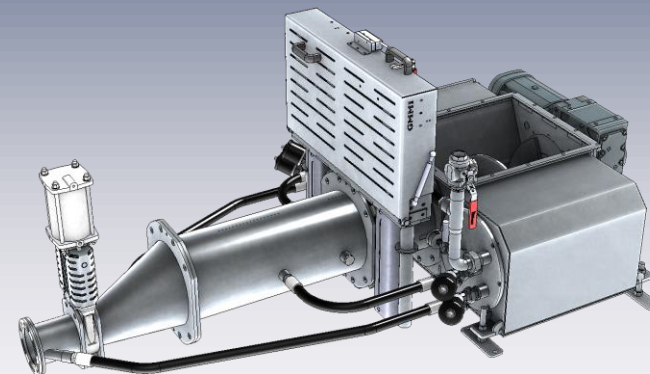


TRANSFERT THROUGH PIPES

SONIC EFFECT SYSTEM

GIBAIR
GICOMPRESS
GIBPOMPE



BIOSECURITY

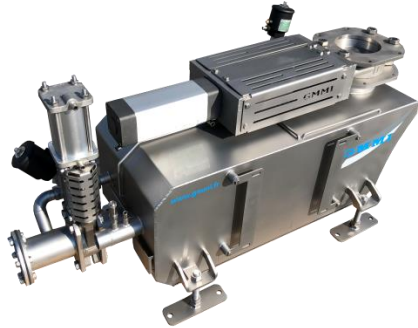
GMMI
Z.A. de Bel Air
22600 LA MOTTE
Tél. 02 96 25 41 00
Fax 02 96 25 40 46
gmmi@gmmi.fr
www.gmmi.fr
FRANCE



Design of industrial equipment

GIBAIR

Remove handling on the ground and eliminates any risk of cross-contamination. Being very powerful, its “sonic effect” based technology considerably minimizes the consumption of compressed air for the distance to be covered.



PRODUCTS TRANSFERRED :





Design of industrial equipment

GIBAIR



CONTINUOUS PRODUCTION :

- ◇ Completely automated
- ◇ Simultaneous transfer from a number of gibair on the same line

SONIC EFFECT :

- ◇ 7 times more powerful than suction vacuum technology
- ◇ Unlimited transfer distance thanks to its “Sonic Effect”
- ◇ Enables horizontal as well as vertical transfer
- ◇ Versatile, it enables automated handling many times of products

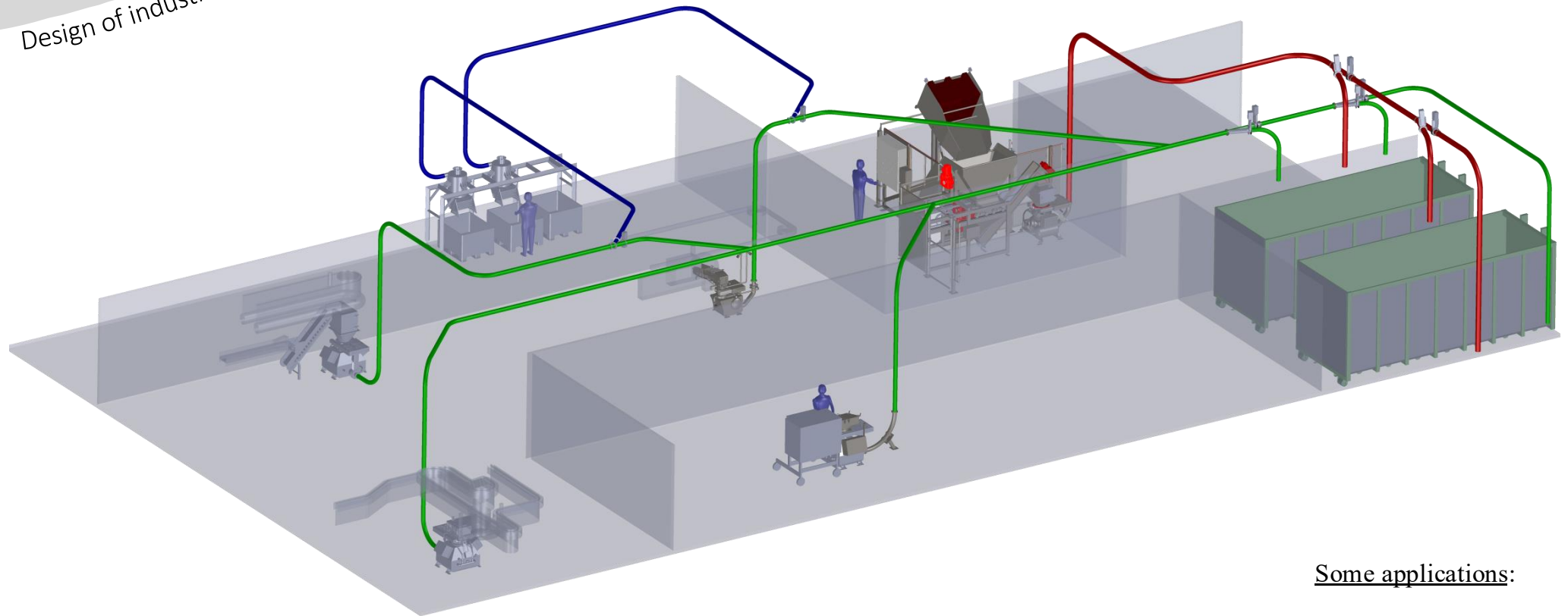
HYGIENE, SAFETY, RELIABILITY :

- ◇ Avoids manual transportation of delicate materials in high-risk production rooms
- ◇ Fully washable system in automatic mode
- ◇ Very robust, no particular maintenance



Design of industrial equipment

GIBAIR

















Some applications:

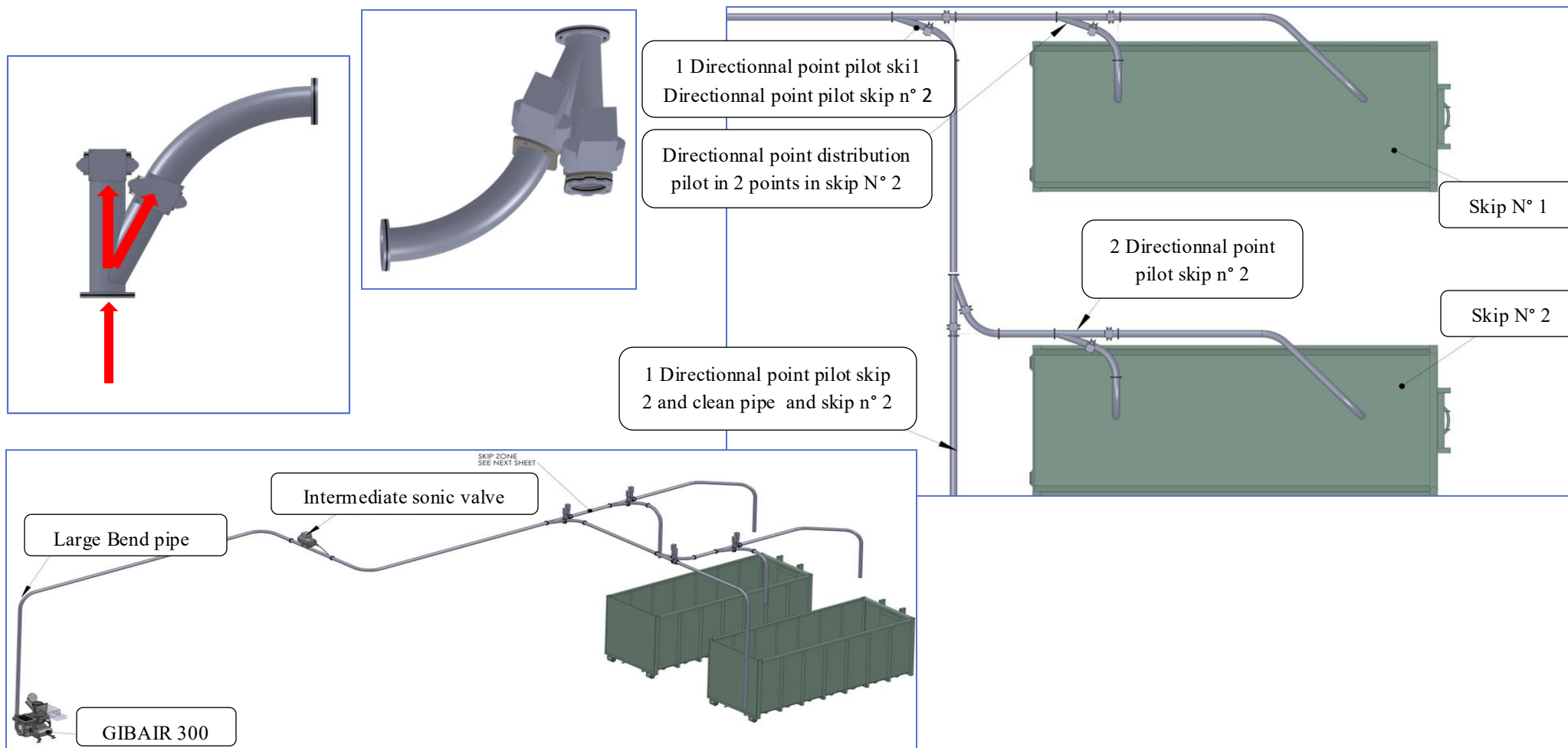
meat, MDM, whole chickens, turkeys, legs, heads,
necks, wings, rumps, backs, bones, giblets, paunches, liquids, fish,
fish heads, meat and bone meals, pellets, cereals, powdered milk, plastic
packages, paper, ingredients, scraps from prepared dishes, etc...



