



FACTS AND FIGURES

1964

GVF Impianti Srl was founded in 1964 by three partners: Ing. Mattei, Fiorini Mario and Gozzi. Thanks to their experience, gained in the USA, in building and designing machineries and plants, they firstly began to serve the foundry sector.



Years after years the company has slowly improved the production range, by supplying products in more and more sectors of application and to different types of customers.

INNOVATIVE AND EFFICIENT SYSTEMS: ***Together to solve any problem***

To be successful in the today's global industrial machineries' market, companies need to provide Mission-Driven Machines, which are smarter, more functional and easier to maintain.

The market expects maximum durability, not only on a day-to-day basis, but also in the long term, in order to remain productive for years.

That is why our company main objective has always been to satisfy customer needs, even if it requires high levels of product's customization.



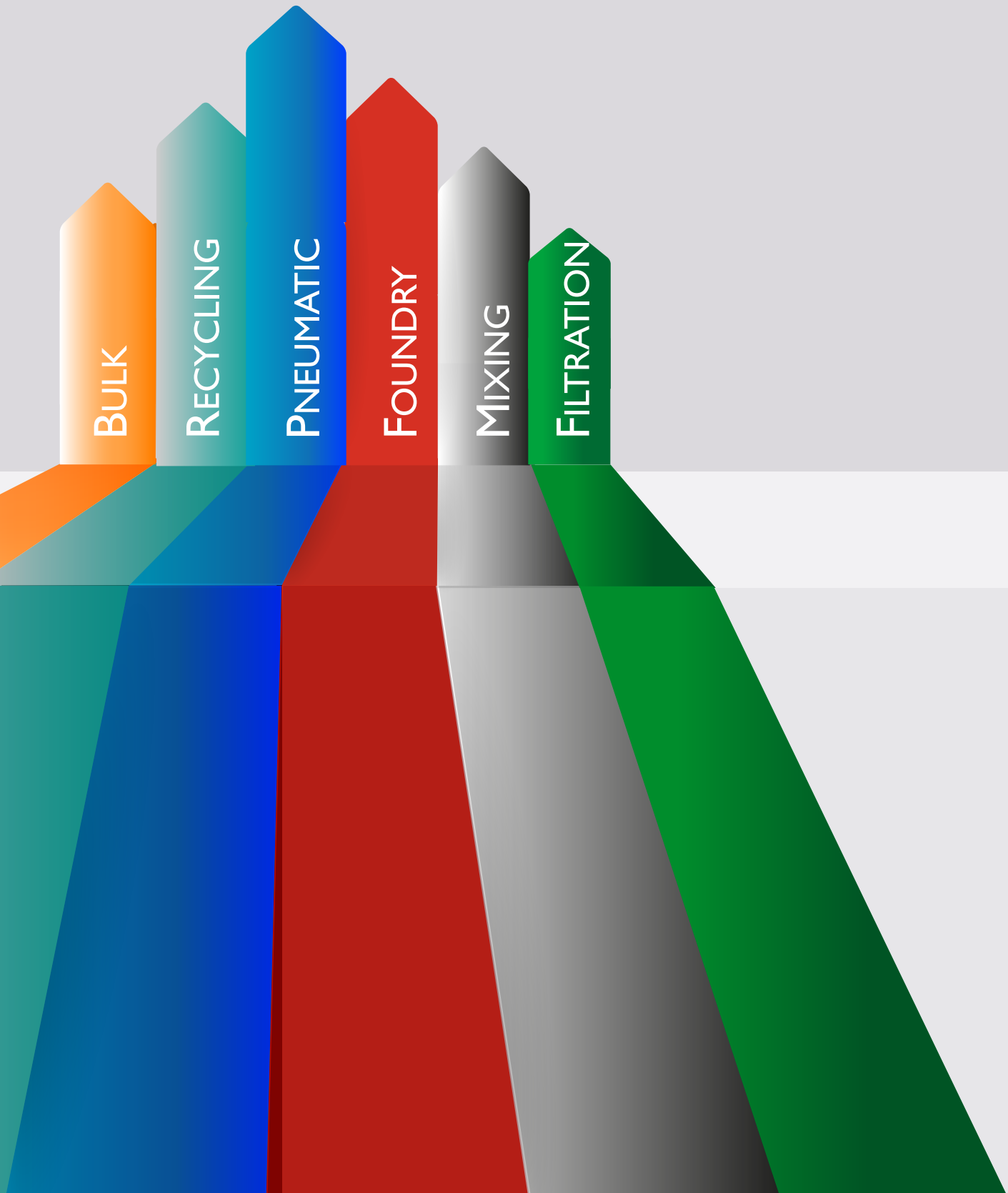
In 2000 the business passed from one generation to the next, and the Fiorini family acquired the complete ownership of the company.

