



High Technology

**Beijing VP Co., Ltd Remove
this (BJVP) Pigging System
use for Recovery of Product**



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Overview of the BJVP pigging system





System Definition & Functionality

The need for product recovery

At the conclusion of a product transfer through a pipeline, a certain amount of residual product inevitably remains in the system. This leftover product can result in unnecessary waste and lost revenue. Traditional methods such as flushing pipes with water or other detergents not only waste material, but also increase the burden on the environment.

How pigging systems work

The process involves sending a cylindrical device, known as a "pig," through the pipeline, propelled by compressed air or nitrogen. The pig is constructed with an elastomeric exterior, slightly compressed, which facilitates the removal of any remaining product as it moves through the pipeline. The pig effectively scrapes the pipeline's inner walls, collecting and pushing out any leftover product into a recovery container. This allows for maximum product recovery, reducing waste and ensuring that every last bit of valuable material is efficiently captured.

Wide range of applications of the system

BJVP pigging systems are used in a variety of industries such as personal care products, food, beverage, animal feed, coatings and chemicals, helping businesses reduce waste and increase profitability.

VP Pigging System

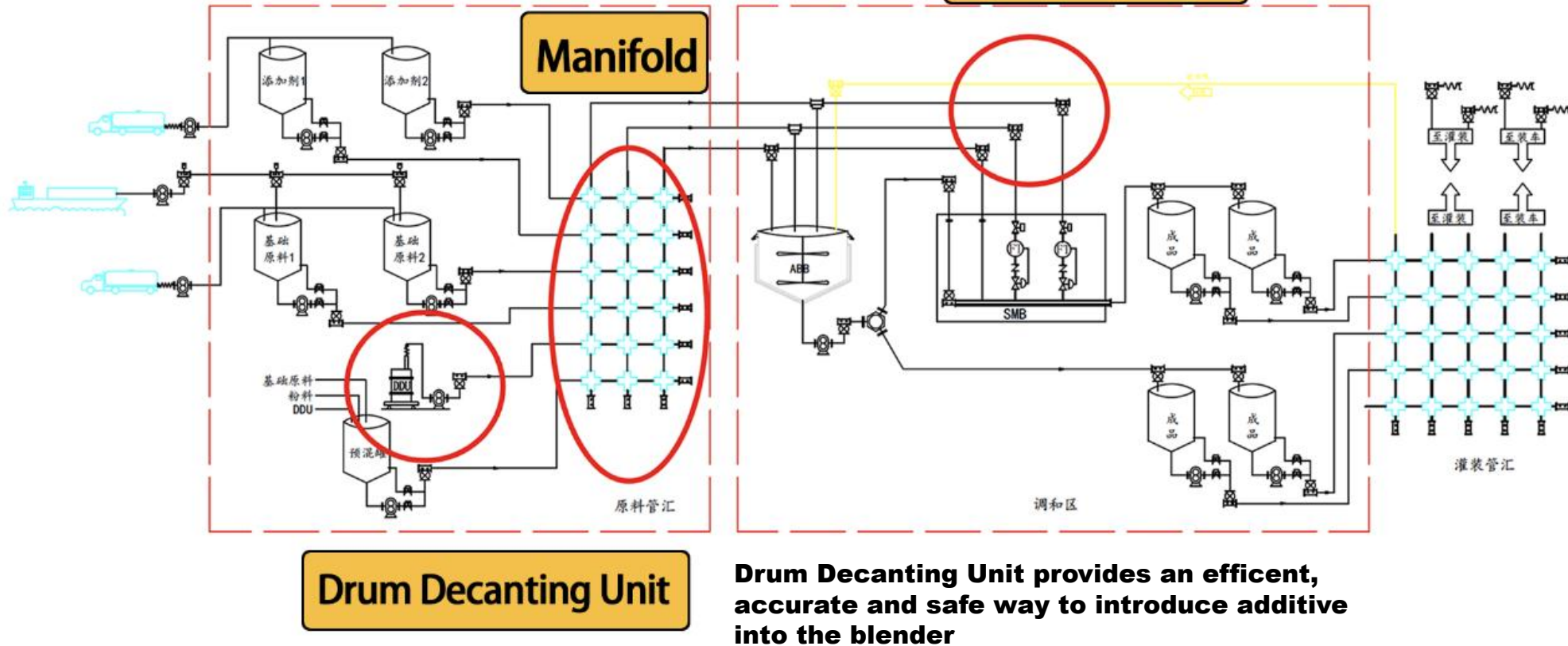


Residual liquids in the pipeline are difficult to remove. Pig with multiple lips inserted into the pipeline is pushed by air or nitrogen to thoroughly clean and remove any residues, leaving approximately 1 g/m in the pipeline. Pig speed can be adjusted by air pressure. Typical pigging air pressure is 3-5 barg. The system can be designed to remove static electricity.