PRODUCT EXAMPLE

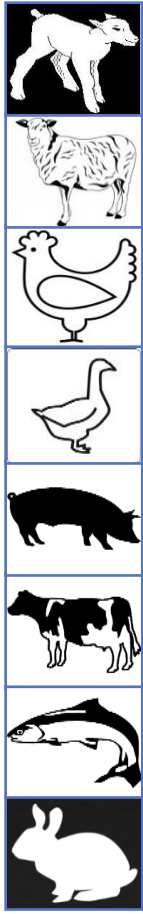
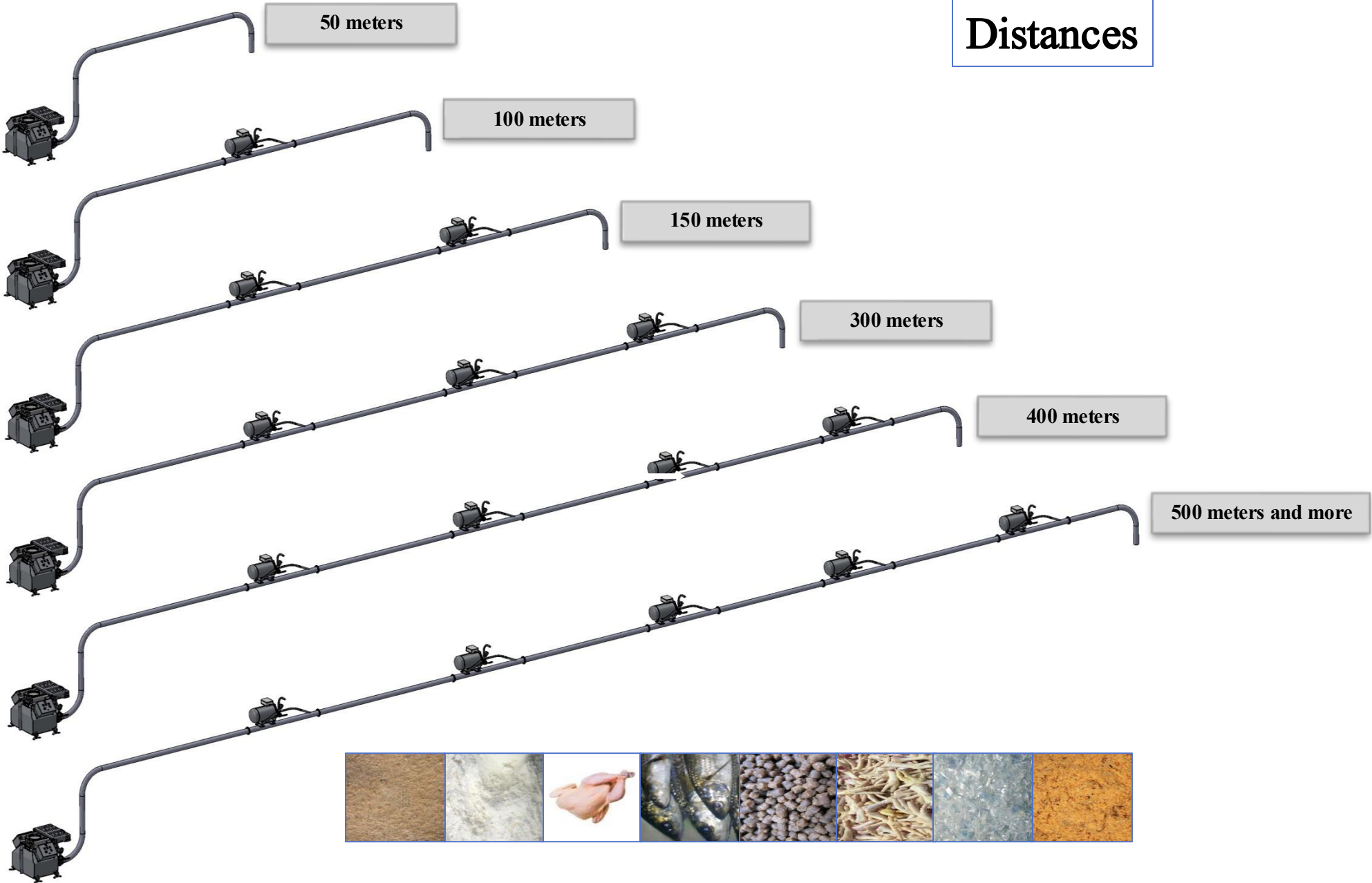
MDM WASTE		NECKS	
CARCASSES		BONES	
WHOLE CHICKEN		SKINS	
HEADS		LIVERS	
FEET		DRUMSTICKS	
OFFALS		RUMPS	
BREASTS		WING TIPS	

Directionnal pipe diverter





Distances

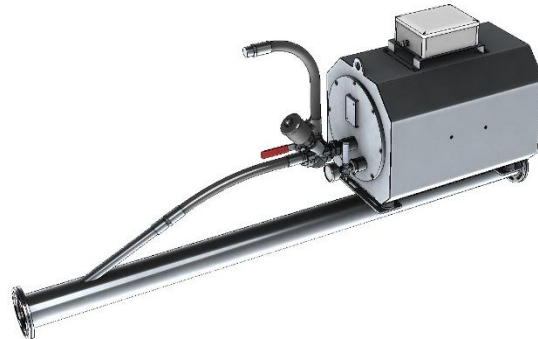
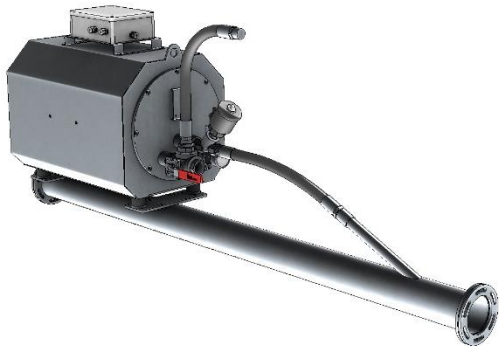
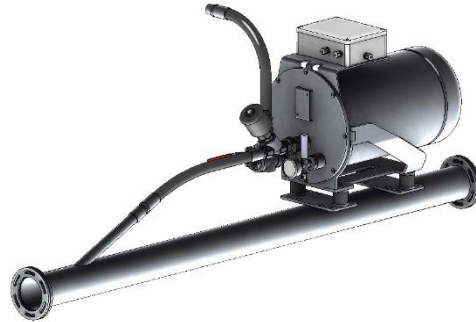




Design of industrial equipment

GIBAIR

Intermediate sonic valve



Preassembled between flange on part of pipe, an intermediate sonic valve is installed directly on the network for unlimited distances (1 intermediate sonic valve every 50 meters depending on the product and the network)



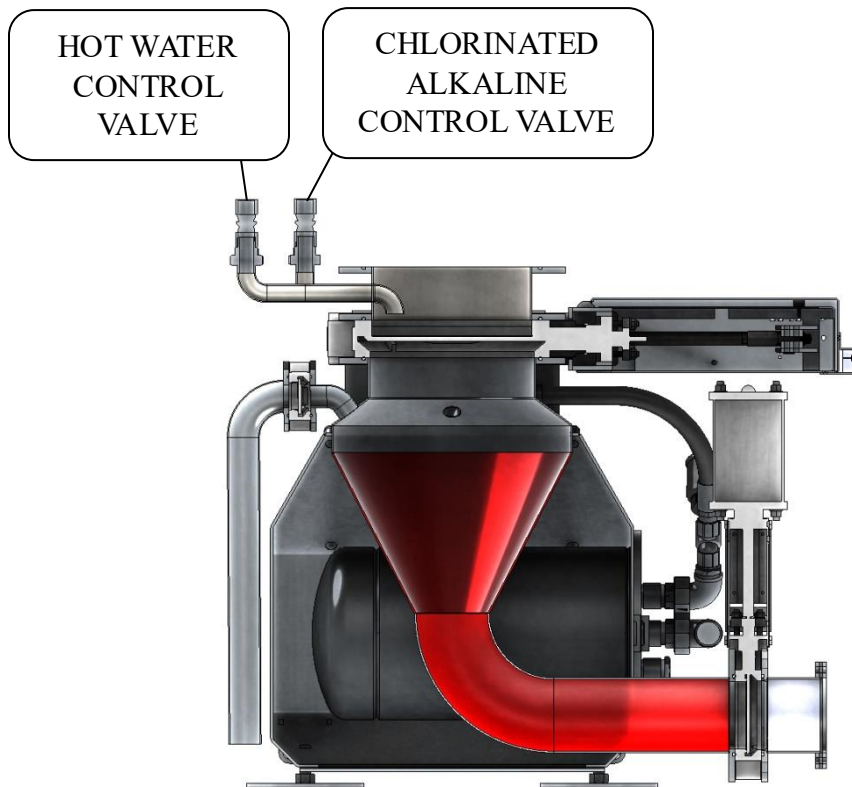
Design of industrial equipment

GIBAIR

CIP (CLEAN IN PLACE)

