



BLACK /GREY/WHITE
FDIADRAIN050MP



MICROPOROUS flat vacuum channel

DIADRAIN MP is placed around the mold instead of the spiral pipe : when the resin reaches DIADRAIN MP, it is stopped meanwhile the gas is still eliminated from the laminate. DIADRAIN MP can also be set at any place on the laminate.



ACPRISE-INFUSION



Very fast implementation of vacuum channels.



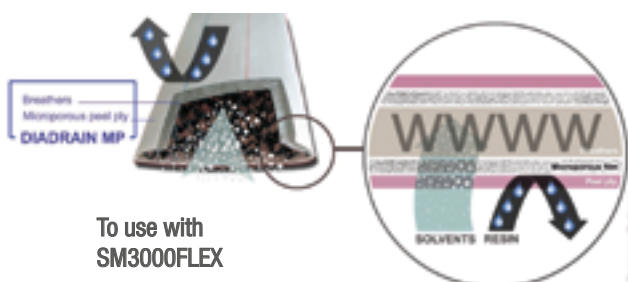
Flexible.
Easy to cut to size



50 mm

50 m

Max.
80 °C



To use with
SM3000FLEX

SPIRALNET



GREEN
SPIRALNET-OM70-12/14
SPIRALNET-OM70-14/17

Resin infusion line

When using a spiral tube as a resin line in vacuum infusion process, one of the biggest issues is the marking of the laminate. In order to get rid of this problem, DIATEX developed a ready to use advanced solution : **SPIRALNET**.

This product combines a tube mesh together with a spiral tube in order to optimize the resin distribution and avoid the marking of the laminate during the infusion process.



Includes spiral tube & mesh.



Easy to use.
No marking of the laminate.
Standard supply : rolls of 50 m.
Can be used with all nets.



65 mm
(sewn net)

100 m

Max.
90 °C

12 - 14 mm
14 - 17 mm

SPIRAL TUBING



ACIGSPIR

Translucent spiral tubing



Spiral plug
p.86

REFERENCE	Ø int.	Ø ext.			MATERIAL
ACIGSPIR04-06PTFE	4 mm	6 mm	10 ml	260 °C	PTFE
ACIGSPIR09-12PE	9 mm	12 mm	25 ml	90 °C	PEHD
ACIGSPIR12-14PE	12 mm	14 mm	100 ml	90 °C	PEHD
ACIGSPIR14-17PE	14 mm	17 mm	25 ml	90 °C	PEHD
ACIGSPIR19-22PE	19 mm	22 mm	25 ml	90 °C	PEHD

SPIRAL MP



WHITE

SPIRALMP-12/14

Vacuum channel

SPIRAL MP is a microporous vacuum channel used for vacuum infusion parts manufacturing. **SPIRAL MP** is made of a spiral tube wrapped in the PES90MP microporous peel ply. To reduce marking, you can use the microporous **DIADRAIN MP**.



Very fast implementation of vacuum channels.



Very flexible.
Easy to cut to size.



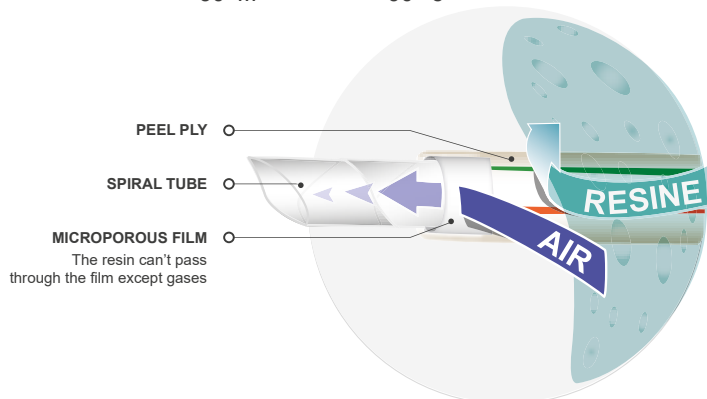
12 - 14 mm



50 m

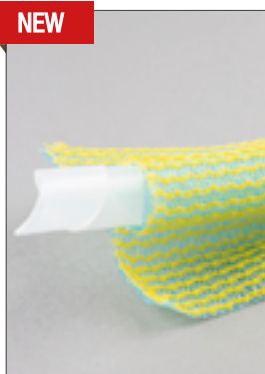


90 °C



SPIRALPLEX

NEW



GREEN / YELLOW

SPIRALPLEX-FLO-14/17

Resin Infusion Line

SPIRALPLEX is a remote resin infusion line. When using a spiral tube as a resin channel, one of the biggest issues is the marking of the laminate after infusion. To eliminate this problem, DIATEX has developed a ready-to-use solution: the SPIRALNET. **SPIRALPLEX** is a release agent for direct application to composites.



Combines a spiral tube with an INFUPLEX to optimise resin distribution and avoid marking the laminate during the infusion process.



No marking on the laminate.
Easy to use.