Like the ownership of the company also the company view changed, in order to become more and more customer oriented.



Recently the company has enlarged its target markets abroad, by supplying goods and establishing business relationships in a lot of European countries.

During next years our main goal is to grow further, with the support of our selected partners, and solving our customers' problems with high quality solutions.



PNEUMATIC CONVEYING SYSTEMS



OUR CERTIFICATIONS

IN-HOUSE ENGINEERING

Our company studies each production process of its customers, in order to provide them with the best solution, not only in terms of productivity, but also in terms of efficiency and effectiveness. This allows our company to be able to project the entire system's functioning and management logic.

Engineering department uses the most up to date design and 3D simulation systems. Engineers interact with the mechanical production department, and follow all the production phases up to the assembling, the start-up and the commissioning of the machine in customer's premises.

52 YEARS OF EXPERIENCE

GVF Impianti was born in 1964 and started its production in machines and complete plant for the foundry sector. Years after years it extended its production range and acquired a solid experience in the bulk material handling sectors.

GVF Impianti service is fully comprehensive and is underwritten by over 52 years of specialist experience in bulk solids handling system and engineering. This impressive background, together with the in-house production and engineering is your guarantee of total satisfaction, from the first consultation to the final installation, commissioning and after-sales support.

PED COMPLIANT PRODUCTS

In order to improve production quality and to control all the production processes internally, GVF Impianti Srl has decided to request and obtain the WPS (Welding Procedure Standard) certification. The company is now able to produce PED compliant vessels for its pneumatic conveyors, certified by TÜV (CE0948). Indeed we strongly believe that the in-house production of our products is part of our strength, because it allows products customization and quality controls for the entire production system.

Our pneumatic conveyors are also compliant with the following directives: ISO 9606-1, EN 13445-1, EN 13445-2, EN 13445-3, EN 13445-4, EN 13445-5, UNI EN 1092-1.

SOFTWARE DEVELOPMENT

Our company is able to provide also a complete service of in-house industrial automation, for its machineries and its complete turn-key plants, thanks to an internal software development department, which follows and studies all projects in order to provide the best solutions. The software development department takes care of the software project and the mechanical automation project. It follows also the creation and assembly of control, power and monitoring panels. Moreover, in order to offer the best solution possible in terms of industrial automation, our company has established some important partnerships with the major global powerhouses such as Siemens. This results in a fundamental quality guarantee and improvement.

PNEUMATIC CONVEYORS MAIN FEATURES

DETAILS

- *Design pressure: 6bar*
- *PED compliant*
- *Supply voltage: 240 Vac*
- *Auxiliary voltage: 24 Vdc*

**UNIFORM
AIR DISTRIBUTION
SYSTEM**



**CARBONITRATED
OUTLET IN NI-HARD
CAST IRON WITH
ROTARY FLANGES**

**LATERAL
AIR
DISTRIBUTION
SYSTEM**



OPTIONAL FEATURES

- *Stainless steel construction AISI316*
- *Weighing system with load cells*
- *Double loading valve*
- *Min. level probe*
- *Supporting structure on wheels*

ADVANTAGES

- *Automatic execution*
- *Low wear*
- *Reduced product breakages and degradation*
- *Low gas consumption*
- *High efficient ratio product/gas*
- *No moving parts*
- *Low operating and maintenance costs*
- *External air injection system possible*
- *Use of hydrogen in explosive atmosphere possible*