WASH WATER LOST (PROGRAMMING PAR PLC GIBAIR)

(Hot water + chlorinated Alkaline customer supplied)



STEP 1

- Clear water prewash
- 2 passes per system

STEP 2

- Clear water chlorinated alkaline wash
- 2 passes per system

STEP 3

- Clear water rinsing
- 4 passes per system

STEP 4

- Dry
- Empty cycle

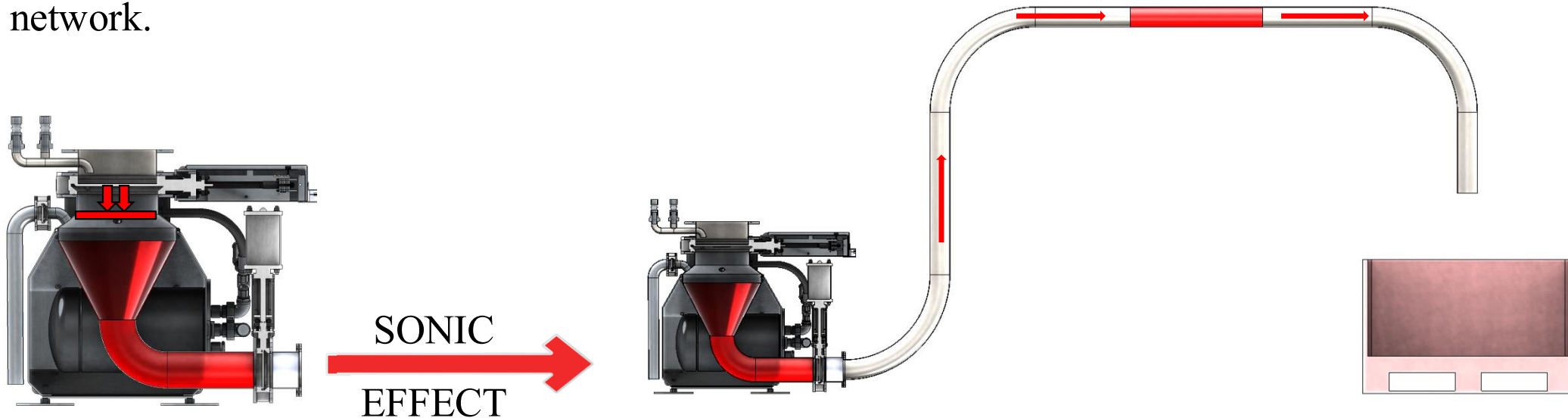


Design of industrial equipment

GIBAIR

CIP (CLEAN IN PLACE)

With the sonic effect you can push the liquid in the pipe and use the power to clean mechanically all the pipe along the network.





Design of industrial equipment

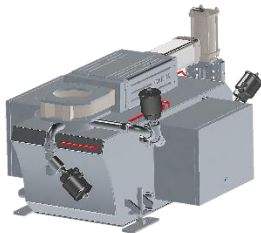
GIBAIR

Our models

150 AIR 80



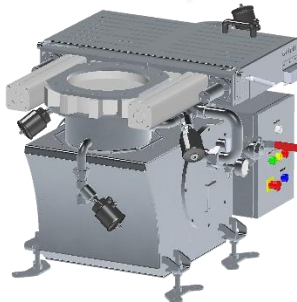
150 SL 80



200 SL 100



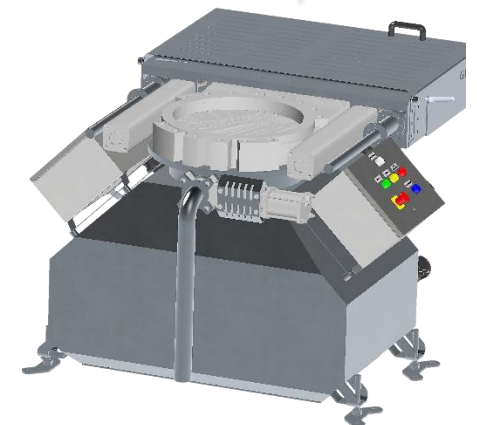
300 SL 100



300 SL 125



450 SL 200



A response tailored to your
needs

Patented process



Design of industrial equipment

GIBAIR

Our models

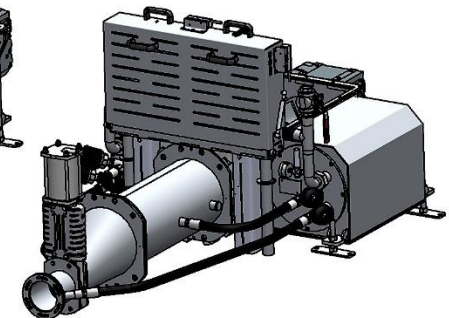
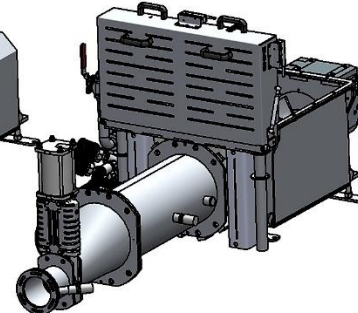
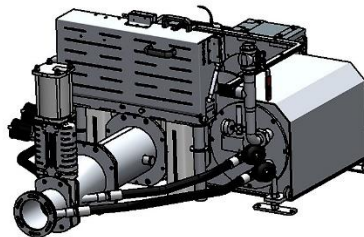
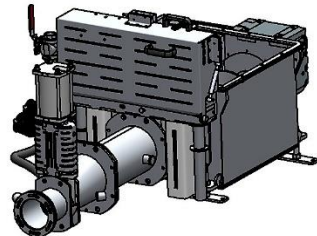
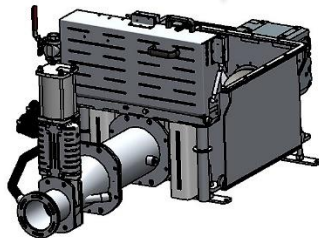
GICOMPRESS
200 SL 200

GICOMPRESS
300 SL 200-1B

GICOMPRESS
300 SL 200-2B

GICOMPRESS
300 SL 300-1B

GICOMPRESS
300 SL 300-2B



A response tailored to your
needs

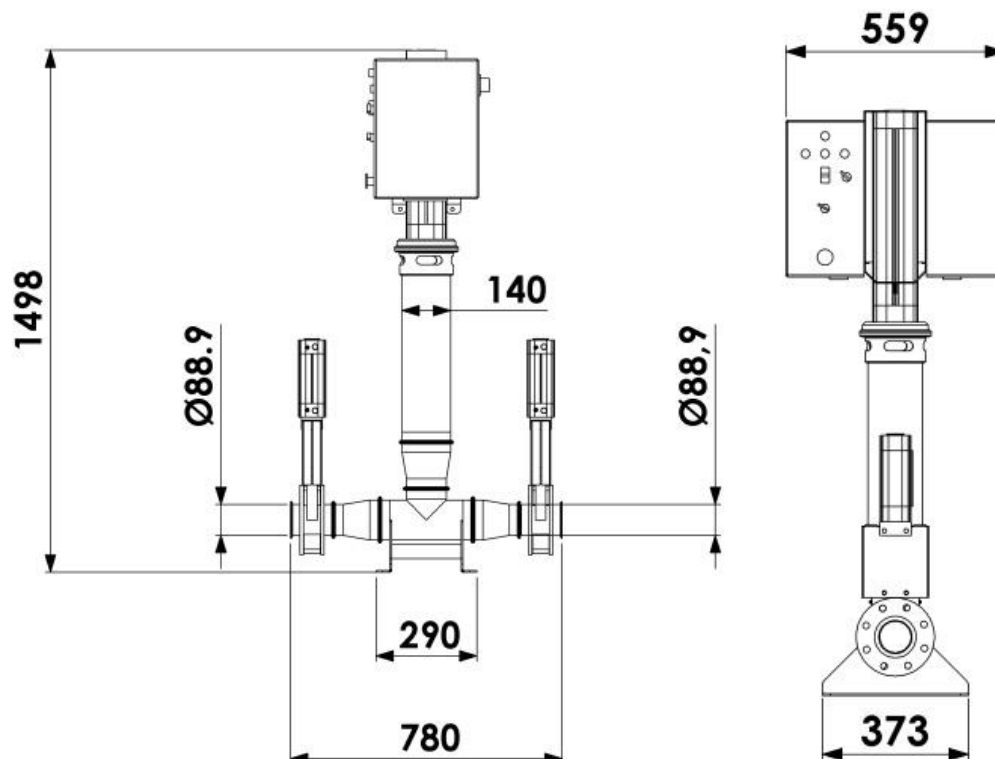
Patented process



DATA SHEET GIBPOMPE 125 VG 80

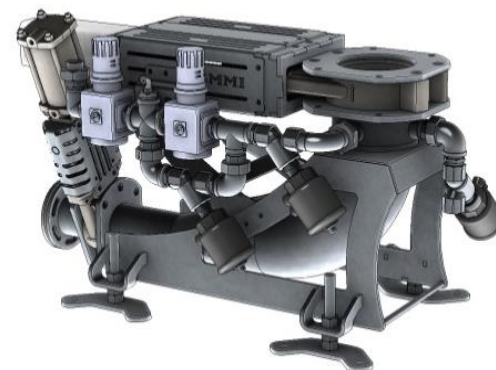


Patented transfer system :	<i>GIBPOMPE 125 VG 80</i>
Type of material :	<i>Liquid materials</i> <i>Soft materials</i> <i>Viscous materials</i> <i>Hard + soft materials</i> <i>Hard + solid materials</i> <i>Sauces, cream</i>
Compressed air :	<i>Operating pressure 6 bars minimum</i>
Option :	<i>Automatic cleaning</i>
Debit max. according to product :	
<i>Soft materials :</i>	<i>4 m³ / Hour</i>
Biosecurity:	<i>Hygiene, safety, reliability</i>