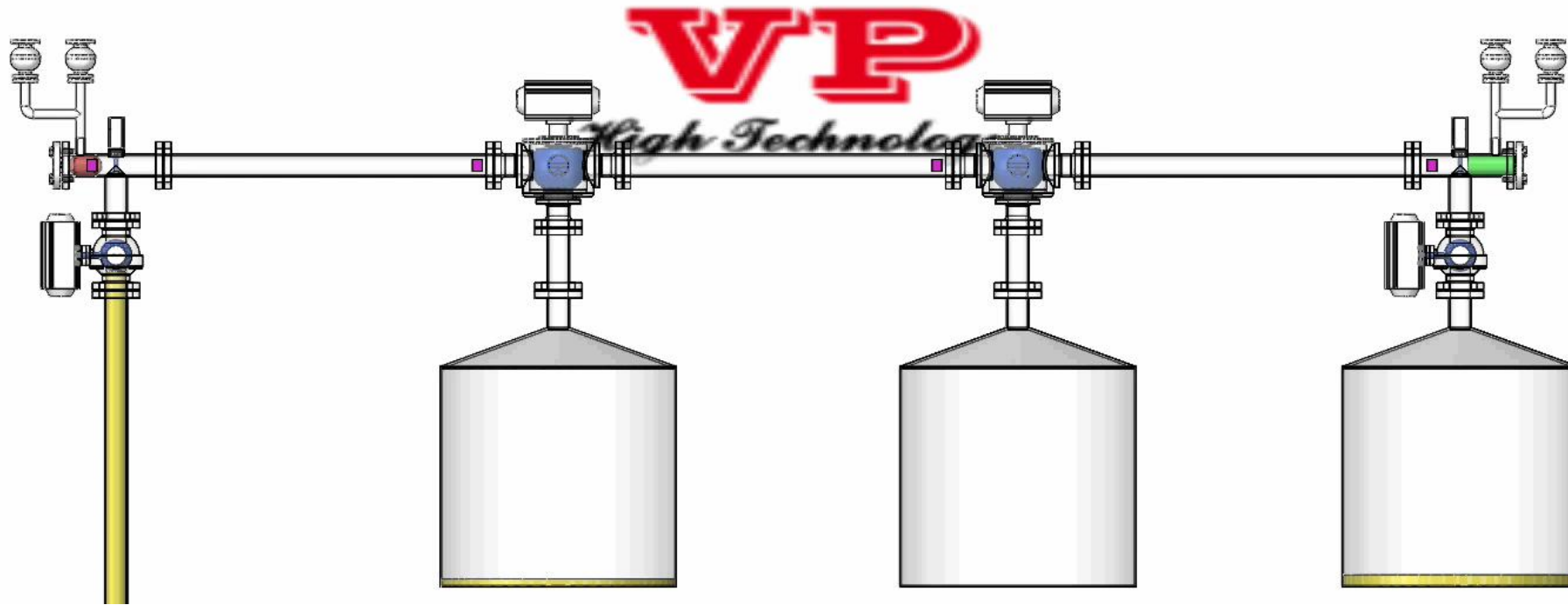
VP Pigging System

Manifold helps to reduce construction cost and the number of piggings running through your facility

Pigging system provides an efficient pipe cleaning and recovery of product in the pipping system



VP Pigging System



Typical pigging system using T-Valves to deliver product to multiple tanks.



Long Radius Elbows are necessary to ensure Pig move through smoothly in a pipping system.BJVP manufactures Long Radius Elbows in many different type of materials

Advantages and benefits of the system

Cost reduction and profitability improvement

By recovering the remaining valuable product in the pipeline, the BJVP pigging system directly reduces material waste, lowers production costs, and thus improves the profitability of the enterprise.

