

Description and Working Principle

VAD-type Diverter Valves are suitable for use in pneumatic conveying lines for handling any type of product in powder or granular form. Activation of the actuator makes it possible to change the direction of the material flow. Surface treatment is available to make the valves suitable for operation with different materials. VAD-type Diverter Valves guarantee minimum pressure loss and contamination-free, pressure-proof operation. The range suits common pipe standards used for pneumatic conveying. Internal sealing of the aluminium-cast body is achieved through low friction gaskets.

Features and Benefits

- Low weight
- Compact overall dimensions

Technical Features

- Operating Temperature:
-20° C ▶ 80° C
- Operating Pressure:
max. 2.5 bar (36 psi)

For any further technical specs refer to Technical Catalogue.

解説および運転原則

VADタイプ切替弁は空圧輸送される粉体、顆粒体ラインにて使用アクチュエーターを使用し搬送品の流れを変更。搬送品によってバルブのコーティングを変更可能。VADタイプ切替弁は圧縮ロス、コンタミネーションフリー、耐圧運転を保障。パイプは空圧輸送規格パイプに適合。アルミニウム製本体内部シールは低摩擦ガスケットを達成。

特徴及び効果

- 軽量
- コンパクト設計

技術的特徴

- 運転温度
-20° C ▶ 80° C
- 運転圧力
max. 2,5 bar

その他の仕様は技術仕様書参照

Description et Principe de Fonctionnement

Les aiguillages VAD ont été conçus pour le transport pneumatique des produits pulvérulents et granuleux. La manœuvre de l'actionneur permet le changement de direction du flux de matériau en alimentant différentes lignes de transport. Différents traitements sont disponibles afin de s'adapter aux caractéristiques des matériaux. Les vannes by-pass VAD garantissent une perte de charge minimale et une rétention nulle du produit. La gamme est adaptée aux principaux standards de tube dans le transport pneumatique. L'étanchéité intérieure du corps en fonte d'aluminium est obtenue au moyen de garnitures à basse friction.

Caractéristiques et Avantages

- Faible poids
- Compacité

Détails Techniques

- Température d'exercice:
-20° C ▶ 80° C
- Pression d'exercice:
max. 2,5 bar au maximum

Pour tout complément d'informations consulter le catalogue technique.

Descrizione e Principio di Funzionamento

Il deviatore è concepito per linee di trasporto pneumatico per il convogliamento di qualsiasi tipo di prodotto, in forma di polvere o granulare. L'attuatore consente la commutazione della valvola e quindi la deviazione del flusso di materiale su una diversa linea di produzione. È possibile anche il trattamento superficiale per rendere la valvola adatta ai diversi materiali. Le valvole deviatrici VAD garantiscono una minima caduta di pressione e l'assenza di contaminazioni. La gamma si adatta ai formati di tubo più comunemente utilizzati nel trasporto pneumatico. La tenuta interna è garantita da guarnizioni a basso attrito, il corpo è realizzato in fusione di alluminio.

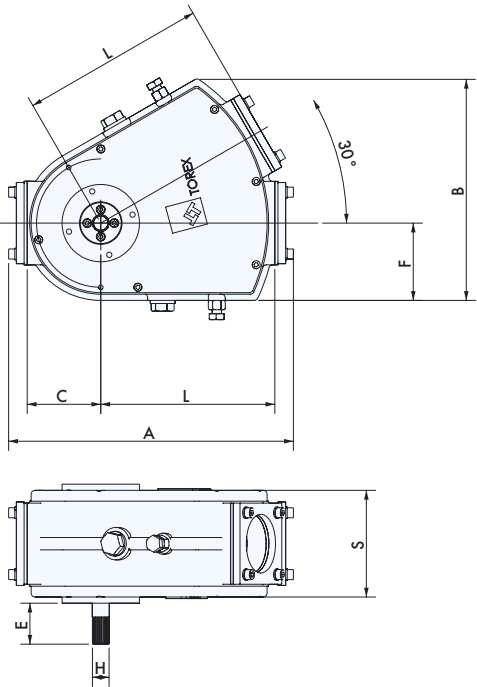
Caratteristiche e Vantaggi

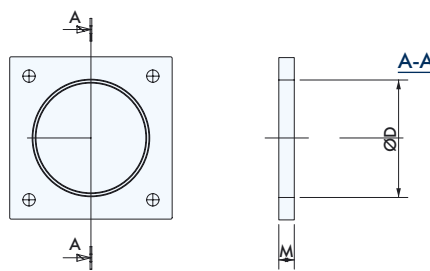
- Peso e dimensioni complessive contenuti