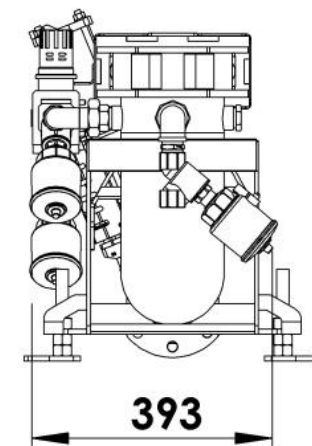
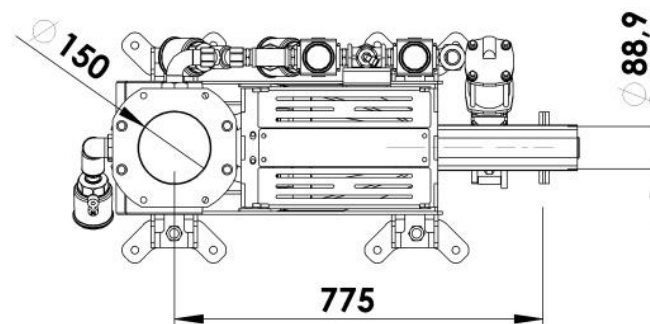
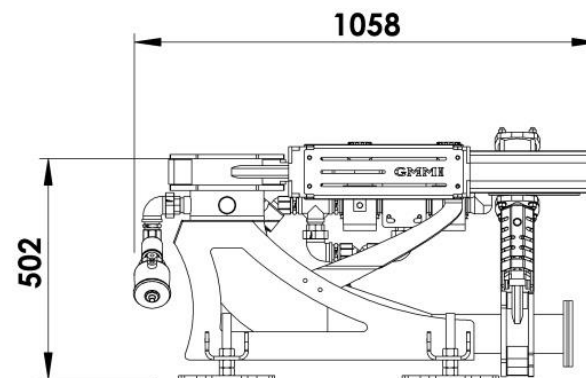




DATA SHEET GIBAIR 150 AIR 80



Patented transfer system :	<i>GIBAIR 150 AIR 80</i>
Type of material :	<i>Soft materials</i> <i>Viscous materials</i> <i>Hard + soft materials</i> <i>Hard + solid materials</i> <i>Sauces, cream</i>
Compressed air :	<i>Operating pressure 6 bars minimum</i>
Option :	<i>Automatic cleaning</i>
Debit max. according to product :	
<i>Soft materials :</i>	<i>4 m³ / Hour</i>
Biosecurity:	<i>Hygiene, safety, reliability</i>





DATA SHEET GIBAIR 150 SL/STD 80

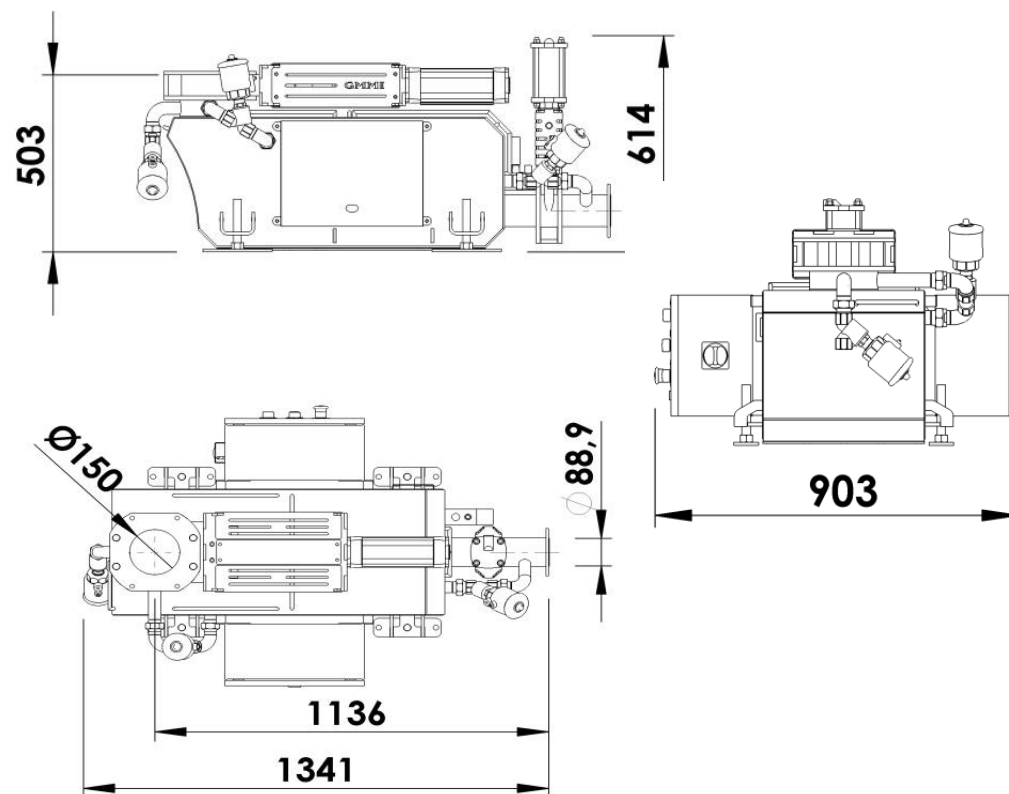


GIBAIR 150 SL 80



GIBAIR 150 STD 80

Patented transfer system :	GIBAIR 150 SL/STD 80
Type of material :	<p><i>Hard materials</i></p> <p><i>Powdery materials and meals</i></p> <p><i>Soft materials</i></p> <p><i>Viscous materials</i></p> <p><i>Hard + soft materials</i></p> <p><i>Hard + solid materials</i></p>
Compressed air :	<i>Operating pressure 6 bars minimum</i>
Option :	<i>Automatic cleaning</i>
Debit max. according to product :	
<i>Soft materials :</i>	<i>4 m³ / Hour</i>
<i>Hard materials :</i>	<i>4 m³ / Hour</i>
Biosecurity:	<i>Hygiene, safety, reliability</i>





DATA SHEET GIBAIR 200 SL/STD 100

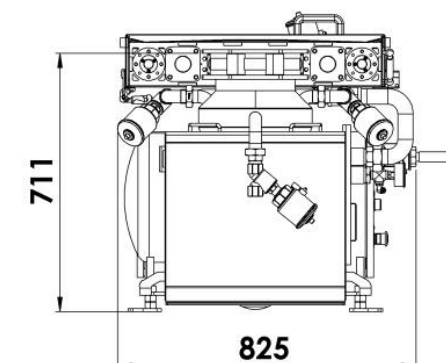
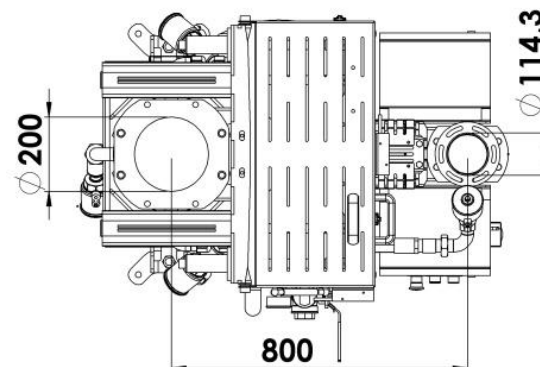
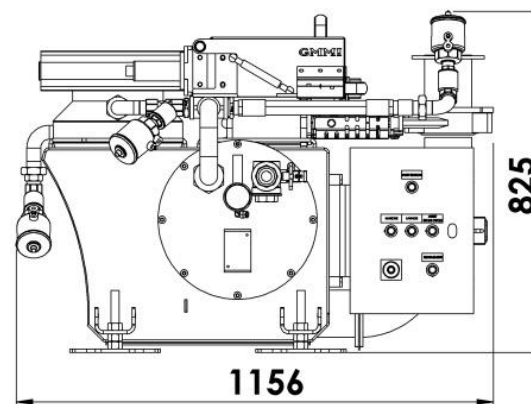


GIBAIR 200 SL 100



GIBAIR 200 STD 100

Patented transfer system :	<i>GIBAIR 200 SL/STD 100</i>
Type of material :	<i>Soft materials</i> <i>Hard materials</i> <i>Powdery materials and meals</i> <i>Viscous materials</i> <i>Hard + soft materials</i> <i>Hard + solid materials</i> <i>Sauces, cream</i>
Compressed air :	<i>Operating pressure 6 bars minimum</i>
Option :	<i>Automatic cleaning</i>
Debit max. according to product :	
<i>Soft materials :</i>	<i>4 m³ / Hour</i>
<i>Hard materials :</i>	<i>4 m³ / Hour</i>
Biosecurity:	<i>Hygiene, safety, reliability</i>

