

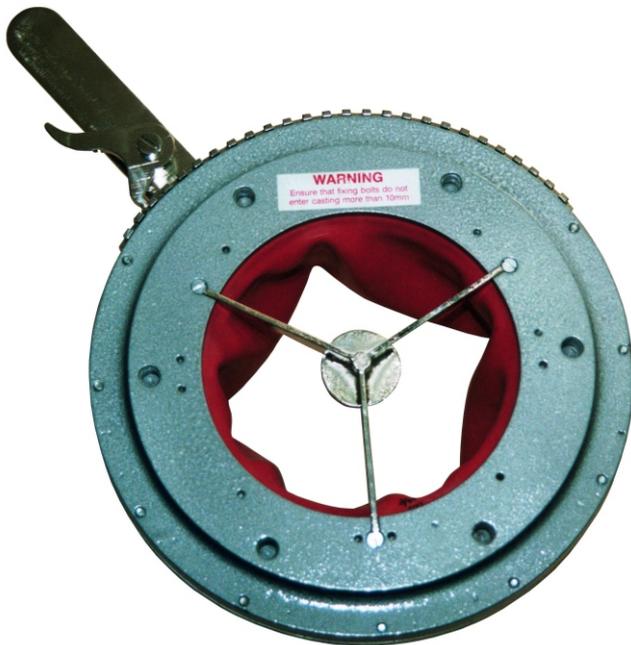
Engineered to last

POSITIVE CLOSING IRIS VALVE

The Dyris valve is our oldest, most proven valve in our range and has been manufactured since 1962.

Unlike other iris valves on the market that twist the sleeve to close it, the Dyris has a set of steel petals behind the sleeve that give a firm, positive closing action and work in a similar way to a camera aperture system.

This results in a longer sleeve life, and the ability, if the sleeve should break, to still control the discharge until it is convenient to change the sleeve.



WEAR RESISTANT MATERIALS

The sleeve is made from Linatex natural rubber, a wear resistant elastomer used extensively in the minerals handling industry to line chutes, hoppers and pumps.

The Dyris valve has been used with ceramic powders, alumina, sand and other abrasive materials.

FOOD GRADE MATERIALS

For food or pharmaceutical applications, Linatex is available in a white, FDA version (Linaplus) with the body fitted with stainless steel rings where it comes into contact with the product.

They have been used to control sugar, flour and additives in food applications and fillers for pharmaceutical applications.

SIMPLE ACTUATION

Unlike iris valves that twist the sleeve, the Dyris handle only has to move through 90° instead of 180°.

We can fit a variety of actuators including pneumatic, hydraulic and electric, with positioning and locking systems for part opening to finely control product flow.

ATEX CERTIFICATION

The Dyris valve is certified for use in a zone 22 dust area. It has been used for decades in applications handling organic powders, light metals and other materials that could be potentially hazardous.

SAFE DISCHARGE OF BIG BAGS

A popular application is to mount the Dyris valve on the outlet of a big bag discharger and lower the bag outlet spout through the valve, using the petals in the valve to clamp it shut.

In this configuration, the centre tripod that the sleeve normally clamps to, is left out.

The sleeve can then be opened safely without spillage and if the bag is to be part emptied, closed off and the spout tied off without spillage.

Manual, pneumatic and interlocked versions are available to do this.