PNEUMATIC CONVEYOR TYPE GA

Pneumatic conveyor type GA is characterized by the presence of a butterfly inlet valve PN16 with pneumatic actuator. This type of conveyor is particularly suitable for normal wearing materials



FEATURES

- Heavy duty construction
- Butterfly valve with pneumatic actuator
- Possibility to install a double loading butterfly valve
- Vessel fluidizing air-jets (from GA90lt.)
- PLC control panel
- Operator interface with touch screen
- Capacity from 24 to 4000 lt
- Outlet unit in NiHard cast iron (2" 1/2 - 3")
- The outlet in carbonitrurated NiHard cast iron is equipped with rotary flanges
- Suitable for normal wearing materials
- Equipped with electro-pneumatic control panel in box

PNEUMATIC CONVEYOR TYPE GA COMBO

COMBO conveyors are modular, solid and economical products, ideal for powders and grains. They are suitable for the installation under filters outlets, for the salvaged material of sack filling machines, and in all the applications which require simplicity and reliability in a compact machine.



FEATURES

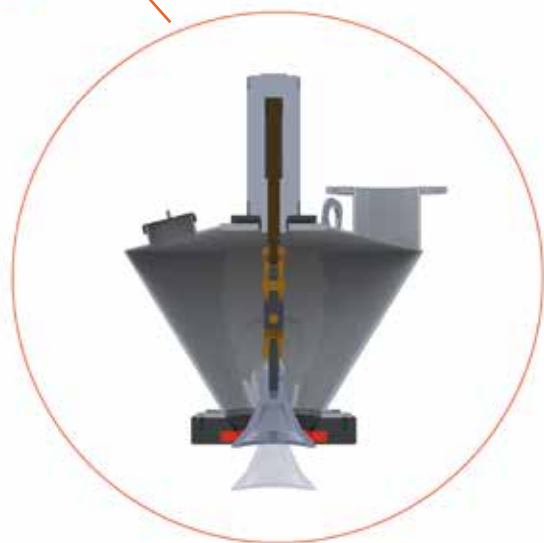
- Heavy duty construction
- Butterfly valve with pneumatic actuator
- Possibility to install a double loading butterfly valve
- PLC control panel
- Capacity from 24 to 49 lt
- Outlet unit in NiHard cast iron (2" 1/2 - 3")
- The outlet in carbonitrurated NiHard cast iron is equipped with rotary flanges
- Suitable for normal wearing materials
- Equipped with ON BOARD electrical and pneumatic control panel
- Compact sizes

PNEUMATIC CONVEYOR TYPE GC

GC series is supplied with an inlet cone valve studied and produced by GVF Impianti. The valve is made in NiHard cast iron, and is complete with a special gasket, which can be supplied also suitable for high temperature up to 120 °C.



**LOADING
CONE
VALVE IN
NI-HARD
CAST IRON**



FEATURES

- Inlet cone valve
- Wear-resistant conveyor suitable for highly abrasive materials
- PLC control panel
- Capacity from 24lt. to 500 lt.
- Outlet group in Ni-Hard cast iron (2" 1/2 - 3")
- Available gasket for high temperature
- Minimum level probe
- Vibrating probe

PNEUMATIC CONVEYOR TYPE GA-A



AA series, characterized by a weighing system on inlet cells that allows performing batching processes before the transport, enriches GVF Impianti's range of conveyors.