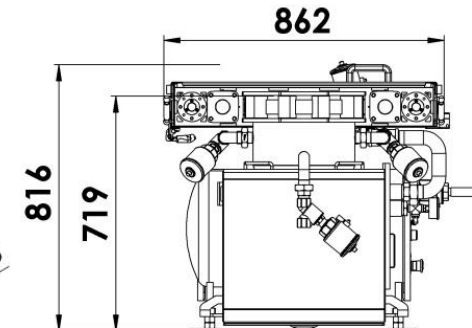
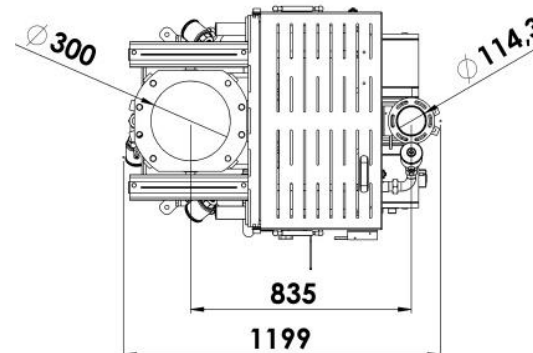
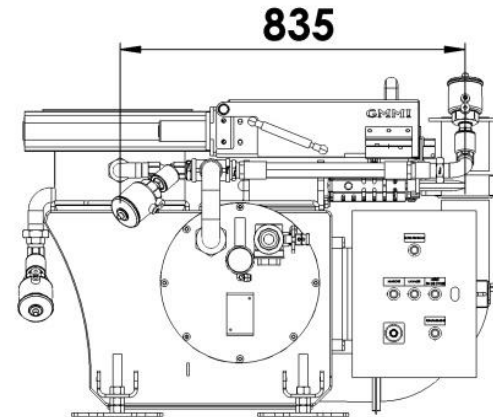




DATA SHEET GIBAIR 300 SL 100



Patented transfer system :	<i>GIBAIR 300 SL 100</i>
Type of material :	<i>Soft materials, hard materials</i> <i>Powdery materials and meals</i> <i>Viscous materials</i> <i>Hard + soft materials</i> <i>Hard + solid materials</i> <i>Sauces, cream</i> <i>Defromable plastics and packaging</i>
Compressed air :	<i>Operating pressure 6 bars minimum</i>
Option :	<i>Automatic cleaning</i>
Debit max. according to product :	
<i>Soft materials :</i>	<i>7 m³ / Hour</i>
<i>Hard materials :</i>	<i>3 to 5 m³ / Hour</i>
Biosecurity:	<i>Hygiene, safety, reliability</i>





DATA SHEET GIBAIR 300 SL/STD 125

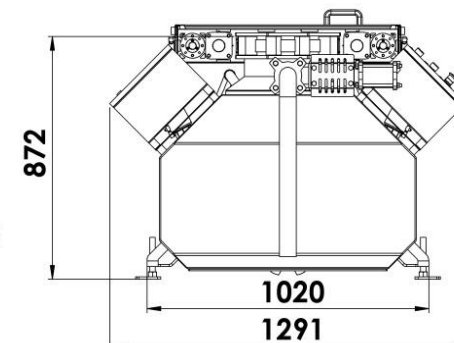
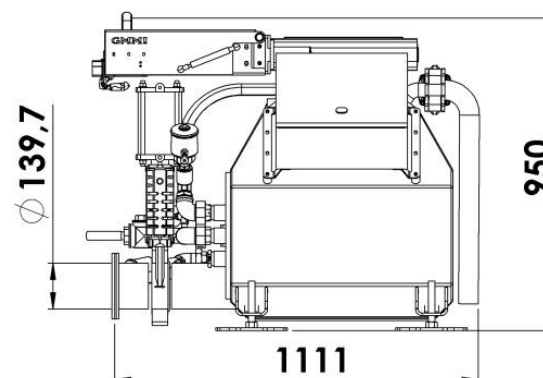
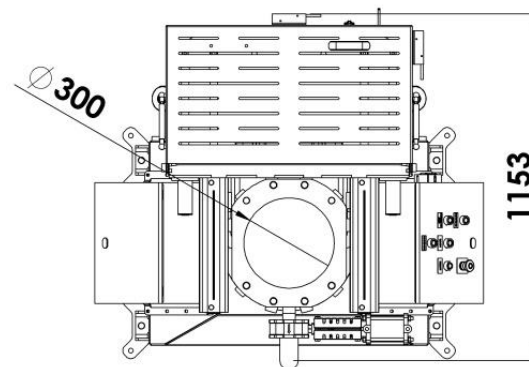


GIBAIR 300 SL 125



GIBAIR 300 STD 125

Patented transfer system :	GIBAIR 300 SL/STD 125
Type of material :	<i>Soft materials, hard materials</i> <i>Powdery materials and meals</i> <i>Viscous materials</i> <i>Hard + soft materials</i> <i>Hard + solid materials</i> <i>Sauces, cream</i> <i>Defromable plastics and packaging</i>
Compressed air :	<i>Operating pressure 6 bars minimum</i>
Option :	<i>Automatic cleaning</i>
Debit max. according to product :	
<i>Soft materials :</i>	13 m³ / Hour
<i>Hard materials :</i>	3 to 8 m³ / Hour
Biosecurity:	<i>Hygiene, safety, reliability</i>

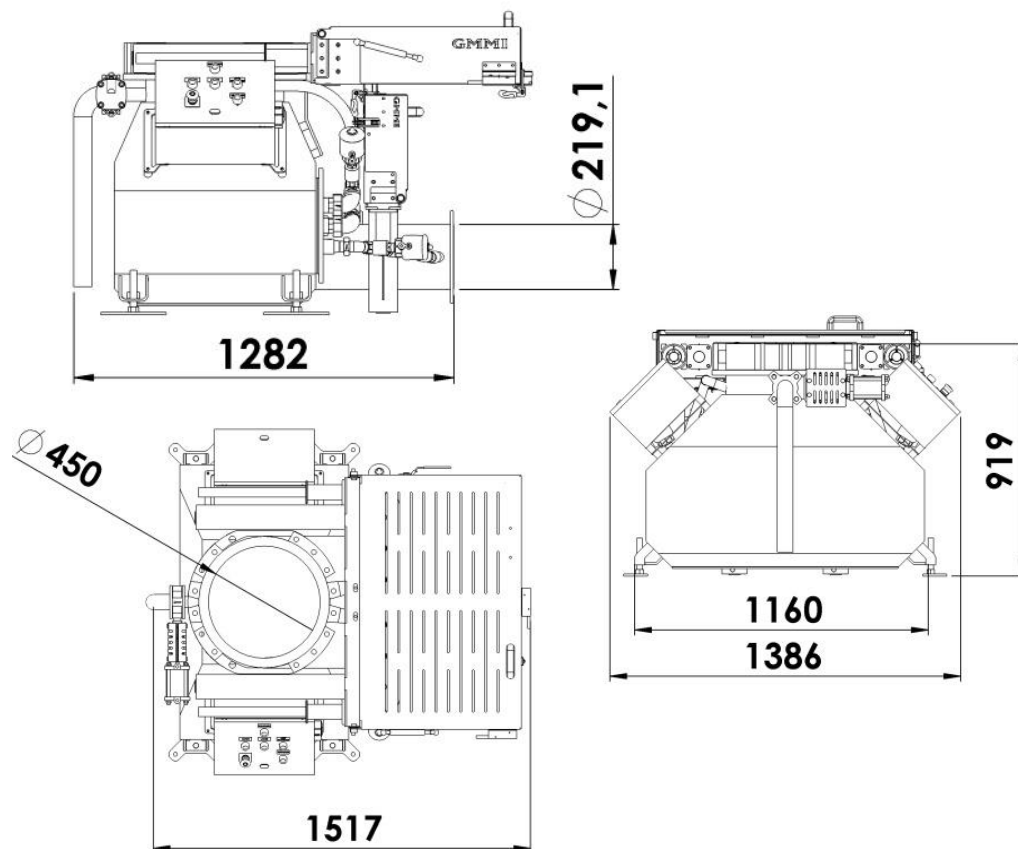




DATA SHEET GIBAIR 450 SL 200

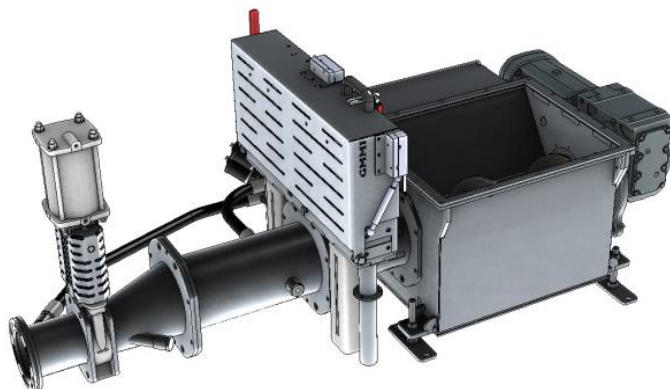


Patented transfer system :	<i>GIBAIR 450 SL 200</i>
Type of material :	<i>Soft materials, hard materials</i> <i>Powdery materials and meals</i> <i>Viscous materials</i> <i>Hard + soft materials</i> <i>Hard + solid materials</i> <i>Sauces, cream</i> <i>Defromable plastics and packaging</i>
Compressed air :	<i>Operating pressure 6 bars minimum</i>
Option :	<i>Automatic cleaning</i>
Debit max. according to product :	
<i>Soft materials :</i>	<i>15 m³ / Hour</i>
<i>Hard materials :</i>	<i>3 to 8 m³ / Hour</i>
Biosecurity:	<i>Hygiene, safety, reliability</i>