14 - 17 mm



100 m



90 °C



Spiral plug



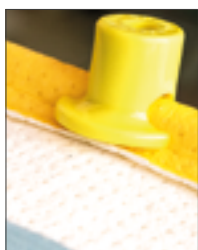
DIABREAKER

NEW



WHITE / YELLOW

FDIABREAKER1F100



Resin brake line

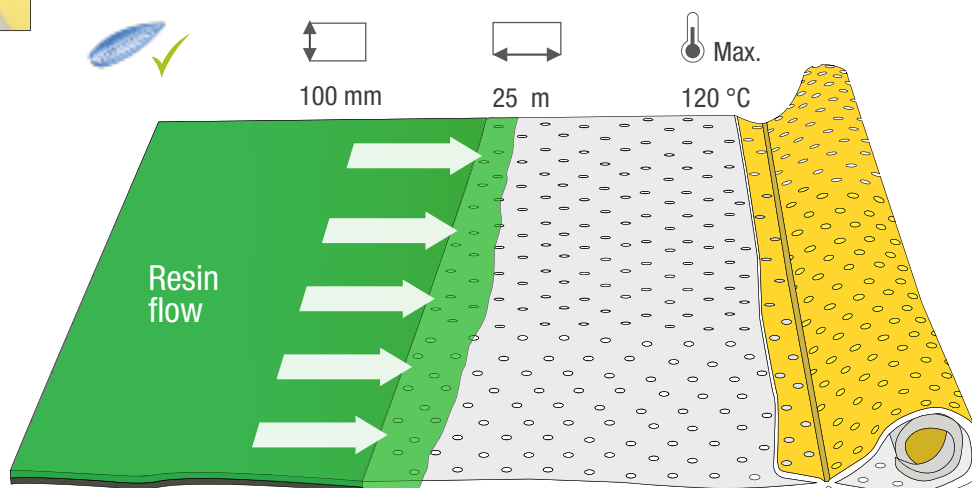
DIABREAKER is made of a non-woven polyester filled with thermoplastic microspheres, laminated with a release film, and holding a spiral tube, which delivers the vacuum all along the product.



Thanks to ELA20 release film, the product is easily peeled from the part, during demolding operation.



Avoids overconsumption of resin, by slowing down the resin as soon as the front gets into contact with it.



PLUGS & CONNECTORS






Perfect for 10-18 silicone pipe



CAUTION Do not handle before launching the process



	INFUSION CLAMP	Threaded fitting valves			T Connectors				T Small connectors		
REF.	ACICLAMP	ACIV10PP	ACIV16PP	ACIV20PP	ACIT10PP	ACIT10PA	ACIT16PP	ACIT20PP	ACI-TR16-10PP	ACI-TR20-16PP	ACI-TR20-10PP
	≥ 20mm	10 mm	16 mm	20 mm	10 mm	10 mm	16 mm	20 mm	16-10 mm	20-16 mm	20-10 mm
	Unit	25 units X bag			50 units X bag			25 units X bag	50 units X bag		
	-	90°C max.			90°C max.	200°C max.	90°C max.	90°C max.	90°C max.		

* Other diameters & threaded fittings available > **CONTACT US**






	L Connectors			I Connectors			I Reduced connectors	
REF.	ACIL10PP	ACIL16PP	ACIL20PP	ACII10PP	ACII16PP	ACII20PP	ACIIR16-10PP	ACIIR20-16PP
	10 mm	16 mm	20 mm	10 mm	16 mm	20 mm	16-10 mm	20-16 mm
	100 units X bag	50 units X bag		100 units X bag		50 units X bag	100 units X bag	50 units X bag
	90°C max.			90°C max.			90°C max.	



Table of pipe ID
(in mm) :

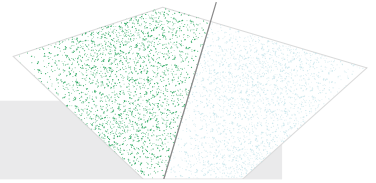
ACI Ø10 → d10 pipe

ACI Ø16 → d15 pipe

ACI Ø20 → d19 pipe

ACI Ø25 → d23 pipe

INFUTAC ADHESIVE SPRAY



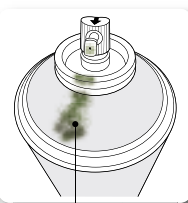
INFUTAC is made for the assembly of dry reinforcements and vacuum devices in vacuum infusion and RTM processes.

- Holding of hybrid materials
- Optimal adhesion during the molding
- Low drying shrinkage
- Exact application thanks to ultrafine spraying and green tracer
- High instantaneous adhesion

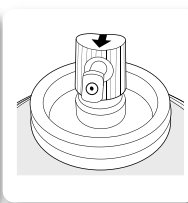
INFUTAC adhesive, made for vacuum infusion process, ensures a perfect tack of the reinforcements during the molding. The glue does not interfere on the surface quality and structural integrity.