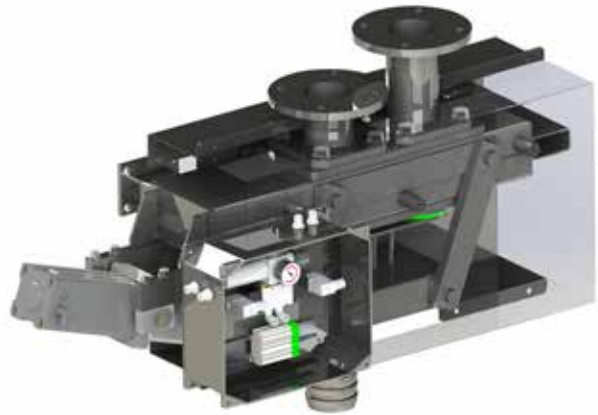
FEATURES

- The pneumatic conveyor type GA-A has the same features of the GA type, but it is equipped with load cells for the materials' weighing
- On board electrical and pneumatic panels
- Produced in sizes from 24lt. to 150lt.

SOME APPLICATIONS



PNEUMATIC CONVEYING EQUIPMENT



TWO WAYS DIVERTER VALVE TYPE DAS

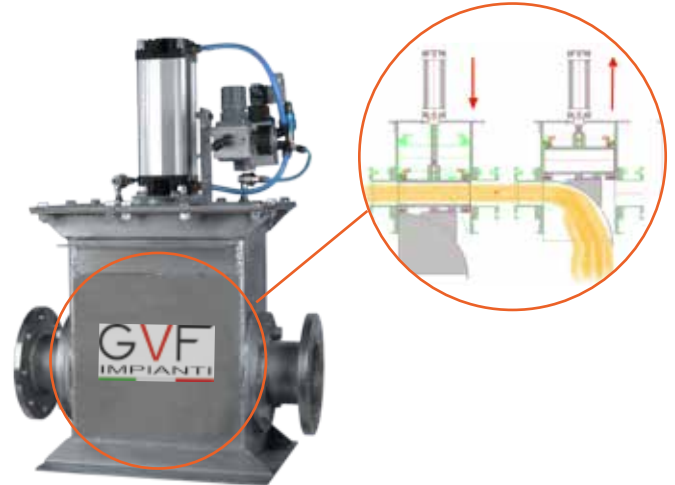
DAS series diverter valves are studied to be installed on the top of the silos, giving the possibility to divert between more silos or to become a terminal box made in a wear-resistant material. When it is needed to discharge the product into the silo on which the valve is installed, the diverter deviates the material's flow, thanks to a 90° diversion based on an interchangeable expansion drawer, made in a wear-resistant material. When the valve is in the conveyance position a group of pneumatic gaskets, controlled by a pressure switch, guarantees the valve's seal up to 4 bar. The gasket is easily replaceable. The two-way diverter valve DAS turns out to be essential for most of the storage systems.

FEATURES

- *Low maintenance*
- *Easy to install*
- *Wear-resistant*
- *Diameter from 2"1/2 up to 10"*

MAIN APPLICATIONS

- *Loading of sets of storage bins*
- *Suitable for dense and dilute phase conveying systems*
- *Quick load from truck*
- *Transport of non miscible materials*
- *Transport of abrasive materials*



TWO WAYS DIVERTER VALVE TYPE DP

DP series diverter valves allows to select the flow from one to two lines and from two lines to one. The mechanical outfit is precise and adjustable; the gaskets are interchangeable to guarantee simple and effective maintenance services. When the valve is in position, the unused way is closed mechanically. The two-ways diverter valve type DP represents the best solution for most of the pneumatic conveying applications.

FEATURES

- *Compact*
- *Accurate and reliable*
- *Pollution-free*
- *Wear-resistant*
- *Simple maintenance*
- *Easy to install both vertically and horizontally*
- *Limit switches on the piston*
- *Diameter from 2"1/2 up to 10"*

MAIN APPLICATIONS

- *Loading of sets of storage bins*
- *Dense and dilute phase conveying systems*
- *Quick load from truck*
- *Transport of non miscible materials*
- *Transport of abrasive materials*



TWO-WAYS DIVERTER VALVE TYPE Y

The two-ways diverter valve type Y allows the selection between two different ways, through the opening and the closure of two pinch valves. The diverter's body is made in steel carpentry, with flanged connections. The diverter is equipped with two pinch valves installed in the outlet flanges, and two activation solenoid valves installed on board the machine. This diverter is particularly suitable for pneumatic conveying system in both diluted or dense phase.