Butterfly



Rotary



Slide



Knifegate



Diverter



Dyris



Ceramic



Specials



Sifter



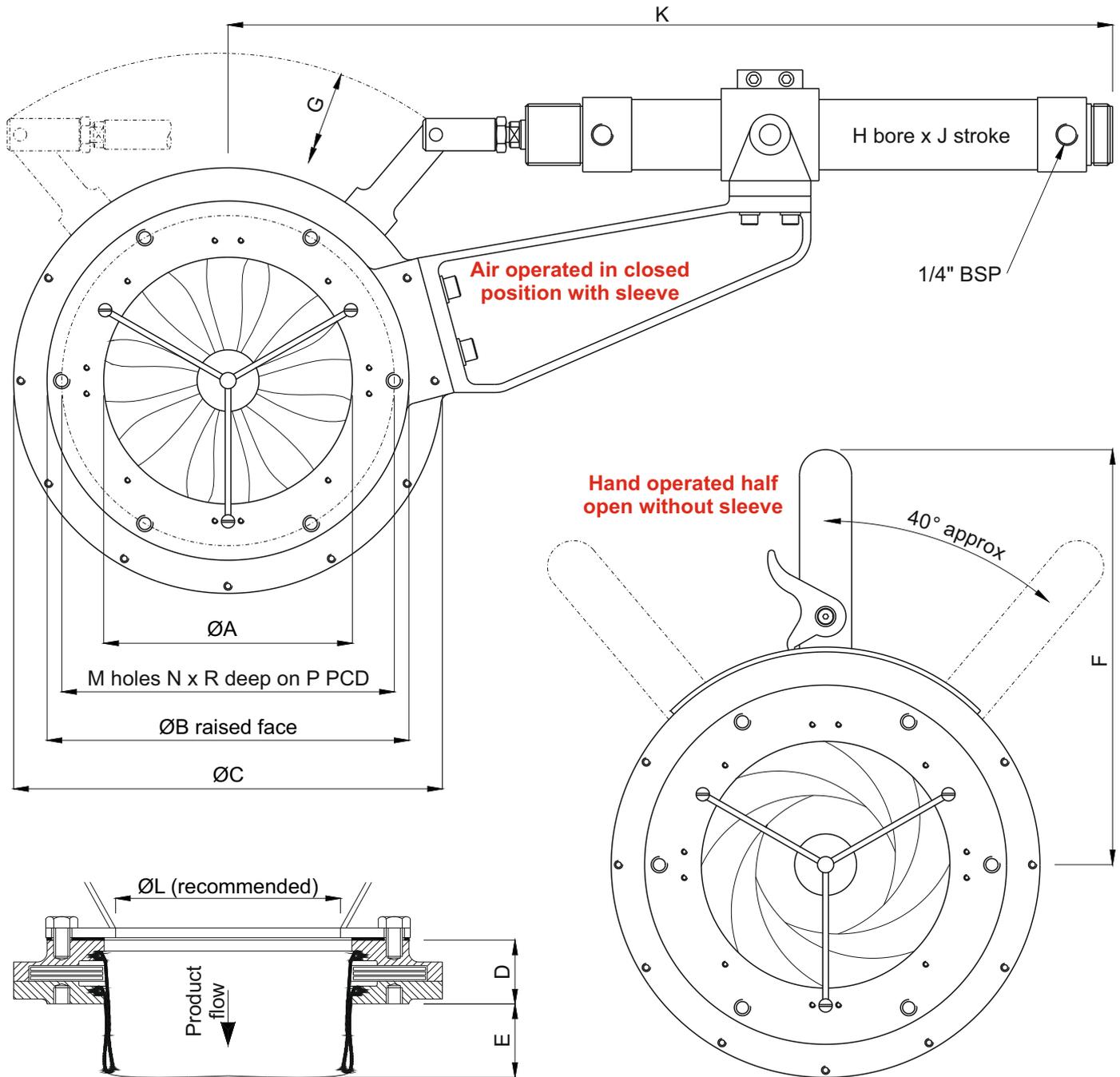
Seals

Midland Industrial Designers Limited

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 Manufacturers of powder handling equipment since 1959

www.mid.uk.com

Engineered to last



Fully open with sleeve

A size	B	C	D	E	F	G	H	J	K	L	M	N	P	R
100	158	180	36	30	200	135	40	150	355	86	6	M6	142	10
150	222	264	40	50	250	185	40	200	465	138	6	M10	204	10
200	274	340	48	75	325	245	40	280	580	180	6	M10	254	10
250	352	432	50	95	365	305	40	350	690	220	8	M10	326	10
300	404	508	50	110	400	345	40	400	770	270	8	M10	378	10
400	540	658	50	190	510	510	50	600	1130	370	16	M12	495	16

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