Flow control thanks to a regulation button L(low), M(medium), H(high).



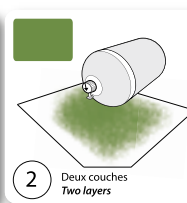
Green tracer



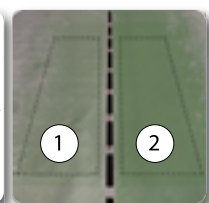
Unblocked nozzle



1 Une couche
One layer



2 Deux couches
Two layers



All INFUTAC sprays are supplied with adjustable spray flow nozzle



INFUTAC Spray

**COMPLIANT
WITH
CLP2015
REGULATION**

INFUTAC Canister



AVAILABLE QUANTITIES

INFUTAC CLEAR (transparent) is available in 500 ml sprays.
INFUTAC GREEN (green color) is available in 500 ml sprays and 22 L canisters.

	INFUTAC CLEAR	INFUTAC GREEN	INFUTAC CLEAR
Volume	SPRAY 500 ml	SPRAY 500 ml	CANISTER 22 L
Nb/ palet	1080	1080	36

ANCILLARIES

PIPES	GUN	VALVE
3.66 5.5 m	Sold with 9501 nozzle	Suitable with pipes
REUSABLE	REUSABLE	REUSABLE

Gun for INFUTAC spray



Compatible with 500ml INFUTAC.

WINFUTACGUN/AERO



Ancillaries for canister



REF.

WINFUTACGUN Gun sold with 9501 nozzle

REF.

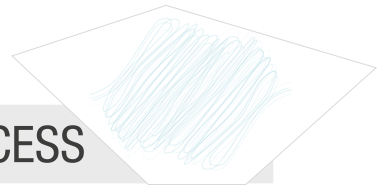
WINFUTACHOS3 3.66M PIPE

WINFUTACHOS4 4M PIPE

WINFUTACHOS5 5.5M PIPE

WINFUTACHOS8 8M PIPE

MEGATAC POWERFUL GLUE FOR INFUSION PROCESS



MEGATAC adhesive is made for the assembly of dry reinforcements and vacuum devices in vacuum infusion and RTM processes. The glue has a powerful bonding force. The high adhesive strength of MEGATAC glue allows the application of numerous fabrics and cores (foam, balsa wood...).

**TOLUENE
FREE**

AVDANTAGES

- Available in spray : WEB type spraying, low volatility.
- Powerful bonding force.



1. No degradation/
alteration of the glue
due to freezing.

2. Heat the glue to room
temperature before use.

3. Do not place/store the
glue cans on the floor with
temperatures below 15°C.



PLUGS

Infusion & Spiral plugs Eco

SPIRAL and INFUSION plugs have been redesigned in an Eco-responsible and Economical way :

- **Spiral plug Eco** : 80% less plastic used compared to a traditional connector; addition of fillers of vegetable origin (reed; vine shoots)
- **Infusion plug Eco** : Weight gain divided by 3.6 including wood load (reeds and vine shoots)
Unit bags x 100.



ACIGSPI9-12/PLUG8E	ACIGSPI12-14/PLUG12E	ACIGSPI14-17/PLUG16E	ACINFUSION43/PLUG8E	ACINFUSION47/PLUG12E	ACINFUSION51/PLUG16E
Material : Vine branch	Material : Vine branch	Material : Reed	Colour : Dark brown	Material : Vine branch	Material : Reed
Colour : Dark brown	Colour : Wooden brown	Colour : Light brown	To use with 8mm diameter tubes	Colour : Wooden brown	Colour : Light brown
To use with 8mm diameter tubes	To use with 12mm diameter tubes	To use with 16mm diameter tubes		To use with 12mm diameter tubes	To use with 16mm diameter tubes

Infusion & Spiral plugs



To reduce leak risks and manufacturing costs, DIATEX developed a new range of connectors: SPIRAL PLUG and INFUSION PLUG.
50 unit bags.

	Diameter	To use with
ACIGSPIR12-14/PLUG12	12 mm	SPIRAL
ACIGSPIR14-17/PLUG16	16 mm	SPIRAL
ACINFUSION50/PLUG12	12 mm	DIADRAIN
ACINFUSION54/PLUG16	16 mm	DIADRAIN



Spiral Plug - Blue
ACIGSPIR14-17/PLUG16



Spiral Plug - Yellow
ACIGSPIR12-14/PLUG12



Infusion Plug - Green
ACINFUSION54/PLUG16



Infusion Plug - Orange
ACINFUSION50/PLUG12

Infusion Box



Resin infusion connector for low temperature resin infusion application. ACIBOX sits on top of the flow resin feed line ACIP50.

Use the threaded 3/4 connectors to set the pipe (ACILF25-3/4PP or ACILF20-3/4PP).

Max. Temp.
90°C

Omega profile



PP profile used as resin flow line or vacuum line during a Vacuum Infusion process.

Use our INFUSION BOX as resin infusion connector.