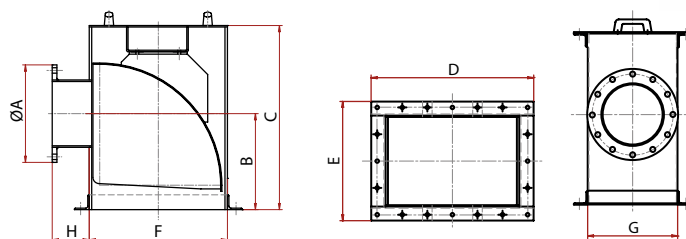


FEATURES

- Suitable for normal wearing materials
- Equipped with two pinch valves and a pneumatic panel with pressure control
- Suitable for dense phase transport
- Available with parallel outlets, at 30° and 45°
- Produced in sizes from 2"1/2 up to 6"
- 1 inlet and 2 outlets

TERMINAL BOXES TYPE PAAS

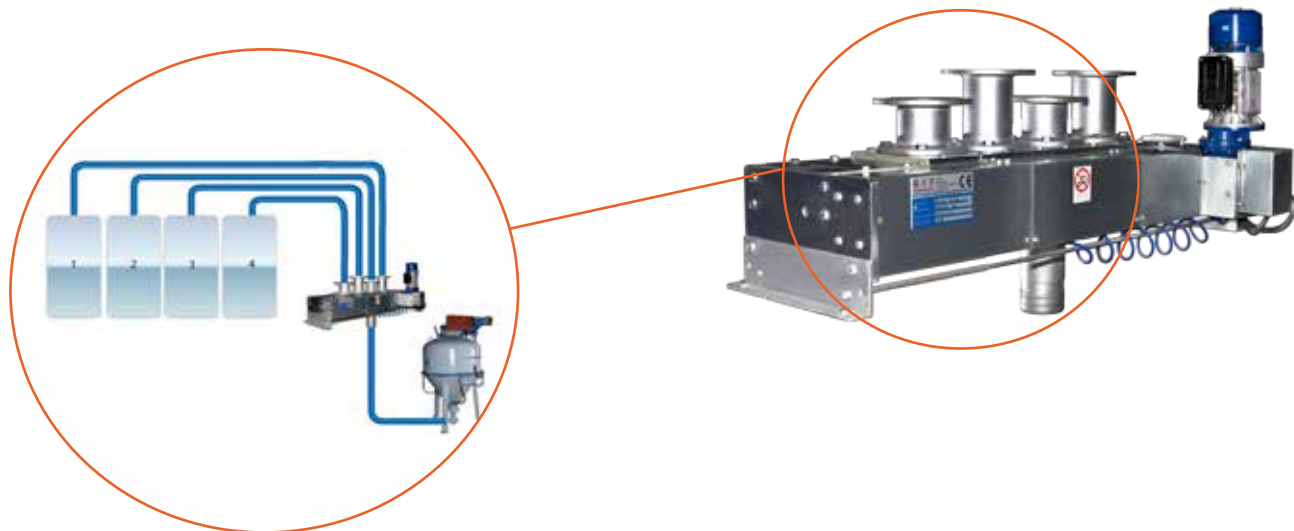
The terminal box is used as a transport pipeline termination. It is installed at the end of a series of DAS diverter valves or on systems with only one receiving point. Its dimensions are lower than a long radius bend. The terminal box allows tangential entry of material into the receiving hopper; the material is deflected through 90° by a wear-resistant deflector plate which is easily accessible for inspection or replacement.