Companies are able to use raw materials more efficiently and reduce additional procurement costs due to lost products.

Product recovery and production efficiency optimization

The pigging system ensures maximum use of raw materials in the production process, reducing production interruptions and clean-up times due to product residues.

Enterprises can improve overall production efficiency by scheduling production more efficiently and improving equipment utilization.

Environmental benefits and sustainable development

The pigging system reduces the use of wastewater and other cleaning agents generated by flushing pipes, reducing environmental pollution.

Companies are better able to comply with environmental regulations, reduce penalties and reputational damage due to environmental pollution, and achieve sustainable development.



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**Application of BJVP
pigging system in various
industries**

Personal care products industry



The demand for recovery of shampoos, shower gels and other products

Personal care products such as shampoos, shower gels, lotions, and creams are often viscous in texture and have a large amount of residue in the pipe after being pumped through the piping system.

The hygienic and quality requirements of these products are strictly required in the production process, which is difficult to meet by traditional cleaning methods, and will cause a lot of product waste.

The advantages of BJVP pigging system in this industry

The BJVP pigging system can efficiently recover residual personal care products in the pipeline, reduce waste and improve raw material utilization.

By precisely controlling the movement speed and pressure of the pig, the product recovery process is ensured to meet hygienic standards and the quality of the product is not compromised.

The impact on the economic benefits and brand image of the enterprise

By reducing product waste, enterprises can reduce production costs, improve economic benefits, and enhance market competitiveness.

Effective product recovery measures can help companies establish an environmentally friendly and efficient brand image, and win the trust and recognition from customers.

Food industry

01

Recovering challenges for food products such as ice cream and butter

Products such as ice cream, butter, chocolate, ketchup and cheese in the food industry are often pumped in liquid or semi-fluid form. These food residues in the pipe not only cause economic losses, but can also affect the quality of subsequent products, making cleaning more difficult and costly.

02

Advantages of pigging system in the food industry

The BJVP pigging system can quickly and thoroughly recover the food residue in the pipeline, reduce product loss and improve the utilization rate of raw materials.

The system complies with the hygienic standards of the food industry and ensures that the recovery process does not contaminate the food and therefore ensure food safety.

03

The role of production efficiency and quality control of food enterprises

Companies can make production changeovers more efficiently, reduce production interruptions due to pipeline cleaning, and therefore increase productivity.

By accurately recovering the residual food, the consistency and quality stability of the subsequent product is ensured, and the quality problems that may arise due to product mixing are substantially reduced.

Chemical industry

1

The importance of recovering chemicals such as polymers and solvents

Products such as polymers, solvents, and alkalis involved in the chemical industry are usually of high value and hazardous.

Chemicals left behind in pipelines not only cause economic losses, but can also pose a threat to the environment and human safety.

2

Application characteristics of BJVP pigging system in chemical industry

The BJVP pigging system can effectively recover the residual chemicals in the pipeline, reduce material waste and improve resource utilization.

The system uses advanced sealing and drive technology to ensure a safe and reliable pigging process and avoid chemical leakage and contamination.

3

Impact on safety production and cost control of chemical enterprises

By reducing chemical waste, companies reduce production costs and improve economic efficiency, while reducing the environmental risks and safety incidents that may be exposed to chemical spills.

The efficient recovery function of the pigging system helps companies to better manage chemical inventory, optimize production processes, and improve production efficiency.





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**BJVP pigging system's unique
technology and customized
services**

Advanced pigging technology and equipment



Design and material selection of pigs

The BJVP pig is made of elastic material, which has good sealing and wear resistance, and can be designed for different pipe inner diameters. The outer surface of the pig is specially treated to effectively scrape off residual product from the inner wall of the pipe.



Optimization and control of the drive system

The pigging system uses compressed air or nitrogen as the driving medium, and the pressure can be adjusted according to the length of the pipe and the characteristics of the product to ensure the stable movement of the pig.