Caratteristiche Tecniche

- Temperatura di esercizio:
-20° C ▶ 80° C
- Pressione di esercizio:
max. 2,5 bar

Per ulteriori specifiche tecniche consultare il catalogo tecnico







Accessories - アクセサリー

TYPE	D NOM. [inches]	D NOM.	L	A	B	C	E	F	H DIN 5482	S	kg	TYPE	Ø D NOM. [inches]	Ø D	M
VAD 050	1 ½"	50	170	289	224	75	52.5	80	Toothing Verzahnung Denture Dentatura 22x19	122	10.5	VAD 050	1 ½"	48	10
VAD 080	2 ½"	80	225	368	287	95	52.5	100		135	17.5	VAD 080	2 ½"	76	10
VAD 100	3 ½"	100	240	393	311	105	52.5	110		155	21.0	VAD 100	3 ½"	102	10

Dimensions in mm

Design notes: Manufactured entirely in aluminium with the option of nickel-plating, the valve is activated either manually or by means of a pneumatic or an electric motor-operated actuator. A series of anti-friction gaskets ensures perfect sealing. Stub pipes are used for connecting the valve to the line.

デザイン注記：
アルミニウムボディー
(オプション：ニッケルメッキ)
切替方式
*手動、エアー、電動方式
耐摩耗ガスケット
輸送ライン接続用パイプ

Notes de fabrication: Fabriquée entièrement en aluminium, avec la possibilité d'un traitement superficiel de nickelage, elle est commandée soit manuellement, soit avec un actionneur pneumatique ou électromécanique. L'étanchéité est garantie par une série de joints anti-friction. Équipée de raccords avec les tuyauteries existantes

Note costruttive: costruita interamente in alluminio, con la possibilità di un trattamento superficiale di nichelatura, viene azionata manualmente, con attuatore pneumatico o motorizzato. La tenuta è assicurata da una serie di guarnizioni anti-attrito. È dotata di tronchetti per il raccordo con le tubazioni esistenti.

Coupling Actuators - 付属アクチュエーター

CP101

Pneumatic Actuator
エアーアクチュエーター



Operating Pressure
運転圧力
Pression d'Exercice
Pressione di Esercizio

2 ÷ 7 bar

3.3 kg

AE40A11

Electric Swivel Drive
電動アクチュエーター



0.18 kW
IP 55
50 Hz -200/400 Volt

Revolution
回転角度
Rotation
Rotazione

90° in 0.6 "

8 kg

CM4

Lever for Manual Actuator
手動レバー



1.5 kg

A detailed view of the main valve assembly, showing a grey, box-like body with a circular top cover. A line from the CP101 actuator points to the top cover, and a line from the AE40A11 actuator points to the side of the body. A line from the CM4 lever points to the top cover.

A photograph of the main valve assembly with a pneumatic actuator (CP101) mounted on top. The valve body is grey and has a large circular opening on the side. The actuator is a silver, cylindrical device with a black handle.

A schematic diagram of the valve assembly. It shows a grey valve body with a pneumatic actuator (CP101) and an electric swivel drive (AE40A11) mounted on top. A lever (CM4) is also shown. The diagram includes a label 'VAD' and a line connecting it to the valve body.



TOREX®

TOREX S.p.A.
Via Canaletto, 139/a
I - 41030 S. Prospero s/S. (MO) - ITALY

Tel. : +39 059 80 80 811
Fax : +39 059 90 82 04

torex@torex.it
www.torex.it

Further Products - Weitere Produkte - Autre Production - Altra Produzione