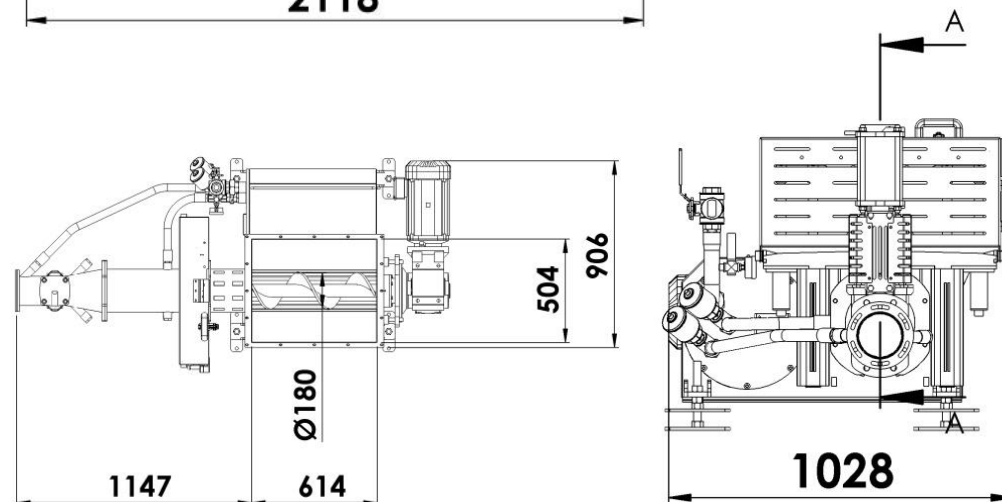
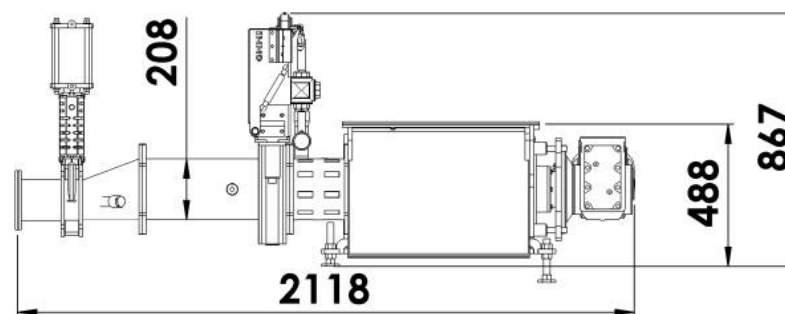




DATA SHEET GICOMPRESS 200 SL 200

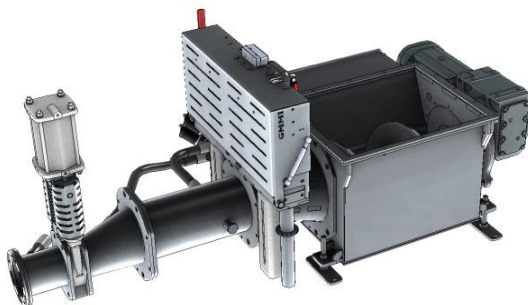


Patented transfer system :	<i>GICOMPRESS 200 SL 200</i>
Type of material :	<i>Hard materials</i> <i>Hard + soft materials</i> <i>Powdery materials and meals</i>
Compressed air :	<i>Operating pressure 6 bars minimum</i>
Option :	<i>Automatic cleaning</i>
Debit max. according to product :	
<i>Hard materials :</i>	<i>1 to 7 m³ / Hour</i>
Biosecurity:	<i>Hygiene, safety, reliability</i>

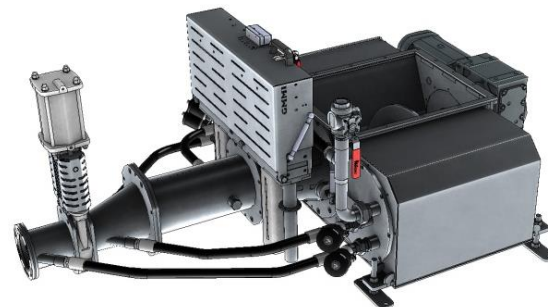




DATA SHEET GICOMPRESS 300 SL 200

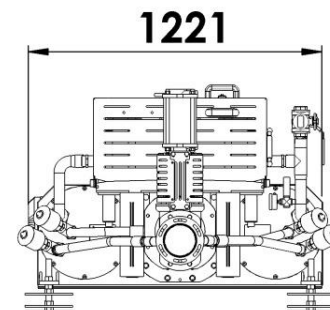
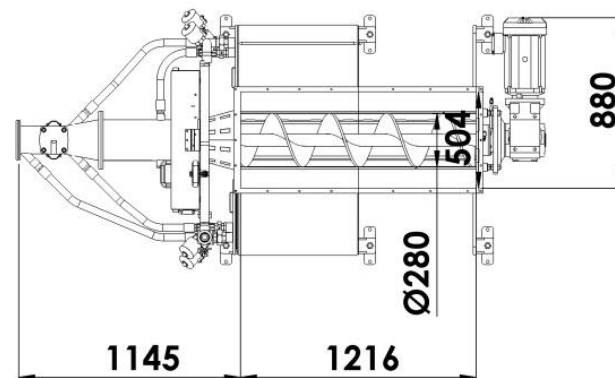
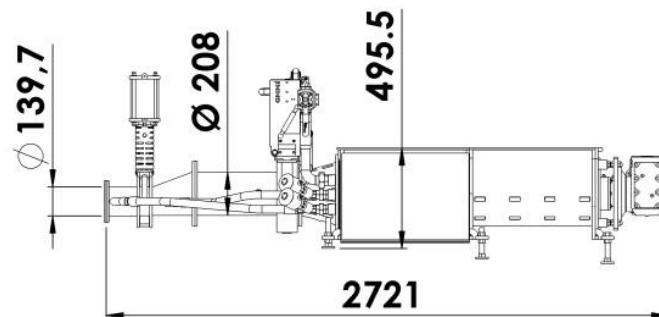


GIBAIR 300 SL 200
1 BONBONNE



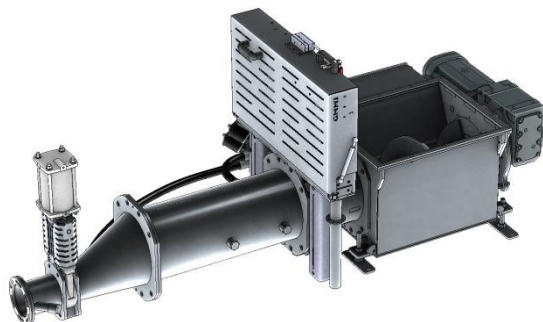
GIBAIR 300 SL 200
2 BONBONNE

Patented transfer system :	<i>GICOMPRESS 300 SL 200</i>
Type of material :	<i>Hard materials</i> <i>Hard + soft materials</i> <i>Powdery materials and meals</i>
Compressed air :	<i>Operating pressure 6 bars minimum</i>
Option :	<i>Automatic cleaning</i>
Debit max. according to product :	
<i>Hard materials :</i>	<i>1 to 10 m³ / Hour</i>
Biosecurity:	<i>Hygiene, safety, reliability</i>





DATA SHEET GICOMPRESS 300 SL 300

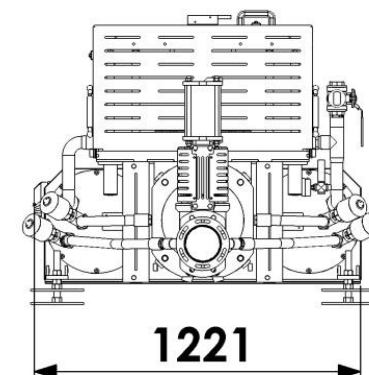
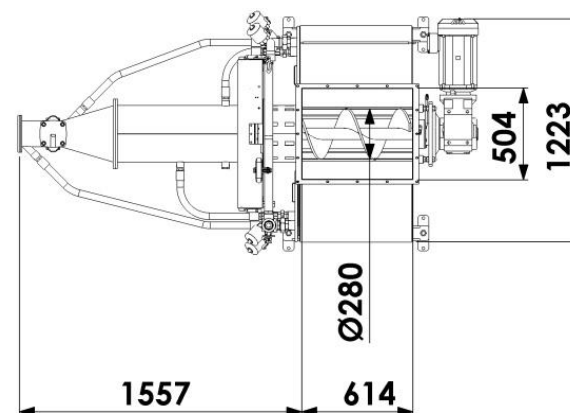
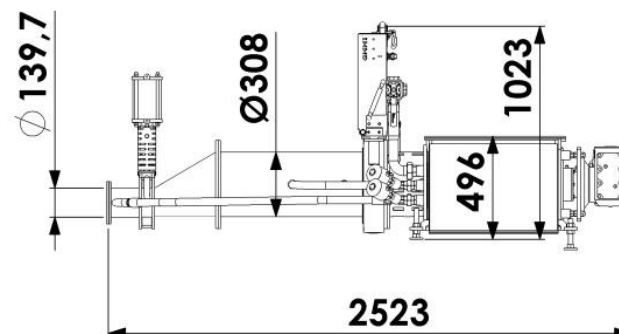