Type	øA	B	C	D	E	F	G	H
PAAS 2" 1/2	ø185 (DN65)	170	326	425	310	325	210	110
PAAS 3"	ø200 (DN80)	170	326	425	310	325	210	110
PAAS 4"	ø220 (DN100)	170	366	425	310	325	210	110
PAAS 5"	ø250 (DN125)	180	416	425	360	325	260	110
PAAS 6"	ø285 (DN150)	200	476	480	400	380	300	120
PAAS 8"	ø340 (DN200)	250	546	580	430	480	330	135
PAAS 10"	ø395 (DN250)	389	746	680	510	560	390	150

MULTI-WAYS DIVERTER VALVE TYPE DS

The DS series represents the most technologically advanced version of GVF Impianti's diverter valves. The DS valve is designed to have only one incoming pipe and multiple outgoing pipes, in order to manage complex systems featuring up to 12 outlets, with considerable savings in terms of pipes, assembly costs and operating space. It is possible to install the valve both vertically and horizontally by means of the lower fixing plates, giving the valve a particularly versatile application.



The DS valve is provided with an inflatable sealing gasket that guarantees a perfect seal, up to pressures of 4 bar. A management and control group connected to the PLC, which signals possible malfunctioning and makes the system safe, controls the gasket. The gasket is easily accessible for replacement in case of normal wear. The valve's configuration allows an automated management through a control board with PLC and touch screen interface that is connectable to the existing plants for a complete automation.



FEATURES

- Compact
- Accurate and reliable
- Pollution-free
- Wear-resistant
- Simple maintenance
- Easy to install both vertically and horizontally
- Diameter from 2"1/2 up to 10"
- From 2 to 12 outlets

MAIN APPLICATIONS

- Loading of sets of storage bins
- Dense and dilute phase conveying systems
- Quick load from truck
- Transport of non miscible materials
- Transport of abrasive materials



WEAR-RESISTANT SQUARED BEND TYPE CSQ

GVF Impianti's wear-resistant squared bend CSQ series is produced in carbonitrided NiHard cast iron, in order to give it a high hardness and wear resistance. The bend's special design permits the material to deposit and create a protective shield on the bend's walls. This is the reason why it is generally called **SAND-OVER-SAND** bend. CSQ bend is produced in the version with two ways (CSQ2) or with three ways (CSQ3). Both versions are supplied with rotary split flange, produced in cast iron NiHard too, that permits to turn the bend around its own axis of rotation as you prefer, guaranteeing the highest flexibility during the execution of the pipes and the layout of the ways. Outfitted with eyebolt for uplift, it is supplied with gaskets made in vulcanized rubber.

FEATURES

- *Especially suitable for dense and dilute phase conveying systems*
- *Suitable for abrasive materials (silica sand, sand blasting residues)*
- *Made in carbonitrided NiHard cast iron*
- *Split flanges PN 10*
- *Gaskets in high quality vulcanized rubber*

ADVANTAGES

- *High wear-resistance*
- *Easy setup*
- *Perfect tightness*
- *Highest flexibility*



WEAR-RESISTANT SEGMENTED BEND TYPE CM

GVF Impianti wear-resistant segmented bend CM series is composed by three interchangeable sectors with rotary split flange and a gasket interposed. The rotary split flanges permit to make path and direction diversions, removing the need of placing and welding the tubes in the construction site. In this type of bends the transported product is not subjected to particular losses of load, due to the bend's large average range. All bend's components are molten in high quality NiHard cast iron that, in order to guarantee high mechanical properties, is carbonitratrated.



ADVANTAGES

- *High wear-resistance*
- *Interchangeable sectors*
- *Directional elements*
- *Sectional curves of 30°, 60° and 90°*
- *Easy installation*

FEATURES

- *Especially suitable for dense and dilute phase conveying systems*
- *Suitable for abrasive materials*
- *Made in carbonitrided NiHard cast iron*
- *Gaskets in high quality vulcanized rubber*
- *Split-flanges PN 10*

GVF Impianti Srl BUSINESS SECTORS

Efficiency and Effectiveness are our key-words



Ideas , Projects and **Solutions** in order to provide our customer with the best product possible.

GVF Impianti Srl designs and produces in-house both standardized and customized products, in order to satisfy each possible customers' need.

Various sectors of application are covered by our company's production. The main corporate divisions are: pneumatic conveying system, bulk material, mixing, foundry, recycling and filtration.

Favored by 52 years of experience and a strong knowledge in different sectors, we provide reliable machineries, equipment and turn-key solutions.





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