

PLUG DIVERTERS



ROTOLUX
everything under control...

• PLUG DIVERTERS •

INTRODUCTION

Plug type diverter valves are used in the pneumatic conveying industry to re-route powder, pellets or granules from one discharge point to another.

The Rotolok Plug Diverter can be used where Flap Valves are unsuitable due to high pressures or abrasive duties.

Plug Valves are ideal for use in high vacuum conveying systems or where severe leakage or cross contamination cannot be tolerated.

PLUG DIVERTER

The valve consists of a rugged cast body which houses a cast plug between a pair of end covers. The material handled passes from one line through a tunnel within the plug to either of the two outlet lines. The material stream is diverted to the selected outlet by rotating the plug through 150°. Rotation is alternately clockwise and counter-clockwise and is achieved by means of a double acting torque actuator.

To prevent cross contamination of product air to the chamber or dormant leg, sealing is achieved by means of a PTFE spring loaded gland arrangement accessible adjustable and replaceable externally.

The plug and body are precision machines using the latest CNC technology to ensure reliability and sealing efficiency. The valve has no dead-leg, smooth internals ensure no lodgement points, minimising turbulence and therefore ensuring line efficiency is kept to a maximum.

Pipe connections can be supplied as either plain pipe ends or flanged as required.

• FLANGED

• SPIGOTTED

FLANGED

Simple and robust, bolt on flanged ends drilled to match various international standards.



SPIGOTTED

The spigotted ends are connected to pipework with "BLO-LINE" type couplings, facilitating quick access in case of blockages. It also gives flexibility in pipe length accuracies and misalignment variation. Furthermore, the Rotolok spigotted ends are not of cast fixed length, but bolted on and of variable length. This enables the end to be supplied to fit exactly to existing pipework.



• PLUG DIVERTERS •

IMPORTANT FEATURES

- Suitable for all types of Conveying Systems and most materials.
- Compact design.
- Small divert angle - 30°.
- Smooth internals - no lodgement points.
- Minimal air leakage and cross contamination.
- Pneumatic and / or manual versions.
- Rugged design for impact pressure up to 10 Bar (145p.s.i.).
- Simple access and maintenance.
- Aluminum, Cast Iron or Stainless Steel construction

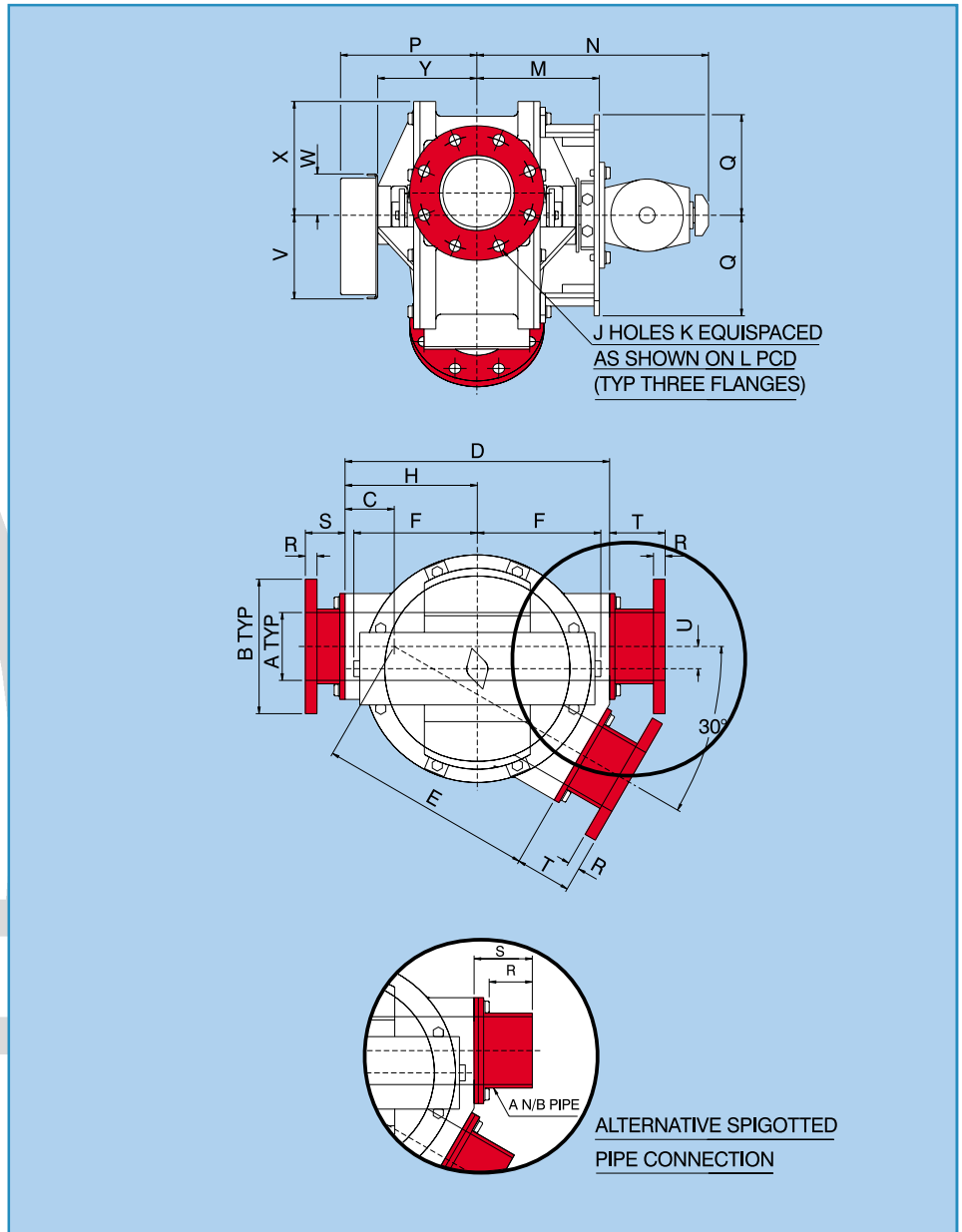
Giving a virtually leakproof, non-contaminating unit ideally suitable for the food and chemical industries.

