

MIDLAND INDUSTRIAL DESIGNERS



POWDER HANDLING EQUIPMENT

MIDLAND INDUSTRIAL DESIGNERS LIMITED

BULK POWDER HANDLING EQUIPMENT

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DIVERTER VALVES

Standard Range

Our main pneumatic conveying diverter valve product is the TSY heavy duty valve. The sealing performance, wear resistance and ease of maintenance is outstanding. The valve can be used for the dilute conveying of abrasive materials, dense phase high pressure systems and as a scale (diverter vent) valve. The use of the same tried and tested components assembled in different ways gives an extremely flexible valve with straight through, Y type and diverter vent all using the same core sub-assemblies. The valve body can be cast from aluminium, stainless steel or cast iron with a hardened finish for very abrasive products. Larger diverters are fabricated from your choice of materials. Lighter duty pneumatic conveying for materials such as flour can use our ST diverter valve. It has an excellent record of being hard wearing and easy to maintain. We regularly refurbish valves to as new condition supplied as long ago as 1970.



For gravity diverting, the GR heavy duty diverter valve offers a fully sealed, self-compensating vane, heavy duty fabricated construction, ball bearing mounted shaft and easy to maintain design. We can offer many different construction materials from mild steel to specialist stainless steels. For abrasive products the diverting vane can be hardened or for the ultimate in abrasion resistance the vane and body can be ceramic coated.

Where multiple outlets are required the MID multi-way diverter can send product from one inlet to up to 12 or more outlets with little resistance, no leakage and minimum fuss. Used on products as diverse as carbon black, coffee beans and gravel powder the multi-way offers unrivalled efficiency, longevity and performance.

Custom Range

If your configuration is not covered by our standard range then MID will design and build your own bespoke unit. Very large or small valves, exotic materials, abrasion resistance and odd sizes are all run of the mill for MID.

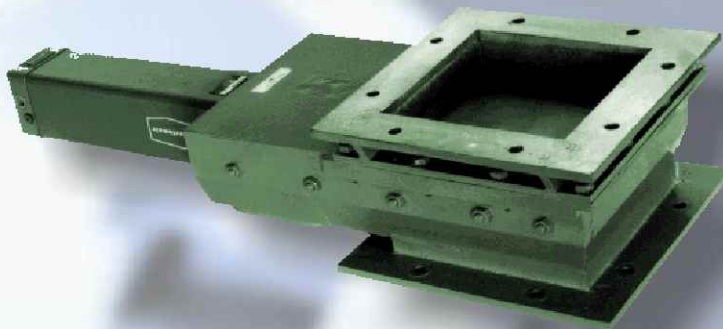
SLIDE VALVES

Standard Range

Virtually every type of bulk product has been handled by the MID range of slide valves. As standard, materials of construction are mild steel, stainless steel, cast iron and aluminium. Plate support is by studs on smaller sizes and sealed rollers on the larger units. A full bore throughout stops product bridging, the easily maintained seals allow simple maintenance and the wide choice of operation from pneumatic to electric allow a convenient choice of motive power. Unrivalled longevity, performance and ease of maintenance make our standard range an extremely popular choice.

Custom Range

We can make valves of almost any size and from any material that can be fabricated. Quick closing fire damper valves, high pressure inflatable seal valves, Teflon coated and titanium materials have all been designed and constructed at MID.



ACCESSORIES

Sifter

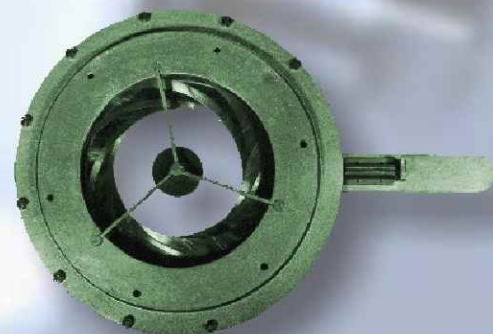
Customer choice and flexibility is at the heart of the design of the MID sifter. Modular construction, wide choice of accessories, ease of maintenance and low purchase cost are why the MID sifter is being specified on a wide range of process plant. Swivel mounts, fan assisted venting, high speed motors and various construction materials give the end user a wide choice in their configuration.

Dyris Valve

Our oldest and most well tested valve is still being produced but with updated production methods and materials. The unique steel petals squeeze the tough rubber sleeve to control powder discharge from hoppers, IBCs and big bags. Easy maintenance, quick spares availability and a fast refurbish service keep users specifying the Dyris valve over and over again. Our oldest Dyris customer has been using the same valve for 30 years, returning the valve to MID every few years for a service. We can supply it hand or air operated, with stainless contact parts and food grade seals. Sizes start at 100mm diameter and go up to 400mm as standard.

Bends, Delivery Adapters and Couplings

The MID bend system is used in sections to create whatever configuration the customer requires. Wear resistance is achieved with abrasion resistant materials such as ni-hard or hardened cast iron. Couplings are extremely easy to fit, give a continuous earth and have exceptional sealing



HISTORY

MID has been in business since 1959 and has built an enviable reputation for extremely good products and service. Throughout our history we have always produced only the best equipment for the purpose and have a policy of never skimping on quality for the sake of cost. Guaranteed performance, experienced and knowledgeable engineers, fast response to on-site problems and unmatched product quality has all helped to build customer confidence in MID. We have been mentioned many times in our customer's newsletters when getting them out of sticky situations, restoring production quickly and efficiently. Ordering products from MID gets you exceptional pre and after sales service as well as outstanding powder handling equipment.