GIBAIR 300 SL 300
1 BONBONNE



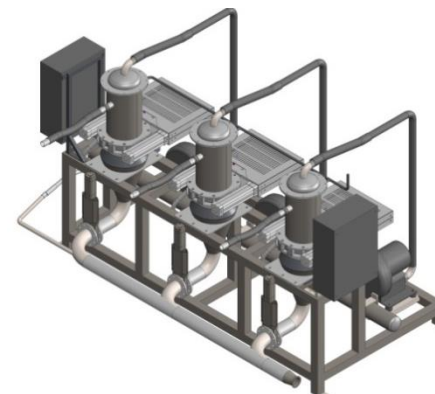
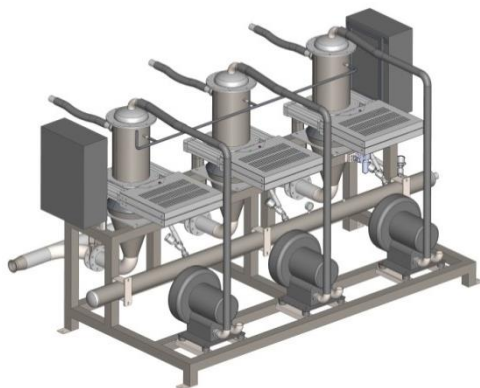
GIBAIR 300 SL 300
2 BONBONNES

Patented transfer system :	<i>GICOMPRESS 300 SL 300</i>
Type of material :	<i>Hard materials</i> <i>Hard + soft materials</i> <i>Powdery materials and meals</i>
Compressed air :	<i>Operating pressure 6 bars minimum</i>
Option :	<i>Automatic cleaning</i>
Debit max. according to product :	
<i>Hard materials :</i>	<i>2 to 15 m³ / Hour</i>
Biosecurity:	<i>Hygiene, safety, reliability</i>

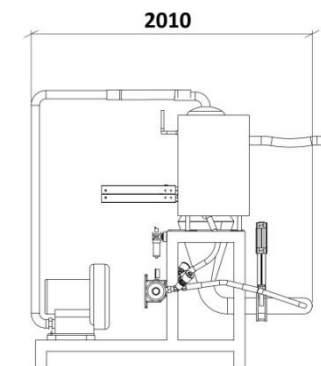
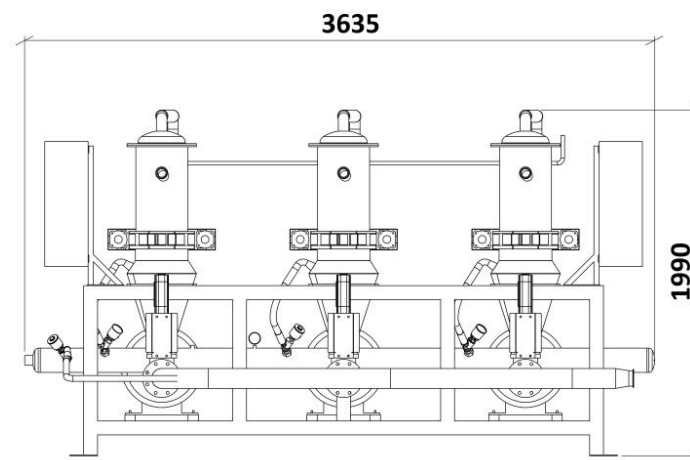




DATA SHEET GIBAIR SNACK TRIPLE



Patented transfer system :	<i>GIBAIR SNACK TRIPLE</i>
Type of material :	<i>Plastic or natural</i> <i>Sausage snack films or casings</i>
Compressed air :	<i>Operating pressure 6 bars minimum</i>
Option :	
Debit max. according to product :	
<i>Hard materials :</i>	<i>3 m³ / Hour</i>
Biosecurity:	<i>Hygiene, safety, reliability</i>