RANGE

A choice of construction materials include Aluminum, Cast Iron and Stainless Steel in any combination, allowing the majority of applications to be catered for. Standard range size 3" to 10" diameter but we will extend this range should the need arise.

PLANNING-IN DETAIL FOR GENERAL GUIDANCE ONLY

FLANGED AND SPIGOTTED PLUG DIVERTER VALVES



Drillings are Rotolok standards. Variations can be made.

SIZE	COMMON													FLANGED BS TABLE D							SPIGOTTED				
	C	D	E	F	H	M	N	P	Q	U	V	W	X	Y	øA	øB	J	øK	L	R	S	T	A pipe	R	S
3"	31/4	153/8	121/8	91/4	711/16	81/4	167/16	95/16	5 3/16	1 3/16	6 1/4	3 1/8	5 7/8	6 1/2	3 1/16	7 1/2	4	3/4	6	7/8	3 1/8	3 1/8	3" N/B	3 5/16	4 1/4
4"	33/8	175/16	14	91/4	811/16	85/8	163/4	911/16	6 1/2	1 7/16	6 1/4	3 1/8	7 1/8	6 7/8	4	9	8	3/4	7 1/2	7/8	2 3/4	4 1/8	4" N/B	3 3/16	4 5/16
5"	311/16	1911/16	16	91/4	913/16	91/8	171/4	101/8	7 9/16	1 5/8	6 1/4	3 1/8	8 1/2	7 3/8	5	10	8	7/8	8 1/2	7/8	215/16	4 1/8	5" N/B	3 3/16	4 5/16
6"	311/16	215/16	175/8	91/4	1011/16	105/16	181/2	113/8	8 1/16	1 7/8	6 1/4	3 1/8	9 1/16	8 5/8	6 1/16	11	8	7/8	9 1/2	7/8	3	313/16	6" N/B	3 3/16	4 5/16
8"	45/8	263/8	213/4	91/4	133/16	111/2	19	127/16	10	2 5/16	6 1/4	3 1/8	11	9 5/8	8	13 1/2	8	7/8	11 3/4	1 1/8	3 1/8	5 1/8	8" N/B	3 1/8	4 5/16
10"	59/16	311/2	2515/16	91/4	153/4	125/8	203/4	221/2	12	2 3/4	12	12	13	12 5/8	10	16	12	1	14 1/4	1 1/8	3 9/16	5 9/16	10" N/B	3 1/8	4 5/16

Dimensions in inches unless stated
DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE

• OTHER ROTOLOK PRODUCTS •

- Rotary Airlocks
- Conveying Diverters
- Double Dumps
- Blowing Seals
- Fabricated Slides
- Slim Slides
- Rotoslides
- Rotoflex Valves
- Slimflex Valves
- Butterfly Dampers
- Weigh Valves
- Plug Diverters
- Screw Conveyors
- Gravity Diverters
- Rotospeed Switch
- Level Lok
- Pipe Couplings
- Ni Hard Bends
- Special Designs



CONVEYING DIVERTER



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