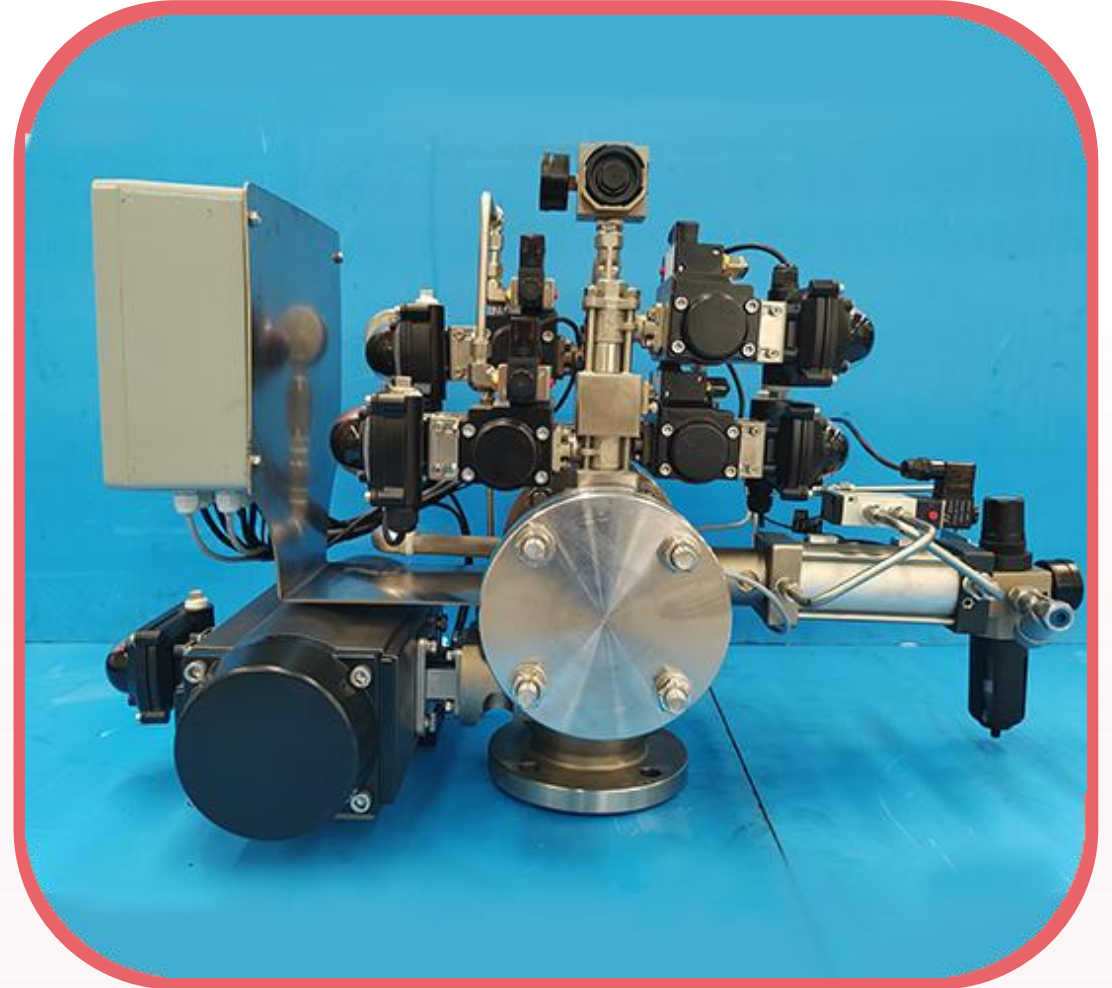
The system is equipped with advanced sensors and control systems to monitor the position and speed of the pig in real time for precise control and automatic operation.

Customized service and customer support

Meet the needs of different customers

BJVP provides customized pigging system solutions according to customers' piping systems, product characteristics and production requirements.

From the design of the pig, the configuration of the drive system to the selection of the recovering container, the actual needs of the customer are fully considered to ensure that the system is perfectly matched with the customer's production requirements.



Customized service and customer support

Professional technical support and after-sales service



BJVP has a professional technical team to provide customers with a full range of technical support from system design, installation and commissioning to operation training. Provide timely after-sales service, including equipment maintenance, troubleshooting, and spare parts supply, to ensure the long-term stable operation of the pigging system.

Build long-term relationships with customers



BJVP focuses on long-term cooperation with customers, and provides customers with continuous improvement solutions through continuous technological innovation and optimization. Regularly visit customers to understand the operation of the system and customer feedback, adjust and optimize the service content in a timely manner, and ensure customer satisfaction.