Design of industrial equipment

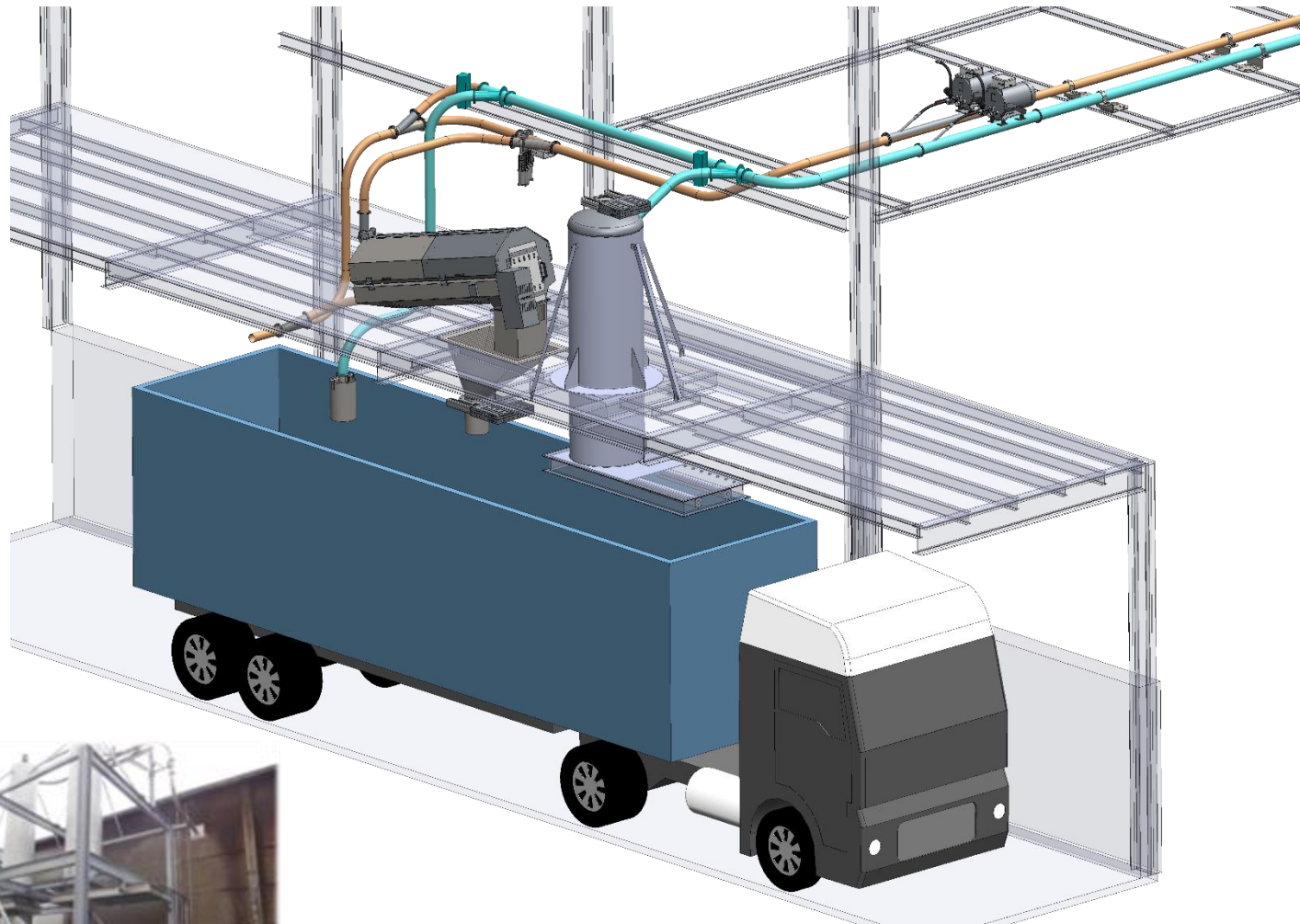
START OF THE PRODUCT





Design of industrial equipment

ARRIVAL OF THE PRODUCT

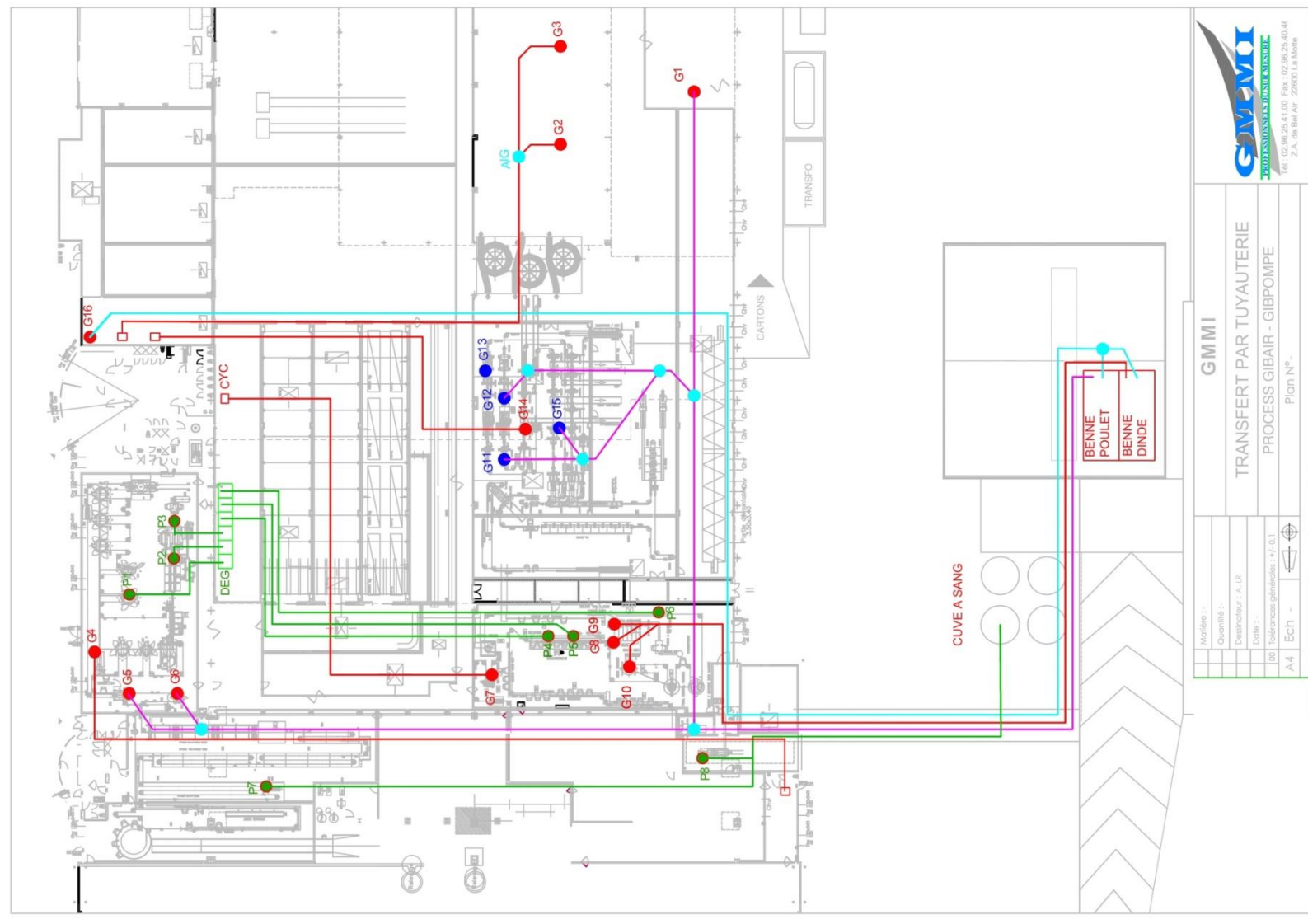




APPLICATION EXEMPLE

Design of industrial equipment



PIPE TRANSFER



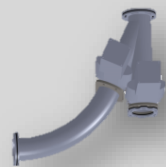





Design of industrial equipment

LEGEND

		TURKEY	CHICKEN
	G1		MDM WASTE
	G2		CARCASS
	G3		CARCASS
	G4		WHOLE CHICKEN
	G5		HEAD
	G6		FEET
	G7	FEET	
	G8	VISCERA	
	G9	HEAD	
	G10	NECK	
	G14		CARCASS
	G16	WASTE- BONES,SKIN, CARCASS, HEAD, NECK, LIVER, DRUMSTICK BACK	
	G11		RUMP
	G12		<i>DOS DEJOINTEUSE</i>
	G13		BREASTS
	G15		WINGS TIPS

		TURKEY	CHICKEN
	P1		NECK
	P2		HEART + LIVER
	P3		GIZZARD
	P4	HEART	
	P5	LIVER	
	P6	GIZZARD	
	P7		BLOOD
	P8	BLOOD	
	SCREEN RAPE	DEG	Product reception by screen rape GIBPOMPE
			SEPARATION OF WATER AND PRODUCT - ERGONOMIC SHELF FOR BOX POSITIONING
	DIVERTER	AIG	PAGE 4 IN GIBAIR CATALOG
	CYCLONE	CYC	Product reception cyclon GIBAIR
			CYCLONE FOR REDUCING THE TANGENTIAL ARRIVAL SPEED OF THE PRODUCT, FALL TO LOW POINT

GIBAIR : Transfert process Biosecurity

Respect the standards IFS and 50001 (energy)

**4 TIMES LESS ENERGY
CONSUMPTION
7 TIMES MORE
POWERFUL
2 TIMES LESS NOISY**
Opposed to vacuum aspiration



	GIBPOMPE	GIBAIR AIR 150 / 80	GIBAIR 150 / 80	GIBAIR 200 / 100	GIBAIR 300 / 100	GIBAIR 300 / 125	GIBAIR 450 / 200
Capacity	1,5 m³/h	4 m³/h	4 m³/h	4 m³/h	3 to 7 m³/h	3 to 13 m³/h	3 to 15 m³/h
Air Tank	×	30 L	30 L	45 L	45 L	2 × 45 L	2 × 45 L
Electrical power	230 V + ground + neutral - 50 Hz (10A)	400 V TRI phase + ground - 50 Hz (10A)	400 V TRI phase + ground - 50 Hz (10A)	400 V TRI phase + ground - 50 Hz (10A)	400 V TRI phase + ground - 50 Hz (10A)	400 V TRI phase + ground - 50 Hz (10A)	400 V TRI phase + ground - 50 Hz (10A)
Air consumption	Calculated according to the scope	Calculated according to the scope	Calculated according to the scope	Calculated according to the scope	Calculated according to the scope	Calculated according to the scope	Calculated according to the scope
CIP-able	In option	In option	In option	In option	In option	In option	In option
Equipped with cabinet	No	No	Option	Option	Yes	Option	Option
Soundless model		Yes	Yes	Yes	Yes	Yes	Yes
Weight	50	180	250	300	350	550	-
Distance (Horizontal and vertical) lenght	∞	∞	∞	∞	∞	∞	∞

Pictures, dimension, weight : Soundless model

GIBAIR : Transfert process Biosecurity

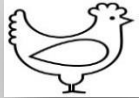





Respect the standards IFS and 50001 (energy)

**4 TIMES LESS ENERGY
CONSUMPTION
7 TIMES MORE
POWERFUL
2 TIMES LESS NOISY**
Opposed to vacuum aspiration



	GICOMPRESS 200 / 200	GICOMPRESS 300 / 200 1 Tank	GICOMPRESS 300 / 200 2 Tanks	GICOMPRESS 300 / 300 1 Tank	GICOMPRESS 300 / 300 2 Tanks
Capacity	1 to 7 m ³ /h	1 to 10 m ³ /h	1 to 10 m ³ /h	2 to 15 m ³ /h	2 to 15 m ³ /h
Air Tank	1 × 45 L	1 × 45 L	2 × 45 L	1 × 45 L	2 × 45 L
Electrical power	400 V TRI phase + ground 50 Hz (16A)	400 V TRI phase + ground 50 Hz (16A)	400 V TRI phase + ground 50 Hz (16A)	400 V TRI phase + ground 50 Hz (16A)	400 V TRI phase + ground 50 Hz (16A)
Air consumption	Calculated according to the scope	Calculated according to the scope	Calculated according to the scope	Calculated according to the scope	Calculated according to the scope
CIP-able	In option	In option	In option	In option	In option
Equipped with cabinet	Yes	Yes	Yes	Yes	Yes
Soundless model	Yes	Yes	Yes	Yes	Yes
Weight	500	550	650	700	800
Distance (Horizontal and vertical) length	∞	∞	∞	∞	∞

Pictures, dimension, weight : Soundless model

Application example		GIBPOMPE	GIBAIR 150	GIBAIR 200	GIBAIR 300	GICOMPRESS
Chicken – Turkey – Duck  	MDM				×	×
	Carcasses				×	×
	Whole chicken				×	×
	Head			×	×	×
	Feet			×	×	×
	Offal	×	×	×	×	×
	Breasts			×	×	×
	Neck	×	×	×	×	×
	Bones				×	×
	Skin				×	×
	Liver/Heart/Lizzard	×	×	×	×	×
	Drumstick			×	×	×
	Back		×	×	×	×
	Wings Point			×	×	×
Powder 	Dry		×	×	×	×
	Fat			×	×	×
Cow 	Tallow				×	×
	Viscera				×	×
	Offal				×	×
Pork 	Offal			×	×	×
	Tallow				×	×
	Viscera			×	×	×
Fish 	Bones/Head/Offal	×	×	×	×	×



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GIBAIR

SHIPPING - PACKAGING





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REFERENCES

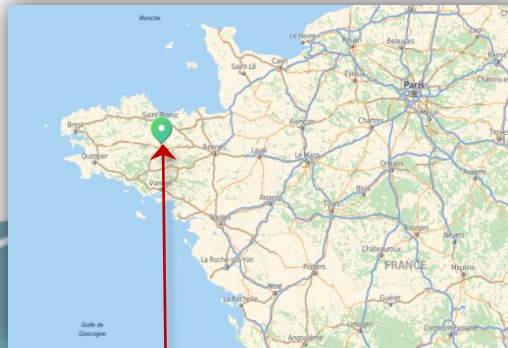
Some partners who trust us...





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FRANCE

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The logo features the letters 'GMMI' in a bold, blue, sans-serif font. The letters are positioned in the center of the frame. Behind the letters is a large, stylized swoosh that starts from the bottom left, curves upwards and to the right, and then curves downwards to the right, creating a sense of motion and speed. The swoosh is dark gray with a white outline.

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