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**BJVP's industry position and
market competitiveness**



25 years of industry experience and technology accumulation

Rich project experience and technical expertise

BJVP has more than 25 years of industry experience in the field of pigging systems, and has accumulated rich experience in project implementation and technology research and development. Thousands of pigging systems have been successfully installed and operated around the world, covering multiple industries and application scenarios, and a large number of practical data and successful cases have been accumulated.

technological innovation and improvement

The company pays attention to technology research and development and innovation, and continuously invests resources in the research and development of new technologies and new products. Through cooperation with universities, scientific research institutions and industry experts, combined with practical application requirements, we continue to improve the technical performance and functional characteristics of the pigging system.

Industry standard formulation and technology leadership

With its leading position in the industry and rich technical experience, BJVP has participated in the formulation of a number of pigging system industry standards. The company's technical experts have a high reputation and influence in the industry, and have made important contributions to the development and application of pigging system technology.





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**Reasons for choosing BJVP
pigging system and future
prospects**



Comprehensive advantages of choosing BJVP

Leading technology and excellent product performance

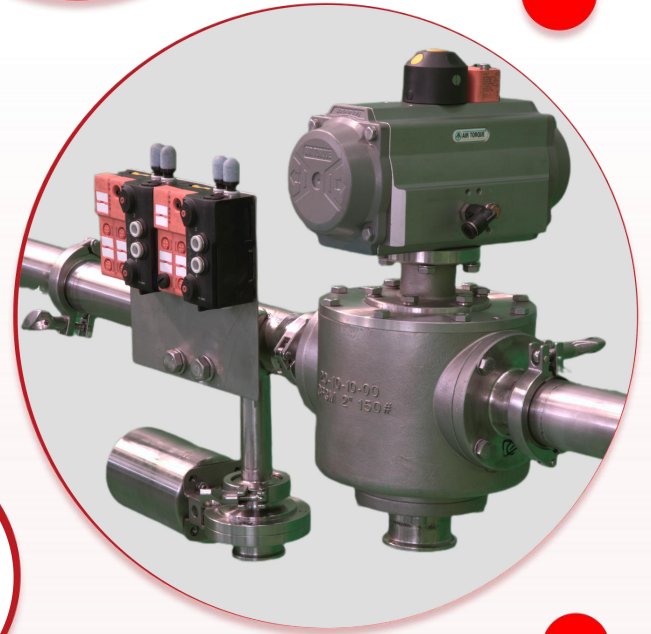
BJVP's pigging system adopts advanced technology and design concept, and the product performance is in a leading position in the industry. The efficient recovery capability of the pig, the stability and reliability of the drive system, and the practicality and safety of the recovery container all provide users with an excellent user experience.

Customized service and high customer satisfaction

The customized service provided by the company can fully meet the individual needs of customers and ensure that the pigging system is perfectly matched to the customer's production process. Professional technical support and after-sales service team to provide customers with a full range of protection, to ensure that customers have no worries in the process of use, high customer satisfaction.

High brand reputation and industry recognition

As a well-known brand in the industry, BJVP has a high reputation and industry recognition. With many years of industry experience and good market reputation, the company has won the trust and recognition of customers and has become a reliable partner of many enterprises.



Future development trends and prospects

Technological innovation and product upgrading

01

With the continuous progress of science and technology and the change of market demand, BJVP will continue to increase investment in technology research and development, and promote the technological innovation and product upgrading of pigging system.

In the future, a more intelligent and efficient pigging system will be developed to further improve the efficiency of product recovery and the stability of system operation.

Market expansion and global layout

02

BJVP will continue to expand the global market and strengthen its layout and promotion in emerging markets. Through cooperation with local partners, we have a deep understanding of the needs and characteristics of different markets, provide solutions that are more suitable for the local market, and increase market share.

Sustainable development and environmental protection concepts

03

The company will continue to uphold the concept of sustainable development, focusing on environmental protection and resource conservation.

By continuously optimizing the design and operation of the pigging system, we can further reduce energy consumption and environmental pollution, and contribute to global sustainable development.



High Technology

Are you looking to reduce your manufacturing costs and improve your competitive edge in the marketplace? Contact BJVP today to discover how our advanced pigging systems can streamline your production process, minimize waste, and boost your profitability. Let us help you enhance efficiency and sustainability in your operations.

